

2/9/99

K990226

FDA/CDRH Premarket 510(k) Notification
GE Medical Systems - LOGIQ 700 with B-flow Modification
December 1, 1998

Section 2:

*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: November 11, 1998

2. Device Name: GE LOGIQ 700 Diagnostic Ultrasound System with B-flow 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 and K960527, currently in commercial distribution.

4. Device Description: The LOGIQ 700 with B-flow consists of a mobile console approximately 70 cm wide, 120 cm deep and 120 cm high that provides full 128 channel capability, and assorted transducers. 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. The addition of B-flow to the LOGIQ 700 extends the B mode imaging capability of blood flow, providing the user with enhanced visualization of flow and qualitative assessment.

5. Indications for Use: The LOGIQ 700 with B-flow 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.

6. Comparison with Predicate Device: The GE LOGIQ 700 Diagnostic Ultrasound System with B-flow 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 design, construction, and materials, and has the same intended uses, transducers and operating modes 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. The B-flow imaging is implemented with B mode technology having acoustic output at levels equivalent or less than color Doppler imaging.

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 Quality System Regulation and ISO 9001 & 13485 quality system standards. The product is designed to conform with applicable medical device safety standards and compliance is verified through independent evaluation with ongoing production 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 B-flow is substantially equivalent with respect to safety and effectiveness to devices currently cleared for market.



FEB - 9 1999

Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

General Electric Medical Systems, Inc.
C/o Chantel Carson
Underwriters Laboratories, Inc.
333 Pfingsten Road
Northbrook, IL 60062-2092

Re: K990226
GE LOGIC700 Diagnostic with B-Flow
Regulatory Class: II/21 CFR 892.1560
Product Code: 90 IYO
Dated: January 21, 1998
Received: January 25, 1998

Dear Ms. Carson:

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 GE Logic700 Diagnostic Ultrasound System with B-flow, as described in your premarket notification:

Transducer Model Number

739L**	326s	739t	548c	M12L
348c**	547L	618e	227s	M3c
546L**	739I	618c	LA39	

**Probes to which B-Flow Modification Apply

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.

This determination of substantial equivalence is granted on the condition that prior to shipping the first device, you submit a postclearance special report. This report should contain complete information, including acoustic output measurements based on production line devices, requested in Appendix G, (enclosed) of the Center's September 30, 1997 "Information for Manufacturers Seeking Marketing Clearance of Diagnostic Ultrasound Systems and Transducers." If the special report is incomplete or contains unacceptable values (e.g., acoustic output greater than approved levels), then the 510(k) clearance may not apply to the production units which as a result may be considered adulterated or misbranded.

The special report should reference the manufacturer's 510(k) number. It should be clearly and prominently marked "ADD-TO-FILE" and should be submitted in duplicate to:

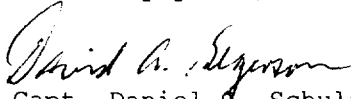
Food and Drug Administration
Center for Devices and Radiological Health
Document Mail Center (HFZ-401)
9200 Corporate Boulevard
Rockville, Maryland 20850

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, Ear, Nose and Throat,
and Radiological Devices
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosures

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

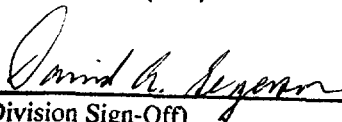
Additional Comments: Cardiac is Adult and Pediatric. Small organ includes breast, testes, thyroid.

Other includes urological. Combined modes are B/M, B/Color, B/PWD, B/Color/PWD K964617

Intraoperative includes abdominal organs. K964886, Musculo-skeletal added via K960527

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

Concurrence of CDRH, Office of Device Evaluation (ODE)


 (Division Sign-Off)
 Division of Reproductive, Abdominal, ENT,
 and Radiological Devices
 510(k) Number K990226

Prescription User (Per 21 CFR 801.109)

Diagnostic Ultrasound Indications for Use Form
GE LOGIQ 700 with 326s 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)										
Neonatal Cephalic										
Adult Cephalic										
Cardiac		P	P	P		P	P		P	
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: Cardiac is Adult and Pediatric. Small organ includes breast, testes, thyroid.

Other includes urological. Combined modes are B/M, B/Color, B/PWD, B/Color/PWD K964617

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

Concurrence of CDRH, Office of Device Evaluation (ODE)


 (Division Sign-Off)
 Division of Reproductive, Abdominal, ENT,
 and Radiological Devices
 510(k) Number K990226

Prescription User (Per 21 CFR 801.109)

Diagnostic Ultrasound Indications for Use Form
GE LOGIQ 700 with 547L 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		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

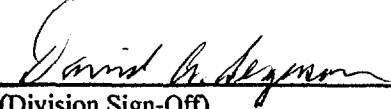
Additional Comments: Cardiac is Adult and Pediatric. Small organ includes breast, testes, thyroid.

