

K993364

Special 510(k) Premarket Notification  
GE Medical Systems - LOGIQ 700 with Coded Excitation Modification  
October 5, 1999

NOV - 5 1999

**Attachment B:**  
*Summary of Safety and Effectiveness*  
*Prepared in accordance with 21 CFR Part 807.92(c).*



GE Medical Systems

General Electric Company  
P.O. Box 414, Milwaukee, WI 53201

**Section a):**

1. Submitter: GE Medical Systems  
PO Box 414  
Milwaukee, WI 53201

Contact Person: Allen Schuh,  
Manager, Safety and Regulatory Engineering  
Telephone: 414-647-4385; Fax: 414-647-4090

Date Prepared: October 5, 1999

2. Device Name: GE LOGIQ 700 Diagnostic Ultrasound with coded excitation (CE) modification.  
Ultrasonic Pulsed Echo Imaging System, 21 CFR 892.1560, 90-IYO

3. Marketed Device: GE Medical Systems LOGIQ 700 diagnostic ultrasound system, 510(k) Numbers K930768, K960527, K964617, K964886 and K990226, currently in commercial distribution.

4. Device Description: The GE LOGIQ 700 with CE is a mobile console approximately 70 cm wide, 120 cm deep and 120 cm high that provides full 128 channel capability and assorted probes. The user interface is an adjustable height keyboard, small A/N display panel and a color video display monitor. Optional image storage or hard-copy devices are integrated into the design. Coded Excitation is useful for enhancing B or M mode performance characteristics providing improved high frequency depth penetration without loss of spatial resolution.

5. Indications for Use: The GE LOGIQ 700 with CE is a general purpose ultrasound imaging system intended for use in the evaluation of soft tissue and vascular disease in the head, neck, chest, abdomen, pelvis, male and female reproductive organs, limbs and pregnant uterus. Specific indications are: fetal, abdominal; intraoperative abdominal and neurological; pediatric; small organ including breast, testes, thyroid; neonatal cephalic; cardiac adult and pediatric; TR; TV; PV; urological; and conventional and superficial musculo-skeletal.

6. Comparison with Predicate Device: The GE LOGIQ 700 Diagnostic Ultrasound System with CE is of a comparable type and substantially equivalent to the currently marketed GE LOGIQ 700. It has the same technological characteristics, is comparable in key safety and effectiveness features, uses the same basic design, construction, and materials, and has the same intended uses, operating modes and probes as the predicate device.

**Section b):**

1. Non-clinical Tests: The device has been evaluated for acoustic output, biocompatibility, and thermal, electrical and mechanical safety, and has been found to conform with applicable medical device safety standards. Coded Excitation is implemented with conventional digital image processing technology.

2. Clinical Tests: None required.

3. Conclusion: Intended uses and other key features are consistent with traditional clinical practice, FDA guidelines, and established methods of patient examination. The design and development process of the manufacturer conforms with 21 CFR 820, ISO 9001 and EN 46001 quality systems. The device conforms to applicable medical device safety standards and compliance is verified through independent evaluation with factory surveillance. Diagnostic ultrasound has accumulated a long history of safe and effective performance. Therefore, it is the opinion of GE Medical Systems that the GE LOGIQ 700 with CE is substantially equivalent with respect to safety and effectiveness to devices currently cleared for market.



NOV - 5 1999

Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

Allen Schuh  
Manager, Ultrasound Safety and Regulatory Engineering  
General Electric Medical Systems  
P.O. Box 414  
Milwaukee, WI 53201

Re: K993364  
GE Logiq 700 Diagnostic Ultrasound System with Coded Excitation  
Dated: October 5, 1999  
Received: October 6, 1999  
Regulatory class: II  
21 CFR 892.1560/Procode: 90 IYO  
21 CFR 892.1570/Procode: 90 ITX

Dear Mr. Schuh:

We have reviewed your Section 510(k) notification of intent to market the device referenced above and we 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). 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.

This determination of substantial equivalence applies to the following transducers intended for use with the Ultrasound Imaging and Doppler Fluid Flow Measurements of the Human Body, as described in your premarket notification:

Transducer Model Number

548c, M7c, 618e, 618c, 739L

If your device is classified (see above) into either class II (Special Controls) or class III (Premarket Approval) it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 895. A substantially equivalent determination assumes compliance with the Good Manufacturing Practice requirement, as set forth in the Quality System Regulation (QS) for Medical Devices: General (GMP) regulation (21 CFR Part 820) and that, through periodic QS inspections, the FDA will verify such assumptions. Failure to comply with the GMP regulation may result in regulatory action. In addition, the Food and Drug Administration (FDA) may publish further announcements concerning your device in the Federal Register. Please note: this response to your premarket notification does not affect any obligation you may have under sections 531 and 542 of the Act for devices under the Electronic Product Radiation Control provisions, or other Federal laws or regulations.

