



Food and Drug Administration  
10903 New Hampshire Avenue  
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Silver Spring, MD 20993-0002

Shenzhen Mindray Bio-Medical Electronics Co., Ltd.  
% Mr. Yang Zhaohui  
Engineer of Technical Regulation  
Mindray Building, Keji 12th Road South  
Hi-tech Industrial Park  
Nanshan, Shenzhen 518057  
P.R. CHINA

March 23, 2017

Re: K170277  
Trade/Device Name: DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic  
Ultrasound System  
Regulation Number: 21 CFR 892.1550  
Regulation Name: Ultrasonic pulsed doppler imaging system  
Regulatory Class: II  
Product Code: IYN, IYO, ITX, LLZ  
Dated: January 16, 2017  
Received: January 30, 2017

Dear Mr. Zhaohui:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration. Please note: CDRH does not evaluate information related to contract liability warranties. We remind you, however, that device labeling must be truthful and not misleading.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); medical device reporting (reporting of medical device-related adverse events) (21 CFR 803); good manufacturing practice requirements as set

forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Division of Industry and Consumer Education at its toll-free number (800) 638 2041 or (301) 796-7100 or at its Internet address

<http://www.fda.gov/MedicalDevices/ResourcesforYou/Industry/default.htm>. Also, please note the regulation entitled, “Misbranding by reference to premarket notification” (21 CFR Part 807.97). For questions regarding the reporting of adverse events under the MDR regulation (21 CFR Part 803), please go to

<http://www.fda.gov/MedicalDevices/Safety/ReportaProblem/default.htm> for the CDRH’s Office of Surveillance and Biometrics/Division of Postmarket Surveillance.

You may obtain other general information on your responsibilities under the Act from the Division of Industry and Consumer Education at its toll-free number (800) 638-2041 or (301) 796-7100 or at its Internet address

<http://www.fda.gov/MedicalDevices/ResourcesforYou/Industry/default.htm>.

Sincerely yours,



For

Robert Ochs, Ph.D.  
Director  
Division of Radiological Health  
Office of In Vitro Diagnostics  
and Radiological Health  
Center for Devices and Radiological Health

Enclosure

## Indications for Use

510(k) Number (if known)

K170277

Device Name

DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System

Indications for Use (Describe)

The DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System is applicable for adults, pregnant women, pediatric patients and neonates. It is intended for use in fetal, abdominal, pediatric, small organ (breast, thyroid, testes), neonatal cephalic, adult cephalic, trans-rectal, trans-vaginal, musculo-skeletal (conventional, superficial), cardiac adult, cardiac pediatric, peripheral vessel, urology and transesophageal (Cardiac) exams.

Type of Use (Select one or both, as applicable)

☒ Prescription Use (Part 21 CFR 801 Subpart D)

☐ Over-The-Counter Use (21 CFR 801 Subpart C)

### CONTINUE ON A SEPARATE PAGE IF NEEDED.

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## Diagnostic Ultrasound Indications For Use Format

System: DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System

Transducer: N/A

510(k) Number:

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

| Clinical Application                                                                               |                                 | Mode of Operation |   |     |     |               |                   |                    |                      |
|----------------------------------------------------------------------------------------------------|---------------------------------|-------------------|---|-----|-----|---------------|-------------------|--------------------|----------------------|
| General (Track 1 Only)                                                                             | Specific (Track 1 & 3)          | B                 | M | PWD | CWD | Color Doppler | Amplitude Doppler | Combined (specify) | Other (specify)      |
| Ophthalmic                                                                                         | Ophthalmic                      |                   |   |     |     |               |                   |                    |                      |
| Fetal Imaging & Other                                                                              | Fetal                           | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2,3, 4,6,7   |
|                                                                                                    | Abdominal                       | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,3, 4,6,7,9 |
|                                                                                                    | Intra-operative (Specify*)      | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4         |
|                                                                                                    | Intra-operative (Neuro)         |                   |   |     |     |               |                   |                    |                      |
|                                                                                                    | Laparoscopic                    |                   |   |     |     |               |                   |                    |                      |
|                                                                                                    | Pediatric                       | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,3, 4,6,7   |
|                                                                                                    | Small Organ (Specify**)         | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4,6,7,8    |
|                                                                                                    | Neonatal Cephalic               | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,6,7      |
|                                                                                                    | Adult Cephalic                  | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,6,7      |
|                                                                                                    | Trans-rectal                    | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2,3, 4,6,7   |
|                                                                                                    | Trans-vaginal                   | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2,3, 4,6,7,8 |
|                                                                                                    | Trans-urethral                  |                   |   |     |     |               |                   |                    |                      |
|                                                                                                    | Trans-esoph. (non-Card.)        |                   |   |     |     |               |                   |                    |                      |
|                                                                                                    | Musculo-skeletal (Conventional) | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2, 4,6,7     |
|                                                                                                    | Musculo-skeletal (Superficial)  | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7     |
|                                                                                                    | Intravascular                   |                   |   |     |     |               |                   |                    |                      |
| Cardiac                                                                                            | Cardiac Adult                   | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,5,6,7,10 |
|                                                                                                    | Cardiac Pediatric               | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,5,6,7    |
|                                                                                                    | Intravascular (Cardiac)         |                   |   |     |     |               |                   |                    |                      |
|                                                                                                    | Trans-esoph. (Cardiac)          | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 5,6          |
|                                                                                                    | Intra-cardiac                   |                   |   |     |     |               |                   |                    |                      |
| Peripheral vessel                                                                                  | Peripheral vessel               | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2, 4,6,7     |
|                                                                                                    | Other (Specify***)              | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7     |
| N=new indication; P=previously cleared by FDA; E=added under Appendix E                            |                                 |                   |   |     |     |               |                   |                    |                      |
| Additional comments: Combined modes--B+M, PW+B, Color + B, Power + B, PW +Color+ B, Power + PW +B. |                                 |                   |   |     |     |               |                   |                    |                      |
| *Intraoperative includes abdominal, thoracic, and vascular.                                        |                                 |                   |   |     |     |               |                   |                    |                      |
| **Small organ-breast, thyroid, testes.                                                             |                                 |                   |   |     |     |               |                   |                    |                      |
| ***Other use includes Urology.                                                                     |                                 |                   |   |     |     |               |                   |                    |                      |
| Note 1: Tissue Harmonic Imaging.                                                                   |                                 |                   |   |     |     |               |                   |                    |                      |
| Note 2: Smart3D                                                                                    |                                 |                   |   |     |     |               |                   |                    |                      |
| Note 3: 4D(Real-time 3D)                                                                           |                                 |                   |   |     |     |               |                   |                    |                      |
| Note 4: iScape                                                                                     |                                 |                   |   |     |     |               |                   |                    |                      |
| Note 5: TDI                                                                                        |                                 |                   |   |     |     |               |                   |                    |                      |
| Note 6: Color M                                                                                    |                                 |                   |   |     |     |               |                   |                    |                      |
| Note 7: Biopsy Guidance                                                                            |                                 |                   |   |     |     |               |                   |                    |                      |
| Note 8: Elastography                                                                               |                                 |                   |   |     |     |               |                   |                    |                      |
| Note 9: Contrast imaging – liver only                                                              |                                 |                   |   |     |     |               |                   |                    |                      |
| Note10: Contrast imaging – LVO only                                                                |                                 |                   |   |     |     |               |                   |                    |                      |

**Concurrence of CDRH, Office of Device Evaluation(ODE)**

System: DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System

Transducer: C5-2E

510(k) Number: \_\_\_\_\_

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

| Clinical Application                                                                          |                                 | Mode of Operation |   |     |     |               |                   |                    |                    |
|-----------------------------------------------------------------------------------------------|---------------------------------|-------------------|---|-----|-----|---------------|-------------------|--------------------|--------------------|
| General (Track 1 Only)                                                                        | Specific (Track 1 & 3)          | B                 | M | PWD | CWD | Color Doppler | Amplitude Doppler | Combined (specify) | Other (specify)    |
| Ophthalmic                                                                                    | Ophthalmic                      |                   |   |     |     |               |                   |                    |                    |
| Fetal Imaging & Other                                                                         | Fetal                           | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7   |
|                                                                                               | Abdominal                       | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7,9 |
|                                                                                               | Intra-operative (Specify*)      |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Intra-operative (Neuro)         |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Laparoscopic                    |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Pediatric                       | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7   |
|                                                                                               | Small Organ (Specify**)         |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Neonatal Cephalic               |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Adult Cephalic                  |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Trans-rectal                    |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Trans-vaginal                   |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Trans-urethral                  |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Trans-esoph. (non-Card.)        |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Musculo-skeletal (Conventional) | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7   |
|                                                                                               | Musculo-skeletal (Superficial)  |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Intravascular                   |                   |   |     |     |               |                   |                    |                    |
| Cardiac                                                                                       | Cardiac Adult                   |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Cardiac Pediatric               |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Intravascular (Cardiac)         |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Trans-esoph. (Cardiac)          |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Intra-cardiac                   |                   |   |     |     |               |                   |                    |                    |
| Peripheral vessel                                                                             | Peripheral vessel               | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7   |
|                                                                                               | Other (Specify***)              |                   |   |     |     |               |                   |                    |                    |
| N=new indication; P=previously cleared by FDA(K150080); E=added under Appendix E              |                                 |                   |   |     |     |               |                   |                    |                    |
| Additional comments: Combined modes--B+M、PW+B、Color + B、Power + B、PW +Color+ B、Power + PW +B. |                                 |                   |   |     |     |               |                   |                    |                    |
| *Intraoperative includes abdominal, thoracic, and vascular.                                   |                                 |                   |   |     |     |               |                   |                    |                    |
| **Small organ-breast, thyroid, testes.                                                        |                                 |                   |   |     |     |               |                   |                    |                    |
| ***Other use includes Urology.                                                                |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 1: Tissue Harmonic Imaging.                                                              |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 2: Smart3D                                                                               |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 3: 4D(Real-time 3D)                                                                      |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 4: iScape                                                                                |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 5: TDI                                                                                   |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 6: Color M                                                                               |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 7: Biopsy Guidance                                                                       |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 8: Elastography                                                                          |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 9: Contrast imaging – liver only                                                         |                                 |                   |   |     |     |               |                   |                    |                    |
| Note10: Contrast imaging – LVO only                                                           |                                 |                   |   |     |     |               |                   |                    |                    |

Concurrence of CDRH, Office of Device Evaluation(ODE)

System: DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System

Transducer: C7-3E

510(k) Number: \_\_\_\_\_

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

| Clinical Application   |                                 | Mode of Operation |   |     |     |               |                   |                    |                    |
|------------------------|---------------------------------|-------------------|---|-----|-----|---------------|-------------------|--------------------|--------------------|
| General (Track 1 Only) | Specific (Track 1 & 3)          | B                 | M | PWD | CWD | Color Doppler | Amplitude Doppler | Combined (specify) | Other (specify)    |
| Ophthalmic             | Ophthalmic                      |                   |   |     |     |               |                   |                    |                    |
| Fetal Imaging & Other  | Fetal                           | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7   |
|                        | Abdominal                       | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7,9 |
|                        | Intra-operative (Specify*)      |                   |   |     |     |               |                   |                    |                    |
|                        | Intra-operative (Neuro)         |                   |   |     |     |               |                   |                    |                    |
|                        | Laparoscopic                    |                   |   |     |     |               |                   |                    |                    |
|                        | Pediatric                       | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7   |
|                        | Small Organ (Specify**)         |                   |   |     |     |               |                   |                    |                    |
|                        | Neonatal Cephalic               |                   |   |     |     |               |                   |                    |                    |
|                        | Adult Cephalic                  |                   |   |     |     |               |                   |                    |                    |
|                        | Trans-rectal                    |                   |   |     |     |               |                   |                    |                    |
|                        | Trans-vaginal                   |                   |   |     |     |               |                   |                    |                    |
|                        | Trans-urethral                  |                   |   |     |     |               |                   |                    |                    |
|                        | Trans-esoph. (non-Card.)        |                   |   |     |     |               |                   |                    |                    |
|                        | Musculo-skeletal (Conventional) |                   |   |     |     |               |                   |                    |                    |
|                        | Musculo-skeletal (Superficial)  |                   |   |     |     |               |                   |                    |                    |
|                        | Intravascular                   |                   |   |     |     |               |                   |                    |                    |
| Cardiac                | Cardiac Adult                   |                   |   |     |     |               |                   |                    |                    |
|                        | Cardiac Pediatric               |                   |   |     |     |               |                   |                    |                    |
|                        | Intravascular (Cardiac)         |                   |   |     |     |               |                   |                    |                    |
|                        | Trans-esoph. (Cardiac)          |                   |   |     |     |               |                   |                    |                    |
|                        | Intra-cardiac                   |                   |   |     |     |               |                   |                    |                    |
| Peripheral vessel      | Peripheral vessel               | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7   |
|                        | Other (Specify***)              |                   |   |     |     |               |                   |                    |                    |

N=new indication; P=previously cleared by FDA(K150080); E=added under Appendix E

Additional comments: Combined modes--B+M、PW+B、Color + B、Power + B、PW +Color+ B、Power + PW +B.