Please be advised that the determination above is based on the fact that no medical devices have been demonstrated to be safe and effective for in vitro fertilization or percutaneous umbilical blood sampling, nor have any devices been marketed for these uses in interstate commerce prior to May 28, 1976, or reclassified into class I (General Controls) or class II (Special Controls). FDA considers devices specifically intended for in vitro fertilization and percutaneous umbilical blood sampling to be investigational, and subject to the provision of the investigational device exemptions (IDE) regulations, 21 CFR, Part 812. Therefore, your product labeling must be consistent with FDA's position on this use.

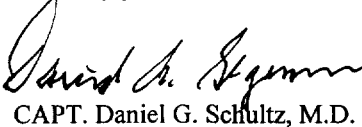
Page 2 – Allen Schuh

This letter will allow you to begin marketing your device as described in your premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus permits your device to proceed to market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801 and additionally 809.10 for in vitro diagnostic devices), please contact the Office of Compliance at (301) 594-4591. Additionally, for questions on the promotion and advertising of your device, please contact the Office of Compliance at (301) 594-4639. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers Assistance at its toll-free number (800) 638-2041 or at (301) 443-6597 or at its internet address "<http://www.fda.gov/cdrh/dsmamain.html>".

If you have any questions regarding the content of this letter, please contact Robert A. Phillips, Ph.D. at (301) 594-1212.

Sincerely yours,

*for*   
CAPT. Daniel G. Schultz, M.D.  
Acting Director, Division of Reproductive,  
Abdominal and Radiological Devices  
Office of Device Evaluation  
Center for Devices and  
Radiological Health

Enclosure

**Diagnostic Ultrasound Indications for Use Form**  
**GE LOGIQ 700 System**

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

| Clinical Application          | Mode of Operation |   |   |     |     |               |                   |                        |                    |                 |
|-------------------------------|-------------------|---|---|-----|-----|---------------|-------------------|------------------------|--------------------|-----------------|
|                               | A                 | B | M | PWD | CWD | Color Doppler | Amplitude Doppler | Color Velocity Imaging | Combined (specify) | Other (specify) |
| Ophthalmic                    |                   |   |   |     |     |               |                   |                        |                    |                 |
| Fetal                         |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Abdominal                     |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Intraoperative (specify)      |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Intraoperative Neurological   |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Pediatric                     |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Small Organ (specify)         |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Neonatal Cephalic             |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Adult Cephalic                |                   |   |   |     |     |               |                   |                        |                    |                 |
| Cardiac                       |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Transesophageal               |                   |   |   |     |     |               |                   |                        |                    |                 |
| Transrectal                   |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Transvaginal                  |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Transurethral                 |                   |   |   |     |     |               |                   |                        |                    |                 |
| Intravascular                 |                   |   |   |     |     |               |                   |                        |                    |                 |
| Peripheral Vascular           |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Laparoscopic                  |                   |   |   |     |     |               |                   |                        |                    |                 |
| Musculo-skeletal Conventional |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Musculo-skeletal Superficial  |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Other (specify)               |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |

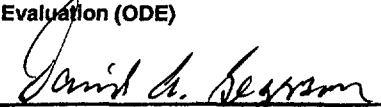
N= new indication; P= previously cleared by FDA; E= added under Appendix E

Additional Comments: Cardiac is Adult and Pediatric. Small organ includes breast, testes, thyroid.

Other is urological. Combined includes B/M, B/Color, B/PWD, B/Color/PWD, Color includes Color M, Intraoperative includes abdominal organs, added via K964886. Musculo-skeletal added via K960527 3D Imaging added via K964617. B-mode includes B-flow imaging K990226. Initial 510(k): K930768 B and M modes include coded excitation for limited probes and scan conditions.