\*Intraoperative includes abdominal, thoracic, and vascular.

\*\*Small organ-breast, thyroid, testes.

\*\*\*Other use includes Urology.

Note 1: Tissue Harmonic Imaging.

Note 2: Smart3D

Note 3: 4D(Real-time 3D)

Note 4: iScape

Note 5: TDI

Note 6: Color M

Note 7: Biopsy Guidance

Note 8: Elastography

Note 9: Contrast imaging – liver only

Note10: Contrast imaging – LVO only

Concurrence of CDRH, Office of Device Evaluation(ODE)

System: DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System

Transducer: L12-3E

510(k) Number: \_\_\_\_\_

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

| Clinical Application   |                                 | Mode of Operation |   |     |     |               |                   |                    |                   |
|------------------------|---------------------------------|-------------------|---|-----|-----|---------------|-------------------|--------------------|-------------------|
| General (Track 1 Only) | Specific (Track 1 & 3)          | B                 | M | PWD | CWD | Color Doppler | Amplitude Doppler | Combined (specify) | Other (specify)   |
| Ophthalmic             | Ophthalmic                      |                   |   |     |     |               |                   |                    |                   |
| Fetal Imaging & Other  | Fetal                           |                   |   |     |     |               |                   |                    |                   |
|                        | Abdominal                       | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7  |
|                        | Intra-operative (Specify*)      |                   |   |     |     |               |                   |                    |                   |
|                        | Intra-operative (Neuro)         |                   |   |     |     |               |                   |                    |                   |
|                        | Laparoscopic                    |                   |   |     |     |               |                   |                    |                   |
|                        | Pediatric                       | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7  |
|                        | Small Organ (Specify**)         | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4,6,7,8 |
|                        | Neonatal Cephalic               | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7  |
|                        | Adult Cephalic                  |                   |   |     |     |               |                   |                    |                   |
|                        | Trans-rectal                    |                   |   |     |     |               |                   |                    |                   |
|                        | Trans-vaginal                   |                   |   |     |     |               |                   |                    |                   |
|                        | Trans-urethral                  |                   |   |     |     |               |                   |                    |                   |
|                        | Trans-esoph. (non-Card.)        |                   |   |     |     |               |                   |                    |                   |
|                        | Musculo-skeletal (Conventional) | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7  |
|                        | Musculo-skeletal (Superficial)  | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7  |
|                        | Intravascular                   |                   |   |     |     |               |                   |                    |                   |
| Cardiac                | Cardiac Adult                   |                   |   |     |     |               |                   |                    |                   |
|                        | Cardiac Pediatric               |                   |   |     |     |               |                   |                    |                   |
|                        | Intravascular (Cardiac)         |                   |   |     |     |               |                   |                    |                   |
|                        | Trans-esoph. (Cardiac)          |                   |   |     |     |               |                   |                    |                   |
|                        | Intra-cardiac                   |                   |   |     |     |               |                   |                    |                   |
| Peripheral vessel      | Peripheral vessel               | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7  |
|                        | Other (Specify***)              |                   |   |     |     |               |                   |                    |                   |

N=new indication; P=previously cleared by FDA(K150080); E=added under Appendix E

Additional comments: Combined modes--B+M、PW+B、Color + B、Power + B、PW +Color+ B、Power + PW +B.

\*Intraoperative includes abdominal, thoracic, and vascular.

\*\*Small organ-breast, thyroid, testes.

\*\*\*Other use includes Urology.

Note 1: Tissue Harmonic Imaging.

Note 2: Smart3D

Note 3: 4D(Real-time 3D)

Note 4: iScape

Note 5: TDI

Note 6: Color M

Note 7: Biopsy Guidance

Note 8: Elastography

Note 9: Contrast imaging – liver only

Note10: Contrast imaging – LVO only

Concurrence of CDRH, Office of Device Evaluation(ODE)

System: DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System

Transducer: L14-6NE

510(k) Number: \_\_\_\_\_

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

| Clinical Application   |                                 | Mode of Operation |   |     |     |               |                   |                    |                   |
|------------------------|---------------------------------|-------------------|---|-----|-----|---------------|-------------------|--------------------|-------------------|
| General (Track 1 Only) | Specific (Track 1 & 3)          | B                 | M | PWD | CWD | Color Doppler | Amplitude Doppler | Combined (specify) | Other (specify)   |
| Ophthalmic             | Ophthalmic                      |                   |   |     |     |               |                   |                    |                   |
| Fetal Imaging & Other  | Fetal                           |                   |   |     |     |               |                   |                    |                   |
|                        | Abdominal                       | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4,6,7   |
|                        | Intra-operative (Specify*)      |                   |   |     |     |               |                   |                    |                   |
|                        | Intra-operative (Neuro)         |                   |   |     |     |               |                   |                    |                   |
|                        | Laparoscopic                    |                   |   |     |     |               |                   |                    |                   |
|                        | Pediatric                       | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4,6,7   |
|                        | Small Organ (Specify**)         | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4,6,7,8 |
|                        | Neonatal Cephalic               | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4,6,7   |
|                        | Adult Cephalic                  |                   |   |     |     |               |                   |                    |                   |
|                        | Trans-rectal                    |                   |   |     |     |               |                   |                    |                   |
|                        | Trans-vaginal                   |                   |   |     |     |               |                   |                    |                   |
|                        | Trans-urethral                  |                   |   |     |     |               |                   |                    |                   |
|                        | Trans-esoph. (non-Card.)        |                   |   |     |     |               |                   |                    |                   |
|                        | Musculo-skeletal (Conventional) | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4,6,7   |
|                        | Musculo-skeletal (Superficial)  | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4,6,7   |
|                        | Intravascular                   |                   |   |     |     |               |                   |                    |                   |
| Cardiac                | Cardiac Adult                   |                   |   |     |     |               |                   |                    |                   |
|                        | Cardiac Pediatric               |                   |   |     |     |               |                   |                    |                   |
|                        | Intravascular (Cardiac)         |                   |   |     |     |               |                   |                    |                   |
|                        | Trans-esoph. (Cardiac)          |                   |   |     |     |               |                   |                    |                   |
|                        | Intra-cardiac                   |                   |   |     |     |               |                   |                    |                   |
| Peripheral vessel      | Peripheral vessel               | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4,6,7   |
|                        | Other (Specify***)              |                   |   |     |     |               |                   |                    |                   |

N=new indication; P=previously cleared by FDA(K150080); E=added under Appendix E

Additional comments: Combined modes--B+M、PW+B、Color + B、Power + B、PW +Color+ B、Power + PW +B.

\*Intraoperative includes abdominal, thoracic, and vascular.

\*\*Small organ-breast, thyroid, testes.

\*\*\*Other use includes Urology.

Note 1: Tissue Harmonic Imaging.

Note 2: Smart3D

Note 3: 4D(Real-time 3D)

Note 4: iScape

Note 5: TDI

Note 6: Color M

Note 7: Biopsy Guidance

Note 8: Elastography

Note 9: Contrast imaging – liver only

Note10: Contrast imaging – LVO only

Concurrence of CDRH, Office of Device Evaluation(ODE)

System: DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System

Transducer: L14-6WE

510(k) Number: \_\_\_\_\_

Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

| Clinical Application   |                                 | Mode of Operation |   |     |     |               |                   |                    |                   |
|------------------------|---------------------------------|-------------------|---|-----|-----|---------------|-------------------|--------------------|-------------------|
| General (Track 1 Only) | Specific (Track 1 & 3)          | B                 | M | PWD | CWD | Color Doppler | Amplitude Doppler | Combined (specify) | Other (specify)   |
| Ophthalmic             | Ophthalmic                      |                   |   |     |     |               |                   |                    |                   |
| Fetal Imaging & Other  | Fetal                           |                   |   |     |     |               |                   |                    |                   |
|                        | Abdominal                       | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4,6,7   |
|                        | Intra-operative (Specify*)      |                   |   |     |     |               |                   |                    |                   |
|                        | Intra-operative (Neuro)         |                   |   |     |     |               |                   |                    |                   |
|                        | Laparoscopic                    |                   |   |     |     |               |                   |                    |                   |
|                        | Pediatric                       | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4,6,7   |
|                        | Small Organ (Specify**)         | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4,6,7,8 |
|                        | Neonatal Cephalic               | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4,6,7   |
|                        | Adult Cephalic                  |                   |   |     |     |               |                   |                    |                   |
|                        | Trans-rectal                    |                   |   |     |     |               |                   |                    |                   |
|                        | Trans-vaginal                   |                   |   |     |     |               |                   |                    |                   |
|                        | Trans-urethral                  |                   |   |     |     |               |                   |                    |                   |
|                        | Trans-esoph. (non-Card.)        |                   |   |     |     |               |                   |                    |                   |
|                        | Musculo-skeletal (Conventional) | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4,6,7   |
|                        | Musculo-skeletal (Superficial)  | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4,6,7   |
|                        | Intravascular                   |                   |   |     |     |               |                   |                    |                   |
| Cardiac                | Cardiac Adult                   |                   |   |     |     |               |                   |                    |                   |
|                        | Cardiac Pediatric               |                   |   |     |     |               |                   |                    |                   |
|                        | Intravascular (Cardiac)         |                   |   |     |     |               |                   |                    |                   |
|                        | Trans-esoph. (Cardiac)          |                   |   |     |     |               |                   |                    |                   |
|                        | Intra-cardiac                   |                   |   |     |     |               |                   |                    |                   |
| Peripheral vessel      | Peripheral vessel               | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4,6,7   |
|                        | Other (Specify***)              |                   |   |     |     |               |                   |                    |                   |

N=new indication; P=previously cleared by FDA(K150080); E=added under Appendix E

Additional comments: Combined modes--B+M, PW+B, Color + B, Power + B, PW +Color+ B, Power + PW +B.

\*Intraoperative includes abdominal, thoracic, and vascular.

\*\*Small organ-breast, thyroid, testes.

\*\*\*Other use includes Urology.

Note 1: Tissue Harmonic Imaging.

Note 2: Smart3D

Note 3: 4D(Real-time 3D)

Note 4: iScape

Note 5: TDI

Note 6: Color M

Note 7: Biopsy Guidance

Note 8: Elastography

Note 9: Contrast imaging – liver only

Note10: Contrast imaging – LVO only

Concurrence of CDRH, Office of Device Evaluation(ODE)

System: DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System  
 Transducer: P4-2E  
 510(k) Number: \_\_\_\_\_  
 Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

| Clinical Application                                                                          |                                 | Mode of Operation |   |     |     |               |                   |                    |                   |
|-----------------------------------------------------------------------------------------------|---------------------------------|-------------------|---|-----|-----|---------------|-------------------|--------------------|-------------------|
| General (Track 1 Only)                                                                        | Specific (Track 1 & 3)          | B                 | M | PWD | CWD | Color Doppler | Amplitude Doppler | Combined (specify) | Other (specify)   |
| Ophthalmic                                                                                    | Ophthalmic                      |                   |   |     |     |               |                   |                    |                   |
| Fetal Imaging & Other                                                                         | Fetal                           |                   |   |     |     |               |                   |                    |                   |
|                                                                                               | Abdominal                       | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,6,7   |
|                                                                                               | Intra-operative (Specify*)      |                   |   |     |     |               |                   |                    |                   |
|                                                                                               | Intra-operative (Neuro)         |                   |   |     |     |               |                   |                    |                   |
|                                                                                               | Laparoscopic                    |                   |   |     |     |               |                   |                    |                   |
|                                                                                               | Pediatric                       | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,6,7   |
|                                                                                               | Small Organ (Specify**)         |                   |   |     |     |               |                   |                    |                   |
|                                                                                               | Neonatal Cephalic               | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,6,7   |
|                                                                                               | Adult Cephalic                  | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,6,7   |
|                                                                                               | Trans-rectal                    |                   |   |     |     |               |                   |                    |                   |
|                                                                                               | Trans-vaginal                   |                   |   |     |     |               |                   |                    |                   |
|                                                                                               | Trans-urethral                  |                   |   |     |     |               |                   |                    |                   |
|                                                                                               | Trans-esoph. (non-Card.)        |                   |   |     |     |               |                   |                    |                   |
|                                                                                               | Musculo-skeletal (Conventional) |                   |   |     |     |               |                   |                    |                   |
|                                                                                               | Musculo-skeletal (Superficial)  |                   |   |     |     |               |                   |                    |                   |
|                                                                                               | Intravascular                   |                   |   |     |     |               |                   |                    |                   |
| Cardiac                                                                                       | Cardiac Adult                   | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,5,6,7 |
|                                                                                               | Cardiac Pediatric               | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,5,6,7 |
|                                                                                               | Intravascular (Cardiac)         |                   |   |     |     |               |                   |                    |                   |
|                                                                                               | Trans-esoph. (Cardiac)          |                   |   |     |     |               |                   |                    |                   |
|                                                                                               | Intra-cardiac                   |                   |   |     |     |               |                   |                    |                   |
| Peripheral vessel                                                                             | Peripheral vessel               |                   |   |     |     |               |                   |                    |                   |
|                                                                                               | Other (Specify***)              |                   |   |     |     |               |                   |                    |                   |
| N=new indication; P=previously cleared by FDA(K150080); E=added under Appendix E              |                                 |                   |   |     |     |               |                   |                    |                   |
| Additional comments: Combined modes--B+M、PW+B、Color + B、Power + B、PW +Color+ B、Power + PW +B. |                                 |                   |   |     |     |               |                   |                    |                   |
| *Intraoperative includes abdominal, thoracic, and vascular.                                   |                                 |                   |   |     |     |               |                   |                    |                   |
| **Small organ-breast, thyroid, testes.                                                        |                                 |                   |   |     |     |               |                   |                    |                   |
| ***Other use includes Urology.                                                                |                                 |                   |   |     |     |               |                   |                    |                   |
| Note 1: Tissue Harmonic Imaging.                                                              |                                 |                   |   |     |     |               |                   |                    |                   |
| Note 2: Smart3D                                                                               |                                 |                   |   |     |     |               |                   |                    |                   |
| Note 3: 4D(Real-time 3D)                                                                      |                                 |                   |   |     |     |               |                   |                    |                   |
| Note 4: iScape                                                                                |                                 |                   |   |     |     |               |                   |                    |                   |
| Note 5: TDI                                                                                   |                                 |                   |   |     |     |               |                   |                    |                   |
| Note 6: Color M                                                                               |                                 |                   |   |     |     |               |                   |                    |                   |
| Note 7: Biopsy Guidance                                                                       |                                 |                   |   |     |     |               |                   |                    |                   |
| Note 8: Elastography                                                                          |                                 |                   |   |     |     |               |                   |                    |                   |
| Note 9: Contrast imaging – liver only                                                         |                                 |                   |   |     |     |               |                   |                    |                   |
| Note10: Contrast imaging – LVO only                                                           |                                 |                   |   |     |     |               |                   |                    |                   |

Concurrence of CDRH, Office of Device Evaluation(ODE)

System: DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System  
Transducer: D6-2E  
510(k) Number: \_\_\_\_\_  
Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

| Clinical Application   |                                 | Mode of Operation |   |     |     |               |                   |                    |                 |
|------------------------|---------------------------------|-------------------|---|-----|-----|---------------|-------------------|--------------------|-----------------|
| General (Track 1 Only) | Specific (Track 1 & 3)          | B                 | M | PWD | CWD | Color Doppler | Amplitude Doppler | Combined (specify) | Other (specify) |
| Ophthalmic             | Ophthalmic                      |                   |   |     |     |               |                   |                    |                 |
| Fetal Imaging & Other  | Fetal                           | P                 | P | P   |     | P             | P                 | P                  | Note1,3, 4,6,7  |
|                        | Abdominal                       | P                 | P | P   |     | P             | P                 | P                  | Note1,3, 4,6,7  |
|                        | Intra-operative (Specify*)      |                   |   |     |     |               |                   |                    |                 |
|                        | Intra-operative (Neuro)         |                   |   |     |     |               |                   |                    |                 |
|                        | Laparoscopic                    |                   |   |     |     |               |                   |                    |                 |
|                        | Pediatric                       | P                 | P | P   |     | P             | P                 | P                  | Note1,3, 4,6,7  |
|                        | Small Organ (Specify**)         |                   |   |     |     |               |                   |                    |                 |
|                        | Neonatal Cephalic               |                   |   |     |     |               |                   |                    |                 |
|                        | Adult Cephalic                  |                   |   |     |     |               |                   |                    |                 |
|                        | Trans-rectal                    |                   |   |     |     |               |                   |                    |                 |
|                        | Trans-vaginal                   |                   |   |     |     |               |                   |                    |                 |
|                        | Trans-urethral                  |                   |   |     |     |               |                   |                    |                 |
|                        | Trans-esoph. (non-Card.)        |                   |   |     |     |               |                   |                    |                 |
|                        | Musculo-skeletal (Conventional) |                   |   |     |     |               |                   |                    |                 |
|                        | Musculo-skeletal (Superficial)  |                   |   |     |     |               |                   |                    |                 |
|                        | Intravascular                   |                   |   |     |     |               |                   |                    |                 |
| Cardiac                | Cardiac Adult                   |                   |   |     |     |               |                   |                    |                 |
|                        | Cardiac Pediatric               |                   |   |     |     |               |                   |                    |                 |
|                        | Intravascular (Cardiac)         |                   |   |     |     |               |                   |                    |                 |
|                        | Trans-esoph. (Cardiac)          |                   |   |     |     |               |                   |                    |                 |
|                        | Intra-cardiac                   |                   |   |     |     |               |                   |                    |                 |
| Peripheral vessel      | Peripheral vessel               |                   |   |     |     |               |                   |                    |                 |
|                        | Other (Specify***)              |                   |   |     |     |               |                   |                    |                 |

N=new indication; P=previously cleared by FDA(K150080); E=added under Appendix E

Additional comments: Combined modes--B+M、PW+B、Color + B、Power + B、PW +Color+ B、Power + PW +B.

\*Intraoperative includes abdominal, thoracic, and vascular.

\*\*Small organ-breast, thyroid, testes.

\*\*\*Other use includes Urology.

Note 1: Tissue Harmonic Imaging.

Note 2: Smart3D

Note 3: 4D(Real-time 3D)

Note 4: iScape

Note5: TDI

Note 6: Color M

Note 7: Biopsy Guidance

Note 8: Elastography

Note 9: Contrast imaging – liver only

Note10: Contrast imaging – LVO only

Concurrence of CDRH, Office of Device Evaluation(ODE)

System: DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System  
 Transducer: D8-3E  
 510(k) Number: \_\_\_\_\_  
 Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

| Clinical Application                                                                          |                                 | Mode of Operation |   |     |     |               |                   |                    |                 |
|-----------------------------------------------------------------------------------------------|---------------------------------|-------------------|---|-----|-----|---------------|-------------------|--------------------|-----------------|
| General (Track 1 Only)                                                                        | Specific (Track 1 & 3)          | B                 | M | PWD | CWD | Color Doppler | Amplitude Doppler | Combined (specify) | Other (specify) |
| Ophthalmic                                                                                    | Ophthalmic                      |                   |   |     |     |               |                   |                    |                 |
| Fetal Imaging & Other                                                                         | Fetal                           | P                 | P | P   |     | P             | P                 | P                  | Note1, 3, 4,6   |
|                                                                                               | Abdominal                       | P                 | P | P   |     | P             | P                 | P                  | Note1, 3, 4,6   |
|                                                                                               | Intra-operative (Specify*)      |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Intra-operative (Neuro)         |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Laparoscopic                    |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Pediatric                       | P                 | P | P   |     | P             | P                 | P                  | Note1,3, 4,6    |
|                                                                                               | Small Organ (Specify**)         |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Neonatal Cephalic               |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Adult Cephalic                  |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-rectal                    |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-vaginal                   |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-urethral                  |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-esoph. (non-Card.)        |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Musculo-skeletal (Conventional) |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Musculo-skeletal (Superficial)  |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Intravascular                   |                   |   |     |     |               |                   |                    |                 |
| Cardiac                                                                                       | Cardiac Adult                   |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Cardiac Pediatric               |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Intravascular (Cardiac)         |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-esoph. (Cardiac)          |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Intra-cardiac                   |                   |   |     |     |               |                   |                    |                 |
| Peripheral vessel                                                                             | Peripheral vessel               |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Other (Specify***)              |                   |   |     |     |               |                   |                    |                 |
| N=new indication; P=previously cleared by FDA(K150080); E=added under Appendix E              |                                 |                   |   |     |     |               |                   |                    |                 |
| Additional comments: Combined modes--B+M、PW+B、Color + B、Power + B、PW +Color+ B、Power + PW +B. |                                 |                   |   |     |     |               |                   |                    |                 |
| *Intraoperative includes abdominal, thoracic, and vascular.                                   |                                 |                   |   |     |     |               |                   |                    |                 |
| **Small organ-breast, thyroid, testes.                                                        |                                 |                   |   |     |     |               |                   |                    |                 |
| ***Other use includes Urology.                                                                |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 1: Tissue Harmonic Imaging.                                                              |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 2: Smart3D                                                                               |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 3: 4D(Real-time 3D)                                                                      |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 4: iScape                                                                                |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 5: TDI                                                                                   |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 6: Color M                                                                               |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 7: Biopsy Guidance                                                                       |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 8: Elastography                                                                          |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 9: Contrast imaging – liver only                                                         |                                 |                   |   |     |     |               |                   |                    |                 |
| Note10: Contrast imaging – LVO only                                                           |                                 |                   |   |     |     |               |                   |                    |                 |

Concurrence of CDRH, Office of Device Evaluation(ODE)

System: DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System  
 Transducer: V11-3E  
 510(k) Number: \_\_\_\_\_  
 Intended Use: Diagnostic ultrasound imaging or fluid flow analysis of the human body as follows:

| Clinical Application                                                                          |                                 | Mode of Operation |   |     |     |               |                   |                    |                    |
|-----------------------------------------------------------------------------------------------|---------------------------------|-------------------|---|-----|-----|---------------|-------------------|--------------------|--------------------|
| General (Track 1 Only)                                                                        | Specific (Track 1 & 3)          | B                 | M | PWD | CWD | Color Doppler | Amplitude Doppler | Combined (specify) | Other (specify)    |
| Ophthalmic                                                                                    | Ophthalmic                      |                   |   |     |     |               |                   |                    |                    |
| Fetal Imaging & Other                                                                         | Fetal                           | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7   |
|                                                                                               | Abdominal                       |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Intra-operative (Specify*)      |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Intra-operative (Neuro)         |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Laparoscopic                    |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Pediatric                       |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Small Organ (Specify**)         |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Neonatal Cephalic               |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Adult Cephalic                  |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Trans-rectal                    | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7   |
|                                                                                               | Trans-vaginal                   | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7,8 |
|                                                                                               | Trans-urethral                  |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Trans-esoph. (non-Card.)        |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Musculo-skeletal (Conventional) |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Musculo-skeletal (Superficial)  |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Intravascular                   |                   |   |     |     |               |                   |                    |                    |
| Cardiac                                                                                       | Cardiac Adult                   |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Cardiac Pediatric               |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Intravascular (Cardiac)         |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Trans-esoph. (Cardiac)          |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Intra-cardiac                   |                   |   |     |     |               |                   |                    |                    |
| Peripheral vessel                                                                             | Peripheral vessel               |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Other (Specify***)              | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7   |
| N=new indication; P=previously cleared by FDA(K150080); E=added under Appendix E              |                                 |                   |   |     |     |               |                   |                    |                    |
| Additional comments: Combined modes--B+M、PW+B、Color + B、Power + B、PW +Color+ B、Power + PW +B. |                                 |                   |   |     |     |               |                   |                    |                    |
| *Intraoperative includes abdominal, thoracic, and vascular.                                   |                                 |                   |   |     |     |               |                   |                    |                    |
| **Small organ-breast, thyroid, testes.                                                        |                                 |                   |   |     |     |               |                   |                    |                    |
| ***Other use includes Urology.                                                                |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 1: Tissue Harmonic Imaging.                                                              |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 2: Smart3D                                                                               |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 3: 4D(Real-time 3D)                                                                      |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 4: iScape                                                                                |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 5: TDI                                                                                   |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 6: Color M                                                                               |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 7: Biopsy Guidance                                                                       |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 8: Elastography                                                                          |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 9: Contrast imaging – liver only                                                         |                                 |                   |   |     |     |               |                   |                    |                    |
| Note10: Contrast imaging – LVO only                                                           |                                 |                   |   |     |     |               |                   |                    |                    |

Concurrence of CDRH, Office of Device Evaluation(ODE)