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Concurrence of CDRH, Office of Device Evaluation (ODE)

  
 (Division Sign-Off)  
 Division of Reproductive, Abdominal, ENT,  
 and Radiological Devices  
 510(k) Number K993364

Prescription User (Per 21 CFR 801.109)

**Diagnostic Ultrasound Indications for Use Form**  
**GE LOGIQ 700 with 548c Transducer**

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

| Clinical Application          | Mode of Operation |   |   |     |     |               |                   |                        |                    |                 |
|-------------------------------|-------------------|---|---|-----|-----|---------------|-------------------|------------------------|--------------------|-----------------|
|                               | A                 | B | M | PWD | CWD | Color Doppler | Amplitude Doppler | Color Velocity Imaging | Combined (specify) | Other (specify) |
| Ophthalmic                    |                   |   |   |     |     |               |                   |                        |                    |                 |
| Fetal                         |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Abdominal                     |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Intraoperative (specify)      |                   |   |   |     |     |               |                   |                        |                    |                 |
| Intraoperative Neurological   |                   |   |   |     |     |               |                   |                        |                    |                 |
| Pediatric                     |                   |   |   |     |     |               |                   |                        |                    |                 |
| Small Organ (specify)         |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Neonatal Cephalic             |                   |   |   |     |     |               |                   |                        |                    |                 |
| Adult Cephalic                |                   |   |   |     |     |               |                   |                        |                    |                 |
| Cardiac                       |                   |   |   |     |     |               |                   |                        |                    |                 |
| Transesophageal               |                   |   |   |     |     |               |                   |                        |                    |                 |
| Transrectal                   |                   |   |   |     |     |               |                   |                        |                    |                 |
| Transvaginal                  |                   |   |   |     |     |               |                   |                        |                    |                 |
| Transurethral                 |                   |   |   |     |     |               |                   |                        |                    |                 |
| Intravascular                 |                   |   |   |     |     |               |                   |                        |                    |                 |
| Peripheral Vascular           |                   |   |   |     |     |               |                   |                        |                    |                 |
| Laparoscopic                  |                   |   |   |     |     |               |                   |                        |                    |                 |
| Musculo-skeletal Conventional |                   |   |   |     |     |               |                   |                        |                    |                 |
| Musculo-skeletal Superficial  |                   |   |   |     |     |               |                   |                        |                    |                 |
| Other (specify)               |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |

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

Additional Comments: Small organ includes breast, testes, thyroid. Other includes urological.

Combined modes are B/M, B/Color, B/PWD, B/Color/PWD

B and M modes include coded excitation (CE) capability.

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Concurrence of CDRH, Office of Device Evaluation (ODE)

*David A. Segman*  
 (Division Sign-Off)

Division of Reproductive, Abdominal, ENT,  
 and Radiological Devices

510(k) Number 15993364

Prescription User (Per 21 CFR 801.109)

**Diagnostic Ultrasound Indications for Use Form**  
**GE LOGIQ 700 with 618e Transducer**

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

| Clinical Application          | Mode of Operation |   |   |     |     |               |                   |                        |                    |                 |
|-------------------------------|-------------------|---|---|-----|-----|---------------|-------------------|------------------------|--------------------|-----------------|
|                               | A                 | B | M | PWD | CWD | Color Doppler | Amplitude Doppler | Color Velocity Imaging | Combined (specify) | Other (specify) |
| Ophthalmic                    |                   |   |   |     |     |               |                   |                        |                    |                 |
| Fetal                         |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Abdominal                     |                   |   |   |     |     |               |                   |                        |                    |                 |
| Intraoperative (specify)      |                   |   |   |     |     |               |                   |                        |                    |                 |
| Intraoperative Neurological   |                   |   |   |     |     |               |                   |                        |                    |                 |
| Pediatric                     |                   |   |   |     |     |               |                   |                        |                    |                 |
| Small Organ (specify)         |                   |   |   |     |     |               |                   |                        |                    |                 |
| Neonatal Cephalic             |                   |   |   |     |     |               |                   |                        |                    |                 |
| Adult Cephalic                |                   |   |   |     |     |               |                   |                        |                    |                 |
| Cardiac                       |                   |   |   |     |     |               |                   |                        |                    |                 |
| Transesophageal               |                   |   |   |     |     |               |                   |                        |                    |                 |
| Transrectal                   |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Transvaginal                  |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Transurethral                 |                   |   |   |     |     |               |                   |                        |                    |                 |
| Intravascular                 |                   |   |   |     |     |               |                   |                        |                    |                 |
| Peripheral Vascular           |                   |   |   |     |     |               |                   |                        |                    |                 |
| Laparoscopic                  |                   |   |   |     |     |               |                   |                        |                    |                 |
| Musculo-skeletal Conventional |                   |   |   |     |     |               |                   |                        |                    |                 |
| Musculo-skeletal Superficial  |                   |   |   |     |     |               |                   |                        |                    |                 |
| Other (specify)               |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |

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

Additional Comments: Combined modes are B/M, B/Color, B/PWD, B/Color/PWD

Other includes urological. B and M modes include coded excitation (CE) capability.