System: DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System

Transducer: C11-3E

510(k) Number: \_\_\_\_\_

Intended Use: Diagnostic Ultrasound imaging or fluid flow analysis of the human body as follows:

| Clinical Application                                                                          |                                 | Mode of Operation |   |     |     |               |                   |                    |                  |
|-----------------------------------------------------------------------------------------------|---------------------------------|-------------------|---|-----|-----|---------------|-------------------|--------------------|------------------|
| General (Track 1 Only)                                                                        | Specific (Track 1 & 3)          | B                 | M | PWD | CWD | Color Doppler | Amplitude Doppler | Combined (specify) | Other (specify)  |
| Ophthalmic                                                                                    | Ophthalmic                      |                   |   |     |     |               |                   |                    |                  |
| Fetal Imaging & Other                                                                         | Fetal                           |                   |   |     |     |               |                   |                    |                  |
|                                                                                               | Abdominal                       | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7 |
|                                                                                               | Intra-operative (Specify*)      |                   |   |     |     |               |                   |                    |                  |
|                                                                                               | Intra-operative (Neuro)         |                   |   |     |     |               |                   |                    |                  |
|                                                                                               | Laparoscopic                    |                   |   |     |     |               |                   |                    |                  |
|                                                                                               | Pediatric                       | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7 |
|                                                                                               | Small Organ (Specify**)         |                   |   |     |     |               |                   |                    |                  |
|                                                                                               | Neonatal Cephalic               | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7 |
|                                                                                               | Adult Cephalic                  |                   |   |     |     |               |                   |                    |                  |
|                                                                                               | Trans-rectal                    |                   |   |     |     |               |                   |                    |                  |
|                                                                                               | Trans-vaginal                   |                   |   |     |     |               |                   |                    |                  |
|                                                                                               | Trans-urethral                  |                   |   |     |     |               |                   |                    |                  |
|                                                                                               | Trans-esoph. (non-Card.)        |                   |   |     |     |               |                   |                    |                  |
|                                                                                               | Musculo-skeletal (Conventional) |                   |   |     |     |               |                   |                    |                  |
|                                                                                               | Musculo-skeletal (Superficial)  |                   |   |     |     |               |                   |                    |                  |
|                                                                                               | Intravascular                   |                   |   |     |     |               |                   |                    |                  |
| Cardiac                                                                                       | Cardiac Adult                   | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7 |
|                                                                                               | Cardiac Pediatric               | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7 |
|                                                                                               | Intravascular (Cardiac)         |                   |   |     |     |               |                   |                    |                  |
|                                                                                               | Trans-esoph. (Cardiac)          |                   |   |     |     |               |                   |                    |                  |
|                                                                                               | Intra-cardiac                   |                   |   |     |     |               |                   |                    |                  |
| Peripheral vessel                                                                             | Peripheral vessel               | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7 |
|                                                                                               | Other (Specify***)              |                   |   |     |     |               |                   |                    |                  |
| N=new indication; P=previously cleared by FDA(K150080); E=added under Appendix E              |                                 |                   |   |     |     |               |                   |                    |                  |
| Additional comments: Combined modes--B+M、PW+B、Color + B、Power + B、PW +Color+ B、Power + PW +B. |                                 |                   |   |     |     |               |                   |                    |                  |
| *Intraoperative includes abdominal, thoracic, and vascular.                                   |                                 |                   |   |     |     |               |                   |                    |                  |
| **Small organ-breast, thyroid, testes.                                                        |                                 |                   |   |     |     |               |                   |                    |                  |
| ***Other use includes Urology.                                                                |                                 |                   |   |     |     |               |                   |                    |                  |
| Note 1: Tissue Harmonic Imaging.                                                              |                                 |                   |   |     |     |               |                   |                    |                  |
| Note 2: Smart3D                                                                               |                                 |                   |   |     |     |               |                   |                    |                  |
| Note 3: 4D(Real-time 3D)                                                                      |                                 |                   |   |     |     |               |                   |                    |                  |
| Note 4: iScape                                                                                |                                 |                   |   |     |     |               |                   |                    |                  |
| Note 5: TDI                                                                                   |                                 |                   |   |     |     |               |                   |                    |                  |
| Note 6: Color M                                                                               |                                 |                   |   |     |     |               |                   |                    |                  |
| Note 7: Biopsy Guidance                                                                       |                                 |                   |   |     |     |               |                   |                    |                  |
| Note 8: Elastography                                                                          |                                 |                   |   |     |     |               |                   |                    |                  |
| Note 9: Contrast imaging – liver only                                                         |                                 |                   |   |     |     |               |                   |                    |                  |
| Note10: Contrast imaging – LVO only                                                           |                                 |                   |   |     |     |               |                   |                    |                  |

Concurrence of CDRH, Office of Device Evaluation(ODE)

System: DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System

Transducer: DE10-3E

510(k) Number: \_\_\_\_\_

Intended Use: Diagnostic Ultrasound imaging or fluid flow analysis of the human body as follows:

| Clinical Application   |                                 | Mode of Operation |   |     |     |               |                   |                    |                 |
|------------------------|---------------------------------|-------------------|---|-----|-----|---------------|-------------------|--------------------|-----------------|
| General (Track 1 Only) | Specific (Track 1 & 3)          | B                 | M | PWD | CWD | Color Doppler | Amplitude Doppler | Combined (specify) | Other (specify) |
| Ophthalmic             | Ophthalmic                      |                   |   |     |     |               |                   |                    |                 |
| Fetal Imaging & Other  | Fetal                           | P                 | P | P   |     | P             | P                 | P                  | Note 1, 3,4,6,7 |
|                        | Abdominal                       |                   |   |     |     |               |                   |                    |                 |
|                        | Intra-operative (Specify*)      |                   |   |     |     |               |                   |                    |                 |
|                        | Intra-operative (Neuro)         |                   |   |     |     |               |                   |                    |                 |
|                        | Laparoscopic                    |                   |   |     |     |               |                   |                    |                 |
|                        | Pediatric                       |                   |   |     |     |               |                   |                    |                 |
|                        | Small Organ (Specify**)         |                   |   |     |     |               |                   |                    |                 |
|                        | Neonatal Cephalic               |                   |   |     |     |               |                   |                    |                 |
|                        | Adult Cephalic                  |                   |   |     |     |               |                   |                    |                 |
|                        | Trans-rectal                    | P                 | P | P   |     | P             | P                 | P                  | Note 1, 3,4,6,7 |
|                        | Trans-vaginal                   | P                 | P | P   |     | P             | P                 | P                  | Note 1, 3,4,6,7 |
|                        | Trans-urethral                  |                   |   |     |     |               |                   |                    |                 |
|                        | Trans-esoph. (non-Card.)        |                   |   |     |     |               |                   |                    |                 |
|                        | Musculo-skeletal (Conventional) |                   |   |     |     |               |                   |                    |                 |
|                        | Musculo-skeletal (Superficial)  |                   |   |     |     |               |                   |                    |                 |
|                        | Intravascular                   |                   |   |     |     |               |                   |                    |                 |
| Cardiac                | Cardiac Adult                   |                   |   |     |     |               |                   |                    |                 |
|                        | Cardiac Pediatric               |                   |   |     |     |               |                   |                    |                 |
|                        | Intravascular (Cardiac)         |                   |   |     |     |               |                   |                    |                 |
|                        | Trans-esoph. (Cardiac)          |                   |   |     |     |               |                   |                    |                 |
|                        | Intra-cardiac                   |                   |   |     |     |               |                   |                    |                 |
| Peripheral vessel      | Peripheral vessel               |                   |   |     |     |               |                   |                    |                 |
|                        | Other (Specify***)              |                   |   |     |     |               |                   |                    |                 |

N=new indication; P=previously cleared by FDA(K150080); E=added under Appendix E

Additional comments: Combined modes--B+M、PW+B、Color + B、Power + B、PW +Color+ B、Power + PW +B.

\*Intraoperative includes abdominal, thoracic, and vascular.

\*\*Small organ-breast, thyroid, testes.

\*\*\*Other use includes Urology.

Note 1: Tissue Harmonic Imaging.

Note 2: Smart3D

Note 3: 4D(Real-time 3D)

Note 4: iScape

Note 5: TDI

Note 6: Color M

Note 7: Biopsy Guidance

Note 8: Elastography

Note 9: Contrast imaging – liver only

Note10: Contrast imaging – LVO only

Concurrence of CDRH, Office of Device Evaluation(ODE)

System: DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System

Transducer: V11-3BE

510(k) Number: \_\_\_\_\_

Intended Use: Diagnostic Ultrasound imaging or fluid flow analysis of the human body as follows:

| Clinical Application                                                                          |                                 | Mode of Operation |   |     |     |               |                   |                    |                    |
|-----------------------------------------------------------------------------------------------|---------------------------------|-------------------|---|-----|-----|---------------|-------------------|--------------------|--------------------|
| General (Track 1 Only)                                                                        | Specific (Track 1 & 3)          | B                 | M | PWD | CWD | Color Doppler | Amplitude Doppler | Combined (specify) | Other (specify)    |
| Ophthalmic                                                                                    | Ophthalmic                      |                   |   |     |     |               |                   |                    |                    |
| Fetal Imaging & Other                                                                         | Fetal                           | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7   |
|                                                                                               | Abdominal                       |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Intra-operative (Specify*)      |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Intra-operative (Neuro)         |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Laparoscopic                    |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Pediatric                       |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Small Organ (Specify**)         |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Neonatal Cephalic               |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Adult Cephalic                  |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Trans-rectal                    | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7   |
|                                                                                               | Trans-vaginal                   | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7,8 |
|                                                                                               | Trans-urethral                  |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Trans-esoph. (non-Card.)        |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Musculo-skeletal (Conventional) |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Musculo-skeletal (Superficial)  |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Intravascular                   |                   |   |     |     |               |                   |                    |                    |
| Cardiac                                                                                       | Cardiac Adult                   |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Cardiac Pediatric               |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Intravascular (Cardiac)         |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Trans-esoph. (Cardiac)          |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Intra-cardiac                   |                   |   |     |     |               |                   |                    |                    |
| Peripheral vessel                                                                             | Peripheral vessel               |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Other (Specify***)              | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7   |
| N=new indication; P=previously cleared by FDA(K150080); E=added under Appendix E              |                                 |                   |   |     |     |               |                   |                    |                    |
| Additional comments: Combined modes--B+M、PW+B、Color + B、Power + B、PW +Color+ B、Power + PW +B. |                                 |                   |   |     |     |               |                   |                    |                    |
| *Intraoperative includes abdominal, thoracic, and vascular.                                   |                                 |                   |   |     |     |               |                   |                    |                    |
| **Small organ-breast, thyroid, testes.                                                        |                                 |                   |   |     |     |               |                   |                    |                    |
| ***Other use includes Urology.                                                                |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 1: Tissue Harmonic Imaging.                                                              |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 2: Smart3D                                                                               |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 3: 4D(Real-time 3D)                                                                      |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 4: iScape                                                                                |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 5: TDI                                                                                   |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 6: Color M                                                                               |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 7: Biopsy Guidance                                                                       |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 8: Elastography                                                                          |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 9: Contrast imaging – liver only                                                         |                                 |                   |   |     |     |               |                   |                    |                    |
| Note10: Contrast imaging – LVO only                                                           |                                 |                   |   |     |     |               |                   |                    |                    |

Concurrence of CDRH, Office of Device Evaluation(ODE)

System: DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System

Transducer: V11-3WE

510(k) Number: \_\_\_\_\_

Intended Use: Diagnostic Ultrasound imaging or fluid flow analysis of the human body as follows:

| Clinical Application                                                                          |                                 | Mode of Operation |   |     |     |               |                   |                    |                    |
|-----------------------------------------------------------------------------------------------|---------------------------------|-------------------|---|-----|-----|---------------|-------------------|--------------------|--------------------|
| General (Track 1 Only)                                                                        | Specific (Track 1 & 3)          | B                 | M | PWD | CWD | Color Doppler | Amplitude Doppler | Combined (specify) | Other (specify)    |
| Ophthalmic                                                                                    | Ophthalmic                      |                   |   |     |     |               |                   |                    |                    |
| Fetal Imaging & Other                                                                         | Fetal                           | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7   |
|                                                                                               | Abdominal                       |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Intra-operative (Specify*)      |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Intra-operative (Neuro)         |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Laparoscopic                    |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Pediatric                       |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Small Organ (Specify**)         |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Neonatal Cephalic               |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Adult Cephalic                  |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Trans-rectal                    | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7   |
|                                                                                               | Trans-vaginal                   | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7,8 |
|                                                                                               | Trans-urethral                  |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Trans-esoph. (non-Card.)        |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Musculo-skeletal (Conventional) |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Musculo-skeletal (Superficial)  |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Intravascular                   |                   |   |     |     |               |                   |                    |                    |
| Cardiac                                                                                       | Cardiac Adult                   |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Cardiac Pediatric               |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Intravascular (Cardiac)         |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Trans-esoph. (Cardiac)          |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Intra-cardiac                   |                   |   |     |     |               |                   |                    |                    |
| Peripheral vessel                                                                             | Peripheral vessel               |                   |   |     |     |               |                   |                    |                    |
|                                                                                               | Other (Specify***)              | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7   |
| N=new indication; P=previously cleared by FDA(K150080); E=added under Appendix E              |                                 |                   |   |     |     |               |                   |                    |                    |
| Additional comments: Combined modes--B+M、PW+B、Color + B、Power + B、PW +Color+ B、Power + PW +B. |                                 |                   |   |     |     |               |                   |                    |                    |
| *Intraoperative includes abdominal, thoracic, and vascular.                                   |                                 |                   |   |     |     |               |                   |                    |                    |
| **Small organ-breast, thyroid, testes.                                                        |                                 |                   |   |     |     |               |                   |                    |                    |
| ***Other use includes Urology.                                                                |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 1: Tissue Harmonic Imaging.                                                              |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 2: Smart3D                                                                               |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 3: 4D(Real-time 3D)                                                                      |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 4: iScape                                                                                |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 5: TDI                                                                                   |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 6: Color M                                                                               |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 7: Biopsy Guidance                                                                       |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 8: Elastography                                                                          |                                 |                   |   |     |     |               |                   |                    |                    |
| Note 9: Contrast imaging – liver only                                                         |                                 |                   |   |     |     |               |                   |                    |                    |
| Note10: Contrast imaging – LVO only                                                           |                                 |                   |   |     |     |               |                   |                    |                    |

Concurrence of CDRH, Office of Device Evaluation(ODE)

System: DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System

Transducer: L7-3E

510(k) Number: \_\_\_\_\_

Intended Use: Diagnostic Ultrasound imaging or fluid flow analysis of the human body as follows:

| Clinical Application                                                                          |                                 | Mode of Operation |   |     |     |               |                   |                    |                 |
|-----------------------------------------------------------------------------------------------|---------------------------------|-------------------|---|-----|-----|---------------|-------------------|--------------------|-----------------|
| General (Track 1 Only)                                                                        | Specific (Track 1 & 3)          | B                 | M | PWD | CWD | Color Doppler | Amplitude Doppler | Combined (specify) | Other (specify) |
| Ophthalmic                                                                                    | Ophthalmic                      |                   |   |     |     |               |                   |                    |                 |
| Fetal Imaging & Other                                                                         | Fetal                           |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Abdominal                       | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4,6,7 |
|                                                                                               | Intra-operative (Specify*)      |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Intra-operative (Neuro)         |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Laparoscopic                    |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Pediatric                       | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4,6,7 |
|                                                                                               | Small Organ (Specify**)         | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4,6,7 |
|                                                                                               | Neonatal Cephalic               | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4,6,7 |
|                                                                                               | Adult Cephalic                  |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-rectal                    |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-vaginal                   |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-urethral                  |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-esoph. (non-Card.)        |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Musculo-skeletal (Conventional) | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4,6,7 |
|                                                                                               | Musculo-skeletal (Superficial)  | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4,6,7 |
|                                                                                               | Intravascular                   |                   |   |     |     |               |                   |                    |                 |
| Cardiac                                                                                       | Cardiac Adult                   |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Cardiac Pediatric               |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Intravascular (Cardiac)         |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-esoph. (Cardiac)          |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Intra-cardiac                   |                   |   |     |     |               |                   |                    |                 |
| Peripheral vessel                                                                             | Peripheral vessel               | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4,6,7 |
|                                                                                               | Other (Specify***)              |                   |   |     |     |               |                   |                    |                 |
| N=new indication; P=previously cleared by FDA(K150080); E=added under Appendix E              |                                 |                   |   |     |     |               |                   |                    |                 |
| Additional comments: Combined modes--B+M、PW+B、Color + B、Power + B、PW +Color+ B、Power + PW +B. |                                 |                   |   |     |     |               |                   |                    |                 |
| *Intraoperative includes abdominal, thoracic, and vascular.                                   |                                 |                   |   |     |     |               |                   |                    |                 |
| **Small organ-breast, thyroid, testes.                                                        |                                 |                   |   |     |     |               |                   |                    |                 |
| ***Other use includes Urology.                                                                |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 1: Tissue Harmonic Imaging.                                                              |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 2: Smart3D                                                                               |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 3: 4D(Real-time 3D)                                                                      |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 4: iScape                                                                                |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 5: TDI                                                                                   |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 6: Color M                                                                               |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 7: Biopsy Guidance                                                                       |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 8: Elastography                                                                          |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 9: Contrast imaging – liver only                                                         |                                 |                   |   |     |     |               |                   |                    |                 |
| Note10: Contrast imaging – LVO only                                                           |                                 |                   |   |     |     |               |                   |                    |                 |

Concurrence of CDRH, Office of Device Evaluation(ODE)

System: DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System

Transducer: P10-4E

510(k) Number: \_\_\_\_\_

Intended Use: Diagnostic Ultrasound imaging or fluid flow analysis of the human body as follows:

| Clinical Application                                                                          |                                 | Mode of Operation |   |     |     |               |                   |                    |                 |
|-----------------------------------------------------------------------------------------------|---------------------------------|-------------------|---|-----|-----|---------------|-------------------|--------------------|-----------------|
| General (Track 1 Only)                                                                        | Specific (Track 1 & 3)          | B                 | M | PWD | CWD | Color Doppler | Amplitude Doppler | Combined (specify) | Other (specify) |
| Ophthalmic                                                                                    | Ophthalmic                      |                   |   |     |     |               |                   |                    |                 |
| Fetal Imaging & Other                                                                         | Fetal                           |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Abdominal                       | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,6   |
|                                                                                               | Intra-operative (Specify*)      |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Intra-operative (Neuro)         |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Laparoscopic                    |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Pediatric                       | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,6   |
|                                                                                               | Small Organ (Specify**)         |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Neonatal Cephalic               | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,6   |
|                                                                                               | Adult Cephalic                  | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,6   |
|                                                                                               | Trans-rectal                    |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-vaginal                   |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-urethral                  |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-esoph. (non-Card.)        |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Musculo-skeletal (Conventional) |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Musculo-skeletal (Superficial)  |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Intravascular                   |                   |   |     |     |               |                   |                    |                 |
| Cardiac                                                                                       | Cardiac Adult                   | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,5,6 |
|                                                                                               | Cardiac Pediatric               | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,5,6 |
|                                                                                               | Intravascular (Cardiac)         |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-esoph. (Cardiac)          |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Intra-cardiac                   |                   |   |     |     |               |                   |                    |                 |
| Peripheral vessel                                                                             | Peripheral vessel               |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Other (Specify***)              |                   |   |     |     |               |                   |                    |                 |
| N=new indication; P=previously cleared by FDA(K150080); E=added under Appendix E              |                                 |                   |   |     |     |               |                   |                    |                 |
| Additional comments: Combined modes--B+M、PW+B、Color + B、Power + B、PW +Color+ B、Power + PW +B. |                                 |                   |   |     |     |               |                   |                    |                 |
| *Intraoperative includes abdominal, thoracic, and vascular                                    |                                 |                   |   |     |     |               |                   |                    |                 |
| **Small organ-breast, thyroid, testes,                                                        |                                 |                   |   |     |     |               |                   |                    |                 |
| ***Other use includes Urology.                                                                |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 1: Tissue Harmonic Imaging. .                                                            |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 2: Smart3D                                                                               |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 3: 4D(Real-time 3D)                                                                      |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 4: iScape                                                                                |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 5: TDI                                                                                   |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 6: Color M                                                                               |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 7: Biopsy Guidance                                                                       |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 8: Elastography                                                                          |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 9: Contrast imaging – liver only                                                         |                                 |                   |   |     |     |               |                   |                    |                 |
| Note10: Contrast imaging – LVO only                                                           |                                 |                   |   |     |     |               |                   |                    |                 |

Concurrence of CDRH, Office of Device Evaluation(ODE)

System: DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System

Transducer: P7-3TE

510(k) Number: \_\_\_\_\_

Intended Use: Diagnostic Ultrasound imaging or fluid flow analysis of the human body as follows:

| Clinical Application                                                                          |                                 | Mode of Operation |   |     |     |               |                   |                    |                 |
|-----------------------------------------------------------------------------------------------|---------------------------------|-------------------|---|-----|-----|---------------|-------------------|--------------------|-----------------|
| General (Track 1 Only)                                                                        | Specific (Track 1 & 3)          | B                 | M | PWD | CWD | Color Doppler | Amplitude Doppler | Combined (specify) | Other (specify) |
| Ophthalmic                                                                                    | Ophthalmic                      |                   |   |     |     |               |                   |                    |                 |
| Fetal Imaging & Other                                                                         | Fetal                           |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Abdominal                       |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Intra-operative (Specify*)      |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Intra-operative (Neuro)         |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Laparoscopic                    |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Pediatric                       |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Small Organ (Specify**)         |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Neonatal Cephalic               |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Adult Cephalic                  |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-rectal                    |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-vaginal                   |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-urethral                  |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-esoph. (non-Card.)        |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Musculo-skeletal (Conventional) |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Musculo-skeletal (Superficial)  |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Intravascular                   |                   |   |     |     |               |                   |                    |                 |
| Cardiac                                                                                       | Cardiac Adult                   |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Cardiac Pediatric               |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Intravascular (Cardiac)         |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-esoph. (Cardiac)          | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 5,6     |
|                                                                                               | Intra-cardiac                   |                   |   |     |     |               |                   |                    |                 |
| Peripheral vessel                                                                             | Peripheral vessel               |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Other (Specify***)              |                   |   |     |     |               |                   |                    |                 |
| N=new indication; P=previously cleared by FDA(K150080); E=added under Appendix E              |                                 |                   |   |     |     |               |                   |                    |                 |
| Additional comments: Combined modes--B+M、PW+B、Color + B、Power + B、PW +Color+ B、Power + PW +B. |                                 |                   |   |     |     |               |                   |                    |                 |
| *Intraoperative includes abdominal, thoracic, and vascular                                    |                                 |                   |   |     |     |               |                   |                    |                 |
| **Small organ-breast, thyroid, testes,                                                        |                                 |                   |   |     |     |               |                   |                    |                 |
| ***Other use includes Urology.                                                                |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 1: Tissue Harmonic Imaging. .                                                            |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 2: Smart3D                                                                               |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 3: 4D(Real-time 3D)                                                                      |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 4: iScape                                                                                |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 5: TDI                                                                                   |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 6: Color M                                                                               |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 7: Biopsy Guidance                                                                       |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 8: Elastography                                                                          |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 9: Contrast imaging – liver only                                                         |                                 |                   |   |     |     |               |                   |                    |                 |
| Note10: Contrast imaging – LVO only                                                           |                                 |                   |   |     |     |               |                   |                    |                 |

Concurrence of CDRH, Office of Device Evaluation(ODE)

System: DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System

Transducer: CW2s

510(k) Number: \_\_\_\_\_

Intended Use: Diagnostic Ultrasound imaging or fluid flow analysis of the human body as follows:

| Clinical Application                                                                          |                                 | Mode of Operation |   |     |     |               |                   |                    |                 |
|-----------------------------------------------------------------------------------------------|---------------------------------|-------------------|---|-----|-----|---------------|-------------------|--------------------|-----------------|
| General (Track 1 Only)                                                                        | Specific (Track 1 & 3)          | B                 | M | PWD | CWD | Color Doppler | Amplitude Doppler | Combined (specify) | Other (specify) |
| Ophthalmic                                                                                    | Ophthalmic                      |                   |   |     |     |               |                   |                    |                 |
| Fetal Imaging & Other                                                                         | Fetal                           |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Abdominal                       |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Intra-operative (Specify*)      |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Intra-operative (Neuro)         |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Laparoscopic                    |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Pediatric                       |                   |   |     | P   |               |                   |                    |                 |
|                                                                                               | Small Organ (Specify**)         |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Neonatal Cephalic               |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Adult Cephalic                  |                   |   |     | P   |               |                   |                    |                 |
|                                                                                               | Trans-rectal                    |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-vaginal                   |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-urethral                  |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-esoph. (non-Card.)        |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Musculo-skeletal (Conventional) |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Musculo-skeletal (Superficial)  |                   |   |     |     |               |                   |                    |                 |
| Intravascular                                                                                 |                                 |                   |   |     |     |               |                   |                    |                 |
| Cardiac                                                                                       | Cardiac Adult                   |                   |   |     | P   |               |                   |                    |                 |
|                                                                                               | Cardiac Pediatric               |                   |   |     | P   |               |                   |                    |                 |
|                                                                                               | Intravascular (Cardiac)         |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-esoph. (Cardiac)          |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Intra-cardiac                   |                   |   |     |     |               |                   |                    |                 |
| Peripheral vessel                                                                             | Peripheral vessel               |                   |   |     | P   |               |                   |                    |                 |
|                                                                                               | Other (Specify***)              |                   |   |     |     |               |                   |                    |                 |
| N=new indication; P=previously cleared by FDA(K150080); E=added under Appendix E              |                                 |                   |   |     |     |               |                   |                    |                 |
| Additional comments: Combined modes--B+M、PW+B、Color + B、Power + B、PW +Color+ B、Power + PW +B. |                                 |                   |   |     |     |               |                   |                    |                 |
| *Intraoperative includes abdominal, thoracic, and vascular                                    |                                 |                   |   |     |     |               |                   |                    |                 |
| **Small organ-breast, thyroid, testes,                                                        |                                 |                   |   |     |     |               |                   |                    |                 |
| ***Other use includes Urology.                                                                |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 1: Tissue Harmonic Imaging. .                                                            |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 2: Smart3D                                                                               |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 3:4D(Real-time 3D)                                                                       |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 4: iScape                                                                                |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 5: TDI                                                                                   |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 6: Color M                                                                               |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 7: Biopsy Guidance                                                                       |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 8: Elastography                                                                          |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 9: Contrast imaging – liver only                                                         |                                 |                   |   |     |     |               |                   |                    |                 |
| Note10: Contrast imaging – LVO only                                                           |                                 |                   |   |     |     |               |                   |                    |                 |