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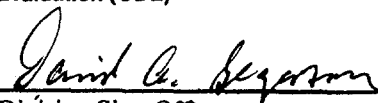
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**Concurrence of CDRH, Office of Device Evaluation (ODE)**

  
 (Division Sign-Off)  
 Division of Reproductive, Abdominal, ENT,  
 and Radiological Devices  
 510(k) Number     K993364    

Prescription User (Per 21 CFR 801.109)

**Diagnostic Ultrasound Indications for Use Form**  
**GE LOGIQ 700 with 618c Transducer**

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

| Clinical Application          | Mode of Operation |   |   |     |     |               |                   |                        |                    |                 |
|-------------------------------|-------------------|---|---|-----|-----|---------------|-------------------|------------------------|--------------------|-----------------|
|                               | A                 | B | M | PWD | CWD | Color Doppler | Amplitude Doppler | Color Velocity Imaging | Combined (specify) | Other (specify) |
| Ophthalmic                    |                   |   |   |     |     |               |                   |                        |                    |                 |
| Fetal                         |                   |   |   |     |     |               |                   |                        |                    |                 |
| Abdominal                     |                   |   |   |     |     |               |                   |                        |                    |                 |
| Intraoperative (specify)      |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Intraoperative Neurological   |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Pediatric                     |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Small Organ (specify)         |                   |   |   |     |     |               |                   |                        |                    |                 |
| Neonatal Cephalic             |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Adult Cephalic                |                   |   |   |     |     |               |                   |                        |                    |                 |
| Cardiac                       |                   |   |   |     |     |               |                   |                        |                    |                 |
| Transesophageal               |                   |   |   |     |     |               |                   |                        |                    |                 |
| Transrectal                   |                   |   |   |     |     |               |                   |                        |                    |                 |
| Transvaginal                  |                   |   |   |     |     |               |                   |                        |                    |                 |
| Transurethral                 |                   |   |   |     |     |               |                   |                        |                    |                 |
| Intravascular                 |                   |   |   |     |     |               |                   |                        |                    |                 |
| Peripheral Vascular           |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Laparoscopic                  |                   |   |   |     |     |               |                   |                        |                    |                 |
| Musculo-skeletal Conventional |                   |   |   |     |     |               |                   |                        |                    |                 |
| Musculo-skeletal Superficial  |                   |   |   |     |     |               |                   |                        |                    |                 |
| Other (specify)               |                   |   |   |     |     |               |                   |                        |                    |                 |

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

Additional Comments: Combined modes are B/M, B/Color, B/PWD, B/Color/PWD

Intraoperative includes abdominal organs. K964886

B and M modes include coded excitation (CE) capability.

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Concurrence of CDRH, Office of Device Evaluation (ODE)

*David A. Seymour*  
 (Division Sign-Off)  
 Division of Reproductive, Abdominal, ENT,  
 and Radiological Devices

Prescription User (Per 21 CFR 801.109)

510(k) Number K993364

**Diagnostic Ultrasound Indications for Use Form**

**GE LOGIQ 700 with 739L Transducer**

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

| Clinical Application          | Mode of Operation |   |   |     |     |               |                   |                        |                    |                 |
|-------------------------------|-------------------|---|---|-----|-----|---------------|-------------------|------------------------|--------------------|-----------------|
|                               | A                 | B | M | PWD | CWD | Color Doppler | Amplitude Doppler | Color Velocity Imaging | Combined (specify) | Other (specify) |
| Ophthalmic                    |                   |   |   |     |     |               |                   |                        |                    |                 |
| Fetal                         |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Abdominal                     |                   |   |   |     |     |               |                   |                        |                    |                 |
| Intraoperative (specify)      |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Intraoperative Neurological   |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Pediatric                     |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Small Organ (specify)         |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Neonatal Cephalic             |                   |   |   |     |     |               |                   |                        |                    |                 |
| Adult Cephalic                |                   |   |   |     |     |               |                   |                        |                    |                 |
| Cardiac                       |                   |   |   |     |     |               |                   |                        |                    |                 |
| Transesophageal               |                   |   |   |     |     |               |                   |                        |                    |                 |
| Transrectal                   |                   |   |   |     |     |               |                   |                        |                    |                 |
| Transvaginal                  |                   |   |   |     |     |               |                   |                        |                    |                 |
| Transurethral                 |                   |   |   |     |     |               |                   |                        |                    |                 |
| Intravascular                 |                   |   |   |     |     |               |                   |                        |                    |                 |
| Peripheral Vascular           |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Laparoscopic                  |                   |   |   |     |     |               |                   |                        |                    |                 |
| Musculo-skeletal Conventional |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Musculo-skeletal Superficial  |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |
| Other (specify)               |                   | P | P | P   |     | P             | P                 |                        | P                  |                 |