Concurrence of CDRH, Office of Device Evaluation(ODE)

System: DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System

Transducer: CW5s

510(k) Number: \_\_\_\_\_

Intended Use: Diagnostic Ultrasound imaging or fluid flow analysis of the human body as follows:

| Clinical Application                                                                          |                                 | Mode of Operation |   |     |     |               |                   |                    |                 |
|-----------------------------------------------------------------------------------------------|---------------------------------|-------------------|---|-----|-----|---------------|-------------------|--------------------|-----------------|
| General (Track 1 Only)                                                                        | Specific (Track 1 & 3)          | B                 | M | PWD | CWD | Color Doppler | Amplitude Doppler | Combined (specify) | Other (specify) |
| Ophthalmic                                                                                    | Ophthalmic                      |                   |   |     |     |               |                   |                    |                 |
| Fetal Imaging & Other                                                                         | Fetal                           |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Abdominal                       |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Intra-operative (Specify*)      |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Intra-operative (Neuro)         |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Laparoscopic                    |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Pediatric                       |                   |   |     | P   |               |                   |                    |                 |
|                                                                                               | Small Organ (Specify**)         |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Neonatal Cephalic               |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Adult Cephalic                  |                   |   |     | P   |               |                   |                    |                 |
|                                                                                               | Trans-rectal                    |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-vaginal                   |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-urethral                  |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-esoph. (non-Card.)        |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Musculo-skeletal (Conventional) |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Musculo-skeletal (Superficial)  |                   |   |     |     |               |                   |                    |                 |
| Intravascular                                                                                 |                                 |                   |   |     |     |               |                   |                    |                 |
| Cardiac                                                                                       | Cardiac Adult                   |                   |   |     | P   |               |                   |                    |                 |
|                                                                                               | Cardiac Pediatric               |                   |   |     | P   |               |                   |                    |                 |
|                                                                                               | Intravascular (Cardiac)         |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-esoph. (Cardiac)          |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Intra-cardiac                   |                   |   |     |     |               |                   |                    |                 |
| Peripheral vessel                                                                             | Peripheral vessel               |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Other (Specify***)              |                   |   |     |     |               |                   |                    |                 |
| N=new indication; P=previously cleared by FDA(K150080); E=added under Appendix E              |                                 |                   |   |     |     |               |                   |                    |                 |
| Additional comments: Combined modes--B+M、PW+B、Color + B、Power + B、PW +Color+ B、Power + PW +B. |                                 |                   |   |     |     |               |                   |                    |                 |
| *Intraoperative includes abdominal, thoracic, and vascular                                    |                                 |                   |   |     |     |               |                   |                    |                 |
| **Small organ-breast, thyroid, testes,                                                        |                                 |                   |   |     |     |               |                   |                    |                 |
| ***Other use includes Urology.                                                                |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 1: Tissue Harmonic Imaging. .                                                            |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 2: Smart3D                                                                               |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 3: 4D(Real-time 3D)                                                                      |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 4: iScape                                                                                |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 5: TDI                                                                                   |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 6: Color M                                                                               |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 7: Biopsy Guidance                                                                       |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 8: Elastography                                                                          |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 9: Contrast imaging – liver only                                                         |                                 |                   |   |     |     |               |                   |                    |                 |
| Note10: Contrast imaging – LVO only                                                           |                                 |                   |   |     |     |               |                   |                    |                 |

Concurrence of CDRH, Office of Device Evaluation(ODE)

System: DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System

Transducer: P7-3E

510(k) Number: \_\_\_\_\_

Intended Use: Diagnostic Ultrasound imaging or fluid flow analysis of the human body as follows:

| Clinical Application   |                                 | Mode of Operation |   |     |     |               |                   |                    |                 |
|------------------------|---------------------------------|-------------------|---|-----|-----|---------------|-------------------|--------------------|-----------------|
| General (Track 1 Only) | Specific (Track 1 & 3)          | B                 | M | PWD | CWD | Color Doppler | Amplitude Doppler | Combined (specify) | Other (specify) |
| Ophthalmic             | Ophthalmic                      |                   |   |     |     |               |                   |                    |                 |
| Fetal Imaging & Other  | Fetal                           |                   |   |     |     |               |                   |                    |                 |
|                        | Abdominal                       | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,6   |
|                        | Intra-operative (Specify*)      |                   |   |     |     |               |                   |                    |                 |
|                        | Intra-operative (Neuro)         |                   |   |     |     |               |                   |                    |                 |
|                        | Laparoscopic                    |                   |   |     |     |               |                   |                    |                 |
|                        | Pediatric                       | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,6   |
|                        | Small Organ (Specify**)         |                   |   |     |     |               |                   |                    |                 |
|                        | Neonatal Cephalic               | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,6   |
|                        | Adult Cephalic                  | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,6   |
|                        | Trans-rectal                    |                   |   |     |     |               |                   |                    |                 |
|                        | Trans-vaginal                   |                   |   |     |     |               |                   |                    |                 |
|                        | Trans-urethral                  |                   |   |     |     |               |                   |                    |                 |
|                        | Trans-esoph. (non-Card.)        |                   |   |     |     |               |                   |                    |                 |
|                        | Musculo-skeletal (Conventional) | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,6   |
|                        | Musculo-skeletal (Superficial)  |                   |   |     |     |               |                   |                    |                 |
|                        | Intravascular                   |                   |   |     |     |               |                   |                    |                 |
| Cardiac                | Cardiac Adult                   | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,5,6 |
|                        | Cardiac Pediatric               | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,5,6 |
|                        | Intravascular (Cardiac)         |                   |   |     |     |               |                   |                    |                 |
|                        | Trans-esoph. (Cardiac)          |                   |   |     |     |               |                   |                    |                 |
|                        | Intra-cardiac                   |                   |   |     |     |               |                   |                    |                 |
| Peripheral vessel      | Peripheral vessel               |                   |   |     |     |               |                   |                    |                 |
|                        | Other (Specify***)              |                   |   |     |     |               |                   |                    |                 |

N=new indication; P=previously cleared by FDA(K150080); E=added under Appendix E

Additional comments: Combined modes--B+M、PW+B、Color + B、Power + B、PW +Color+ B、Power + PW +B.

\*Intraoperative includes abdominal, thoracic, and vascular

\*\*Small organ-breast, thyroid, testes,

\*\*\*Other use includes Urology.

Note 1: Tissue Harmonic Imaging. .

Note 2: Smart3D

Note 3: 4D(Real-time 3D)

Note 4: iScape

Note 5: TDI

Note 6: Color M

Note 7: Biopsy Guidance

Note 8: Elastography

Note 9: Contrast imaging – liver only

Note10: Contrast imaging – LVO only

**Concurrence of CDRH, Office of Device Evaluation(ODE)**

System: DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System

Transducer: P4-2NE

510(k) Number: \_\_\_\_\_

Intended Use: Diagnostic Ultrasound imaging or fluid flow analysis of the human body as follows:

| Clinical Application                                                                          |                                 | Mode of Operation |   |     |     |               |                   |                    |                      |
|-----------------------------------------------------------------------------------------------|---------------------------------|-------------------|---|-----|-----|---------------|-------------------|--------------------|----------------------|
| General (Track 1 Only)                                                                        | Specific (Track 1 & 3)          | B                 | M | PWD | CWD | Color Doppler | Amplitude Doppler | Combined (specify) | Other (specify)      |
| Ophthalmic                                                                                    | Ophthalmic                      |                   |   |     |     |               |                   |                    |                      |
| Fetal Imaging & Other                                                                         | Fetal                           |                   |   |     |     |               |                   |                    |                      |
|                                                                                               | Abdominal                       | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,6,7      |
|                                                                                               | Intra-operative (Specify*)      |                   |   |     |     |               |                   |                    |                      |
|                                                                                               | Intra-operative (Neuro)         |                   |   |     |     |               |                   |                    |                      |
|                                                                                               | Laparoscopic                    |                   |   |     |     |               |                   |                    |                      |
|                                                                                               | Pediatric                       | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,6,7      |
|                                                                                               | Small Organ (Specify**)         |                   |   |     |     |               |                   |                    |                      |
|                                                                                               | Neonatal Cephalic               |                   |   |     |     |               |                   |                    |                      |
|                                                                                               | Adult Cephalic                  | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,6,7      |
|                                                                                               | Trans-rectal                    |                   |   |     |     |               |                   |                    |                      |
|                                                                                               | Trans-vaginal                   |                   |   |     |     |               |                   |                    |                      |
|                                                                                               | Trans-urethral                  |                   |   |     |     |               |                   |                    |                      |
|                                                                                               | Trans-esoph. (non-Card.)        |                   |   |     |     |               |                   |                    |                      |
|                                                                                               | Musculo-skeletal (Conventional) |                   |   |     |     |               |                   |                    |                      |
|                                                                                               | Musculo-skeletal (Superficial)  |                   |   |     |     |               |                   |                    |                      |
|                                                                                               | Intravascular                   |                   |   |     |     |               |                   |                    |                      |
| Cardiac                                                                                       | Cardiac Adult                   | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,5,6,7,10 |
|                                                                                               | Cardiac Pediatric               | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,5,6,7    |
|                                                                                               | Intravascular (Cardiac)         |                   |   |     |     |               |                   |                    |                      |
|                                                                                               | Trans-esoph. (Cardiac)          |                   |   |     |     |               |                   |                    |                      |
|                                                                                               | Intra-cardiac                   |                   |   |     |     |               |                   |                    |                      |
| Peripheral vessel                                                                             | Peripheral vessel               |                   |   |     |     |               |                   |                    |                      |
|                                                                                               | Other (Specify***)              |                   |   |     |     |               |                   |                    |                      |
| N=new indication; P=previously cleared by FDA(K150080); E=added under Appendix E              |                                 |                   |   |     |     |               |                   |                    |                      |
| Additional comments: Combined modes--B+M、PW+B、Color + B、Power + B、PW +Color+ B、Power + PW +B. |                                 |                   |   |     |     |               |                   |                    |                      |
| *Intraoperative includes abdominal, thoracic, and vascular                                    |                                 |                   |   |     |     |               |                   |                    |                      |
| **Small organ-breast, thyroid, testes,                                                        |                                 |                   |   |     |     |               |                   |                    |                      |
| ***Other use includes Urology.                                                                |                                 |                   |   |     |     |               |                   |                    |                      |
| Note 1: Tissue Harmonic Imaging. .                                                            |                                 |                   |   |     |     |               |                   |                    |                      |
| Note 2: Smart3D                                                                               |                                 |                   |   |     |     |               |                   |                    |                      |
| Note 3: 4D(Real-time 3D)                                                                      |                                 |                   |   |     |     |               |                   |                    |                      |
| Note 4: iScape                                                                                |                                 |                   |   |     |     |               |                   |                    |                      |
| Note 5: TDI                                                                                   |                                 |                   |   |     |     |               |                   |                    |                      |
| Note 6: Color M                                                                               |                                 |                   |   |     |     |               |                   |                    |                      |
| Note 7: Biopsy Guidance                                                                       |                                 |                   |   |     |     |               |                   |                    |                      |
| Note 8: Elastography                                                                          |                                 |                   |   |     |     |               |                   |                    |                      |
| Note 9: Contrast imaging – liver only                                                         |                                 |                   |   |     |     |               |                   |                    |                      |
| Note10: Contrast imaging – LVO only                                                           |                                 |                   |   |     |     |               |                   |                    |                      |

Concurrence of CDRH, Office of Device Evaluation(ODE)

System: DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System

Transducer: CB10-4E

510(k) Number: \_\_\_\_\_

Intended Use: Diagnostic Ultrasound imaging or fluid flow analysis of the human body as follows:

| Clinical Application   |                                 | Mode of Operation |   |     |     |               |                   |                    |                  |
|------------------------|---------------------------------|-------------------|---|-----|-----|---------------|-------------------|--------------------|------------------|
| General (Track 1 Only) | Specific (Track 1 & 3)          | B                 | M | PWD | CWD | Color Doppler | Amplitude Doppler | Combined (specify) | Other (specify)  |
| Ophthalmic             | Ophthalmic                      |                   |   |     |     |               |                   |                    |                  |
| Fetal Imaging & Other  | Fetal                           |                   |   |     |     |               |                   |                    |                  |
|                        | Abdominal                       |                   |   |     |     |               |                   |                    |                  |
|                        | Intra-operative (Specify*)      |                   |   |     |     |               |                   |                    |                  |
|                        | Intra-operative (Neuro)         |                   |   |     |     |               |                   |                    |                  |
|                        | Laparoscopic                    |                   |   |     |     |               |                   |                    |                  |
|                        | Pediatric                       |                   |   |     |     |               |                   |                    |                  |
|                        | Small Organ (Specify**)         |                   |   |     |     |               |                   |                    |                  |
|                        | Neonatal Cephalic               |                   |   |     |     |               |                   |                    |                  |
|                        | Adult Cephalic                  |                   |   |     |     |               |                   |                    |                  |
|                        | Trans-rectal                    | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7 |
|                        | Trans-vaginal                   |                   |   |     |     |               |                   |                    |                  |
|                        | Trans-urethral                  |                   |   |     |     |               |                   |                    |                  |
|                        | Trans-esoph. (non-Card.)        |                   |   |     |     |               |                   |                    |                  |
|                        | Musculo-skeletal (Conventional) |                   |   |     |     |               |                   |                    |                  |
|                        | Musculo-skeletal (Superficial)  |                   |   |     |     |               |                   |                    |                  |
|                        | Intravascular                   |                   |   |     |     |               |                   |                    |                  |
| Cardiac                | Cardiac Adult                   |                   |   |     |     |               |                   |                    |                  |
|                        | Cardiac Pediatric               |                   |   |     |     |               |                   |                    |                  |
|                        | Intravascular (Cardiac)         |                   |   |     |     |               |                   |                    |                  |
|                        | Trans-esoph. (Cardiac)          |                   |   |     |     |               |                   |                    |                  |
|                        | Intra-cardiac                   |                   |   |     |     |               |                   |                    |                  |
| Peripheral vessel      | Peripheral vessel               |                   |   |     |     |               |                   |                    |                  |
|                        | Other (Specify***)              | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6,7 |

N=new indication; P=previously cleared by FDA(K150080); E=added under Appendix E

Additional comments: Combined modes--B+M、PW+B、Color + B、Power + B、PW +Color+ B、Power + PW +B.

\*Intraoperative includes abdominal, thoracic, and vascular.

\*\*Small organ-breast, thyroid, testes.

\*\*\*Other use includes Urology.

Note 1: Tissue Harmonic Imaging.

Note 2: Smart3D

Note 3: 4D(Real-time 3D)

Note 4: iScape

Note 5: TDI

Note 6: Color M

Note 7: Biopsy Guidance

Note 8: Elastography

Note 9: Contrast imaging – liver only

Note10: Contrast imaging – LVO only

**Concurrence of CDRH, Office of Device Evaluation(ODE)**

System: DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System

Transducer: SP5-1E

510(k) Number: \_\_\_\_\_

Intended Use: Diagnostic Ultrasound imaging or fluid flow analysis of the human body as follows:

| Clinical Application                                                                 |                                 | Mode of Operation |   |     |     |               |                   |                    |                      |
|--------------------------------------------------------------------------------------|---------------------------------|-------------------|---|-----|-----|---------------|-------------------|--------------------|----------------------|
| General (Track 1 Only)                                                               | Specific (Track 1 & 3)          | B                 | M | PWD | CWD | Color Doppler | Amplitude Doppler | Combined (specify) | Other (specify)      |
| Ophthalmic                                                                           | Ophthalmic                      |                   |   |     |     |               |                   |                    |                      |
| Fetal Imaging & Other                                                                | Fetal                           |                   |   |     |     |               |                   |                    |                      |
|                                                                                      | Abdominal                       | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4, 6,7     |
|                                                                                      | Intra-operative (Specify*)      |                   |   |     |     |               |                   |                    |                      |
|                                                                                      | Intra-operative (Neuro)         |                   |   |     |     |               |                   |                    |                      |
|                                                                                      | Laparoscopic                    |                   |   |     |     |               |                   |                    |                      |
|                                                                                      | Pediatric                       | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4, 6,7     |
|                                                                                      | Small Organ (Specify**)         |                   |   |     |     |               |                   |                    |                      |
|                                                                                      | Neonatal Cephalic               |                   |   |     |     |               |                   |                    |                      |
|                                                                                      | Adult Cephalic                  | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4, 6,7     |
|                                                                                      | Trans-rectal                    |                   |   |     |     |               |                   |                    |                      |
|                                                                                      | Trans-vaginal                   |                   |   |     |     |               |                   |                    |                      |
|                                                                                      | Trans-urethral                  |                   |   |     |     |               |                   |                    |                      |
|                                                                                      | Trans-esoph. (non-Card.)        |                   |   |     |     |               |                   |                    |                      |
|                                                                                      | Musculo-skeletal (Conventional) |                   |   |     |     |               |                   |                    |                      |
|                                                                                      | Musculo-skeletal (Superficial)  |                   |   |     |     |               |                   |                    |                      |
|                                                                                      | Intravascular                   |                   |   |     |     |               |                   |                    |                      |
| Cardiac                                                                              | Cardiac Adult                   | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,5,6,7,10 |
|                                                                                      | Cardiac Pediatric               | P                 | P | P   | P   | P             | P                 | P                  | Note 1, 2,4,5,6,7    |
|                                                                                      | Intravascular (Cardiac)         |                   |   |     |     |               |                   |                    |                      |
|                                                                                      | Trans-esoph. (Cardiac)          |                   |   |     |     |               |                   |                    |                      |
|                                                                                      | Intra-cardiac                   |                   |   |     |     |               |                   |                    |                      |
| Peripheral vessel                                                                    | Peripheral vessel               |                   |   |     |     |               |                   |                    |                      |
|                                                                                      | Other (Specify***)              |                   |   |     |     |               |                   |                    |                      |
| N=new indication; P=previously cleared by FDA(K150080); E=added under Appendix E     |                                 |                   |   |     |     |               |                   |                    |                      |
| Additional comments: Combined modes--B+M、PW+B、Color+B、Power+B、PW+Color+B、Power+PW+B. |                                 |                   |   |     |     |               |                   |                    |                      |
| *Intraoperative includes abdominal, thoracic, and vascular                           |                                 |                   |   |     |     |               |                   |                    |                      |
| **Small organ-breast, thyroid, testes,                                               |                                 |                   |   |     |     |               |                   |                    |                      |
| ***Other use includes Urology.                                                       |                                 |                   |   |     |     |               |                   |                    |                      |
| Note 1: Tissue Harmonic Imaging. .                                                   |                                 |                   |   |     |     |               |                   |                    |                      |
| Note 2: Smart3D                                                                      |                                 |                   |   |     |     |               |                   |                    |                      |
| Note 3:4D(Real-time 3D)                                                              |                                 |                   |   |     |     |               |                   |                    |                      |
| Note 4: iScape                                                                       |                                 |                   |   |     |     |               |                   |                    |                      |
| Note5: TDI                                                                           |                                 |                   |   |     |     |               |                   |                    |                      |
| Note6: Color M                                                                       |                                 |                   |   |     |     |               |                   |                    |                      |
| Note7: Biopsy Guidance                                                               |                                 |                   |   |     |     |               |                   |                    |                      |
| Note8: Elastography                                                                  |                                 |                   |   |     |     |               |                   |                    |                      |
| Note 9: Contrast imaging – liver only                                                |                                 |                   |   |     |     |               |                   |                    |                      |
| Note10: Contrast imaging – LVO only                                                  |                                 |                   |   |     |     |               |                   |                    |                      |

Concurrence of CDRH, Office of Device Evaluation(ODE)

System: DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System

Transducer: SC5-1E

510(k) Number: \_\_\_\_\_

Intended Use: Diagnostic Ultrasound imaging or fluid flow analysis of the human body as follows:

| Clinical Application                                                                 |                                 | Mode of Operation |   |     |     |               |                   |                    |                 |
|--------------------------------------------------------------------------------------|---------------------------------|-------------------|---|-----|-----|---------------|-------------------|--------------------|-----------------|
| General (Track 1 Only)                                                               | Specific (Track 1 & 3)          | B                 | M | PWD | CWD | Color Doppler | Amplitude Doppler | Combined (specify) | Other (specify) |
| Ophthalmic                                                                           | Ophthalmic                      |                   |   |     |     |               |                   |                    |                 |
| Fetal Imaging & Other                                                                | Fetal                           | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6  |
|                                                                                      | Abdominal                       | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6  |
|                                                                                      | Intra-operative (Specify*)      |                   |   |     |     |               |                   |                    |                 |
|                                                                                      | Intra-operative (Neuro)         |                   |   |     |     |               |                   |                    |                 |
|                                                                                      | Laparoscopic                    |                   |   |     |     |               |                   |                    |                 |
|                                                                                      | Pediatric                       | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6  |
|                                                                                      | Small Organ (Specify**)         |                   |   |     |     |               |                   |                    |                 |
|                                                                                      | Neonatal Cephalic               |                   |   |     |     |               |                   |                    |                 |
|                                                                                      | Adult Cephalic                  |                   |   |     |     |               |                   |                    |                 |
|                                                                                      | Trans-rectal                    |                   |   |     |     |               |                   |                    |                 |
|                                                                                      | Trans-vaginal                   |                   |   |     |     |               |                   |                    |                 |
|                                                                                      | Trans-urethral                  |                   |   |     |     |               |                   |                    |                 |
|                                                                                      | Trans-esoph. (non-Card.)        |                   |   |     |     |               |                   |                    |                 |
|                                                                                      | Musculo-skeletal (Conventional) | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6  |
|                                                                                      | Musculo-skeletal (Superficial)  |                   |   |     |     |               |                   |                    |                 |
|                                                                                      | Intravascular                   |                   |   |     |     |               |                   |                    |                 |
| Cardiac                                                                              | Cardiac Adult                   |                   |   |     |     |               |                   |                    |                 |
|                                                                                      | Cardiac Pediatric               |                   |   |     |     |               |                   |                    |                 |
|                                                                                      | Intravascular (Cardiac)         |                   |   |     |     |               |                   |                    |                 |
|                                                                                      | Trans-esoph. (Cardiac)          |                   |   |     |     |               |                   |                    |                 |
|                                                                                      | Intra-cardiac                   |                   |   |     |     |               |                   |                    |                 |
| Peripheral vessel                                                                    | Peripheral vessel               | P                 | P | P   |     | P             | P                 | P                  | Note 1, 2, 4,6  |
|                                                                                      | Other (Specify***)              |                   |   |     |     |               |                   |                    |                 |
| N=new indication; P=previously cleared by FDA(K150080); E=added under Appendix E     |                                 |                   |   |     |     |               |                   |                    |                 |
| Additional comments: Combined modes--B+M、PW+B、Color+B、Power+B、PW+Color+B、Power+PW+B. |                                 |                   |   |     |     |               |                   |                    |                 |
| *Intraoperative includes abdominal, thoracic, and vascular                           |                                 |                   |   |     |     |               |                   |                    |                 |
| **Small organ-breast, thyroid, testes,                                               |                                 |                   |   |     |     |               |                   |                    |                 |
| ***Other use includes Urology.                                                       |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 1: Tissue Harmonic Imaging. .                                                   |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 2: Smart3D                                                                      |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 3:4D(Real-time 3D)                                                              |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 4: iScape                                                                       |                                 |                   |   |     |     |               |                   |                    |                 |
| Note5: TDI                                                                           |                                 |                   |   |     |     |               |                   |                    |                 |
| Note6: Color M                                                                       |                                 |                   |   |     |     |               |                   |                    |                 |
| Note7: Biopsy Guidance                                                               |                                 |                   |   |     |     |               |                   |                    |                 |
| Note8: Elastography                                                                  |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 9: Contrast imaging – liver only                                                |                                 |                   |   |     |     |               |                   |                    |                 |
| Note10: Contrast imaging – LVO only                                                  |                                 |                   |   |     |     |               |                   |                    |                 |

Concurrence of CDRH, Office of Device Evaluation(ODE)