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

Additional Comments: Small organ includes breast, testes, thyroid. Other includes urological.

Combined modes are B/M, B/Color, B/PWD, B/Color/PWD, Musculo-skeletal added via K960527

Intraoperative includes abdominal organs. K964886,

B and M modes include B-flow (K990226) with or without CE type coding.

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Concurrence of CDRH, Office of Device Evaluation (ODE)

*David G. Seymour*

Division Sign-Off)  
 Division of Reproductive, Abdominal, ENT,  
 Radiological Devices

File Number K993364

Prescription User (Per 21 CFR 801.109)



Special 510(k) Premarket Notification  
 GE Medical Systems - LOGIQ 700 with Coded Excitation Modification  
 October 5, 1999

**Diagnostic Ultrasound Indications for Use Form**

**GE LOGIQ 700 with M7c Transducer**

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

| Clinical Application          | Mode of Operation |   |   |     |     |               |                   |                        |                    |                 |
|-------------------------------|-------------------|---|---|-----|-----|---------------|-------------------|------------------------|--------------------|-----------------|
|                               | A                 | B | M | PWD | CWD | Color Doppler | Amplitude Doppler | Color Velocity Imaging | Combined (specify) | Other (specify) |
| Ophthalmic                    |                   |   |   |     |     |               |                   |                        |                    |                 |
| Fetal                         |                   | E | E | E   |     | E             | E                 |                        | E                  |                 |
| Abdominal                     |                   | E | E | E   |     | E             | E                 |                        | E                  |                 |
| Intraoperative (specify)      |                   |   |   |     |     |               |                   |                        |                    |                 |
| Intraoperative Neurological   |                   |   |   |     |     |               |                   |                        |                    |                 |
| Pediatric                     |                   | E | E | E   |     | E             | E                 |                        | E                  |                 |
| Small Organ (specify)         |                   | E | E | E   |     | E             | E                 |                        | E                  |                 |
| Neonatal Cephalic             |                   |   |   |     |     |               |                   |                        |                    |                 |
| Adult Cephalic                |                   |   |   |     |     |               |                   |                        |                    |                 |
| Cardiac                       |                   |   |   |     |     |               |                   |                        |                    |                 |
| Transesophageal               |                   |   |   |     |     |               |                   |                        |                    |                 |
| Transrectal                   |                   |   |   |     |     |               |                   |                        |                    |                 |
| Transvaginal                  |                   |   |   |     |     |               |                   |                        |                    |                 |
| Transurethral                 |                   |   |   |     |     |               |                   |                        |                    |                 |
| Intravascular                 |                   |   |   |     |     |               |                   |                        |                    |                 |
| Peripheral Vascular           |                   |   |   |     |     |               |                   |                        |                    |                 |
| Laparoscopic                  |                   |   |   |     |     |               |                   |                        |                    |                 |
| Musculo-skeletal Conventional |                   |   |   |     |     |               |                   |                        |                    |                 |
| Musculo-skeletal Superficial  |                   |   |   |     |     |               |                   |                        |                    |                 |
| Other (specify)               |                   |   |   |     |     |               |                   |                        |                    |                 |

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

Additional Comments: Combined modes are B/M, B/Color, B/PWD, B/Color/PWD

Small organ may include breast and testes.

B and M modes include coded excitation (CE) capability.

(PLEASE DO NOT WRITE BELOW THIS LINE - CONTINUE ON ANOTHER PAGE IF NEEDED)

Concurrence of CDRH, Office of Device Evaluation (ODE)

*David A. Seymour*  
 (Division Sign-Off)  
 Division of Reproductive, Abdominal, ENT,  
 and Radiological Devices

Prescription User (Per 21 CFR 801.109)

510(k) Number 15993364