System: DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System

Transducer: L10-3E

510(k) Number: \_\_\_\_\_

Intended Use: Diagnostic Ultrasound imaging or fluid flow analysis of the human body as follows:

| Clinical Application                                                                          |                                 | Mode of Operation |   |     |     |               |                   |                    |                 |
|-----------------------------------------------------------------------------------------------|---------------------------------|-------------------|---|-----|-----|---------------|-------------------|--------------------|-----------------|
| General (Track 1 Only)                                                                        | Specific (Track 1 & 3)          | B                 | M | PWD | CWD | Color Doppler | Amplitude Doppler | Combined (specify) | Other (specify) |
| Ophthalmic                                                                                    | Ophthalmic                      |                   |   |     |     |               |                   |                    |                 |
| Fetal Imaging & Other                                                                         | Fetal                           |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Abdominal                       | P                 | P | P   |     | P             | P                 | P                  | Note 1,2,4      |
|                                                                                               | Intra-operative (Specify*)      |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Intra-operative (Neuro)         |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Laparoscopic                    |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Pediatric                       | P                 | P | P   |     | P             | P                 | P                  | Note 1,2,4      |
|                                                                                               | Small Organ (Specify**)         | P                 | P | P   |     | P             | P                 | P                  | Note 1,2,4      |
|                                                                                               | Neonatal Cephalic               | P                 | P | P   |     | P             | P                 | P                  | Note 1,2,4      |
|                                                                                               | Adult Cephalic                  |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-rectal                    |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-vaginal                   |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-urethral                  |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-esoph. (non-Card.)        |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Musculo-skeletal (Conventional) | P                 | P | P   |     | P             | P                 | P                  | Note 1,2,4      |
|                                                                                               | Musculo-skeletal (Superficial)  | P                 | P | P   |     | P             | P                 | P                  | Note 1,2,4      |
|                                                                                               | Intravascular                   |                   |   |     |     |               |                   |                    |                 |
| Cardiac                                                                                       | Cardiac Adult                   |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Cardiac Pediatric               |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Intravascular (Cardiac)         |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-esoph. (Cardiac)          |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Intra-cardiac                   |                   |   |     |     |               |                   |                    |                 |
| Peripheral vessel                                                                             | Peripheral vessel               | P                 | P | P   |     | P             | P                 | P                  | Note 1,2,4      |
|                                                                                               | Other (Specify***)              |                   |   |     |     |               |                   |                    |                 |
| N=new indication; P=previously cleared by FDA(K152543); E=added under Appendix E              |                                 |                   |   |     |     |               |                   |                    |                 |
| Additional comments: Combined modes--B+M、PW+B、Color + B、Power + B、PW +Color+ B、Power + PW +B. |                                 |                   |   |     |     |               |                   |                    |                 |
| *Intraoperative includes abdominal, thoracic, and vascular.                                   |                                 |                   |   |     |     |               |                   |                    |                 |
| **Small organ-breast, thyroid, testes.                                                        |                                 |                   |   |     |     |               |                   |                    |                 |
| ***Other use includes Urology.                                                                |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 1: Tissue Harmonic Imaging.                                                              |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 2: Smart3D                                                                               |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 3: 4D(Real-time 3D)                                                                      |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 4: iScape                                                                                |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 5: TDI                                                                                   |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 6: Color M                                                                               |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 7: Biopsy Guidance                                                                       |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 8: Elastography                                                                          |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 9: Contrast imaging – liver only                                                         |                                 |                   |   |     |     |               |                   |                    |                 |
| Note10: Contrast imaging – LVO only                                                           |                                 |                   |   |     |     |               |                   |                    |                 |

Concurrence of CDRH, Office of Device Evaluation(ODE)

System: DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System

Transducer: L16-4HE

510(k) Number: \_\_\_\_\_

Intended Use: Diagnostic Ultrasound imaging or fluid flow analysis of the human body as follows:

| Clinical Application                                                                          |                                 | Mode of Operation |   |     |     |               |                   |                    |                 |
|-----------------------------------------------------------------------------------------------|---------------------------------|-------------------|---|-----|-----|---------------|-------------------|--------------------|-----------------|
| General (Track 1 Only)                                                                        | Specific (Track 1 & 3)          | B                 | M | PWD | CWD | Color Doppler | Amplitude Doppler | Combined (specify) | Other (specify) |
| Ophthalmic                                                                                    | Ophthalmic                      |                   |   |     |     |               |                   |                    |                 |
| Fetal Imaging & Other                                                                         | Fetal                           |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Abdominal                       | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4     |
|                                                                                               | Intra-operative (Specify*)      | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4     |
|                                                                                               | Intra-operative (Neuro)         |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Laparoscopic                    |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Pediatric                       | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4     |
|                                                                                               | Small Organ (Specify**)         | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4     |
|                                                                                               | Neonatal Cephalic               | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4     |
|                                                                                               | Adult Cephalic                  |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-rectal                    |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-vaginal                   |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-urethral                  |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-esoph. (non-Card.)        |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Musculo-skeletal (Conventional) | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4     |
|                                                                                               | Musculo-skeletal (Superficial)  | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4     |
|                                                                                               | Intravascular                   |                   |   |     |     |               |                   |                    |                 |
| Cardiac                                                                                       | Cardiac Adult                   |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Cardiac Pediatric               |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Intravascular (Cardiac)         |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Trans-esoph. (Cardiac)          |                   |   |     |     |               |                   |                    |                 |
|                                                                                               | Intra-cardiac                   |                   |   |     |     |               |                   |                    |                 |
| Peripheral vessel                                                                             | Peripheral vessel               | P                 | P | P   |     | P             | P                 | P                  | Note 1,2, 4     |
|                                                                                               | Other (Specify***)              |                   |   |     |     |               |                   |                    |                 |
| N=new indication; P=previously cleared by FDA(K131690,K150080); E=added under Appendix E      |                                 |                   |   |     |     |               |                   |                    |                 |
| Additional comments: Combined modes--B+M、PW+B、Color + B、Power + B、PW +Color+ B、Power + PW +B. |                                 |                   |   |     |     |               |                   |                    |                 |
| *Intraoperative includes abdominal, thoracic, and vascular.                                   |                                 |                   |   |     |     |               |                   |                    |                 |
| **Small organ-breast, thyroid, testes.                                                        |                                 |                   |   |     |     |               |                   |                    |                 |
| ***Other use includes Urology.                                                                |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 1: Tissue Harmonic Imaging.                                                              |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 2: Smart3D                                                                               |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 3: 4D(Real-time 3D)                                                                      |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 4: iScape                                                                                |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 5: TDI                                                                                   |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 6: Color M                                                                               |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 7: Biopsy Guidance                                                                       |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 8: Elastography                                                                          |                                 |                   |   |     |     |               |                   |                    |                 |
| Note 9: Contrast imaging – liver only                                                         |                                 |                   |   |     |     |               |                   |                    |                 |
| Note10: Contrast imaging – LVO only                                                           |                                 |                   |   |     |     |               |                   |                    |                 |

**Concurrence of CDRH, Office of Device Evaluation(ODE)**

# 510(K) SUMMARY

This summary of 510(k) safety and effectiveness information is being submitted in accordance with the requirements of SMDA 1990 and 21 CFR §807.92.

The assigned 510(k) number is:

## **1. Submitter:**

Shenzhen Mindray Bio-medical Electronics Co., LTD  
Mindray Building, Keji 12th Road South, Hi-tech Industrial Park, Nanshan, Shenzhen,  
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**Date Prepared:** January 16, 2017

**2. Device Name:** DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic  
Ultrasound System

### **Classification**

Regulatory Class: II

Review Category: Tier II

21 CFR 892.1550 Ultrasonic Pulsed Doppler Imaging System (IYN)

21 CFR 892.1560 Ultrasonic Pulsed Echo Imaging System (IYO)

21 CFR 892.1570 Diagnostic Ultrasound Transducer (ITX)

### **3. Device Description:**

DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System is a general purpose, mobile, software controlled, ultrasound diagnostic system. Its function is to acquire and display ultrasound images in B-mode, M-mode, PW-mode, CW mode, Color-mode, Color m-Mode, Power/Dirpower mode, TDI mode, 3D/4D mode, Elastography or the combined mode (i.e. B/M-mode). This system is a Track 3 device that employs an array of probes that include linear array, convex array and phased array with a frequency range of approximately 3 MHz to 10.0 MHz.

### **4. Intended Use:**

The DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System is applicable for adults, pregnant women, pediatric patients and neonates. It is intended for use in fetal, abdominal, pediatric, small organ (breast, thyroid, testes), neonatal cephalic, adult cephalic, trans-rectal, trans-vaginal, musculo-skeletal (conventional, superficial), cardiac adult, cardiac pediatric, peripheral vessel, urology and transesophageal (Cardiac) exams.

### **5. Summary of Modifications and Newly Added Features**

This submission device is a modification to DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System previously cleared in K150080.

The following is a brief overview of the modifications and newly added features.

#### **■ Newly added transducers**

L16-4HE

L10-3E

#### **■ Newly added software options**

Smart MSP

Smart FLC

#### **■ Add the Contrast Imaging Function to C7-3E and C5-2E**

All of the above modifications and newly added features have been compared with the predicate devices. The results show that these modifications and newly added features are substantially equivalent to the predicate devices.

## **6. Comparison with Predicate Devices:**

DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System is comparable with and substantially equivalent to these predicate devices:

| Predicate Device | Manufacturer             | Model    | 510(k) Control Number |
|------------------|--------------------------|----------|-----------------------|
| 1                | Mindray                  | DC-8     | K150080               |
| 2                | Mindray                  | Resona 7 | K162267               |
| 3                | Philips                  | EPIQ 5   | K160807               |
| 4                | SAMSUNG MEDISON CO., LTD | WS80A    | K153529               |
| 5                | Mindray                  | M9       | K152543               |
| 6                | Mindray                  | M7       | K131690               |

DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System employs the same technology as the predicate devices. All systems transmit ultrasonic energy into patients, then perform post processing of received echoes to generate onscreen display of anatomic structures and fluid flow within the body. All systems allow for specialized measurements of structures and flow, and calculations. The subject device also has the same intended uses and basic operating modes as the predicate devices.

- Subject device DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S has the same intended uses as the predicated device DC-8(K150080)

| Items        | Subject Device<br>DC-8/DC-8 PRO/DC-8 CV/DC-8<br>EXP/DC-8S                                       | Predicate device<br>DC-8 (K150080)                                                                       |
|--------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Intended use | The DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S diagnostic ultrasound system is applicable for adults, | The DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S diagnostic ultrasound system is applicable for adults, pregnant |

|  |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                              |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>pregnant women, pediatric patients and neonates. It is intended for use in fetal, abdominal, pediatric, small organ (breast, thyroid, testes), neonatal cephalic, adult cephalic, trans-rectal, trans-vaginal, musculo-skeletal (conventional, superficial), cardiac adult, cardiac pediatric, peripheral vessel, urology and transesophageal (Cardiac) exams.</p> | <p>women, pediatric patients and neonates. It is intended for use in fetal, abdominal, pediatric, small organ (breast, thyroid, testes), neonatal cephalic, adult cephalic, trans-rectal, trans-vaginal, musculo-skeletal (conventional, superficial), cardiac adult, cardiac pediatric, peripheral vessel, urology and transesophageal (Cardiac) exams.</p> |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

- The patient contact material of the L10-3E and L16-4HE are tested under ISO 10993-1.
- The acoustic power levels of DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S are below the limits of FDA, which is the same as the predicated device DC-8(K150080).
- DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S is designed in compliance with the FDA recognized electrical and physical safety standards, which are the same as the predicated device DC-8(K150080).
- The newly added features: Smart MSP, Smart FLC , Contrast Imaging Function are identical as the predicated devices.
- The newly added transducers L16-4HE and L10-3E are also compared with the predicate devices.

## **7. Non-clinical Tests:**

DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System has been evaluated for acoustic output, biocompatibility, cleaning and disinfection effectiveness as well as thermal, electrical and mechanical safety, and has been found to conform with applicable medical safety standards.

Non-clinical tests relied on in this premarket notification submission for a determination of substantial equivalence include testing showing compliance with the following standards:

- AAMI/ANSI ES60601-1: Medical electrical equipment - Part 1: General

requirements for basic safety and essential performance

- AAMI/ANSI/IEC 60601-1-2: Medical electrical equipment - Part 1-2: General requirements for basic safety and essential performance - Collateral standard: Electromagnetic compatibility - Requirements and tests (Edition 3)
- IEC 60601-2-37: Medical electrical equipment - Part 2-37: Particular requirements for the basic safety and essential performance of ultrasonic medical diagnostic and monitoring equipment
- IEC 62304: Medical device software - Software life cycle processes
- IEC 62366: Medical devices - Application of usability engineering to medical devices
- IEC 60601-1-6: medical electrical equipment - part 1-6: general requirements for basic safety and essential performance - collateral standard: usability
- ISO14971: Medical devices - Application of risk management to medical devices
- UD 2: Acoustic Output Measurement Standard for Diagnostic Ultrasound Equipment Revision 3
- UD 3: Standard for Real Time Display of Thermal and Mechanical Acoustic Output Indices on Diagnostic Ultrasound Equipment
- ISO 10993-1: Biological evaluation of medical devices -- Part 1: Evaluation and testing within a risk management process

## **8. Clinical Tests:**

Not Applicable.

## **Conclusion:**

Intended uses and other key features are consistent with traditional clinical practices, FDA guidelines and established methods of patient examination. The design, development and quality process of the manufacturer confirms with 21 CFR 820, ISO 9001 and ISO 13485 quality systems. The device conforms to applicable medical device safety standards. Therefore, the DC-8/DC-8 PRO/DC-8 CV/DC-8 EXP/DC-8S Diagnostic Ultrasound System is substantially equivalent with respect to safety and effectiveness to devices currently cleared for market.