Other includes urological. Combined modes are B/M, B/Color, B/PWD, B/Color/PWD

Musculo-skeletal added via K960527

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

Concurrence of CDRH, Office of Device Evaluation (ODE)


 (Division Sign-Off)
 Division of Reproductive, Abdominal, ENT,
 and Radiological Devices
 510(k) Number K990226

Prescription User (Per 21 CFR 801.109)

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

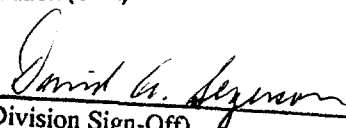
Other includes urological. Combined modes are B/M, B/Color, B/PWD, B/Color/PWD K964617

Intraoperative includes abdominal organs. K964886, Musculo-skeletal added via K960527

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

Concurrence of CDRH, Office of Device Evaluation (ODE)

Prescription User (Per 21 CFR 801.109)


 (Division Sign-Off)
 Division of Reproductive, Abdominal, ENT,
 and Radiological Devices
 510(k) Number K990226

Diagnostic Ultrasound Indications for Use Form
GE LOGIQ 700 with 739i 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)		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										
Musculo-skeletal Superficial										
Other (specify)										

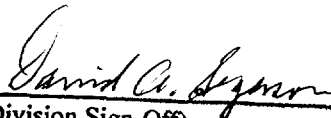
N= new indication; P= previously cleared by FDA; E= added under Appendix E

Additional Comments: Small organ includes breast, testes, thyroid. Combined modes are B/M, B/Color, B/PWD, B/Color/PWD Intraoperative includes abdominal organs. K964886

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

Concurrence of CDRH, Office of Device Evaluation (ODE)

Prescription User (Per 21 CFR 801.109)



 (Division Sign-Off)
 Division of Reproductive, Abdominal, ENT,
 and Radiological Devices
 510(k) Number K990226

Diagnostic Ultrasound Indications for Use Form
GE LOGIQ 700 with 739t 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)		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										
Musculo-skeletal Superficial										
Other (specify)										

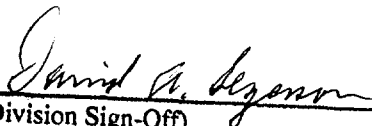
N= new indication; P= previously cleared by FDA; E= added under Appendix E

Additional Comments: Small organ includes breast, testes, thyroid. Combined modes are B/M, B/Color, B/PWD, B/Color/PWD Intraoperative includes abdominal organs. K964886

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

Concurrence of CDRH, Office of Device Evaluation (ODE)

Prescription User (Per 21 CFR 801.109)


 (Division Sign-Off)
 Division of Reproductive, Abdominal, ENT,
 and Radiological Devices
 510(k) Number K990226

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

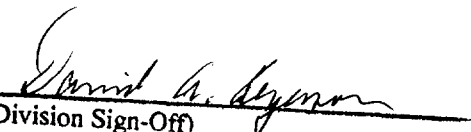
Additional Comments: Cardiac is Adult and Pediatric. Small organ includes breast, testes, thyroid.

Other includes urological. Combined modes are B/M, B/Color, B/PWD, B/Color/PWD

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

Concurrence of CDRH, Office of Device Evaluation (ODE)

Prescription User (Per 21 CFR 801.109)


 (Division Sign-Off)
 Division of Reproductive, Abdominal, ENT,
 and Radiological Devices
 510(k) Number R990226

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

Other includes urological. Combined modes are B/M, B/Color, B/PWD, B/Color/PWD K964617

Intraoperative includes abdominal organs. K964886

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

Concurrence of CDRH, Office of Device Evaluation (ODE)

Prescription User (Per 21 CFR 801.109)

David A. Segman
 (Division Sign-Off)
 Division of Reproductive, Abdominal, ENT,
 and Radiological Devices
 510(k) Number K990226

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

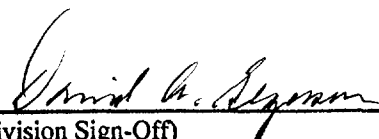
Additional Comments: Cardiac is Adult and Pediatric. Small organ includes breast, testes, thyroid.

Other includes urological. Combined modes are B/M, B/Color, B/PWD, B/Color/PWD K964617

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

Concurrence of CDRH, Office of Device Evaluation (ODE)

Prescription User (Per 21 CFR 801.109)


 (Division Sign-Off)
 Division of Reproductive, Abdominal, ENT,
 and Radiological Devices
 510(k) Number K990226

Diagnostic Ultrasound Indications for Use Form
GE LOGIQ 700 with 348c 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

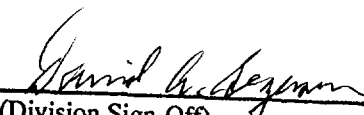
Additional Comments: Cardiac is Adult and Pediatric. Small organ includes breast, testes, thyroid.

Other includes urological. Combined modes are B/M, B/Color, B/PWD, B/Color/PWD K964617

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

Concurrence of CDRH, Office of Device Evaluation (ODE)

Prescription User (Per 21 CFR 801.109)


 (Division Sign-Off)
 Division of Reproductive, Abdominal, ENT,
 and Radiological Devices
 510(k) Number K990226

Diagnostic Ultrasound Indications for Use Form

GE LOGIQ 700 with 227s 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: Cardiac is Adult and Pediatric. Small organ includes breast, testes, thyroid.

Other includes urological. Combined modes are B/M, B/Color, B/PWD, B/Color/PWD K964617

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

Concurrence of CDRH, Office of Device Evaluation (ODE)

Prescription User (Per 21 CFR 801.109)

David A. Segman
 (Division Sign-Off)
 Division of Reproductive, Abdominal, ENT
 and Radiological Devices
 510(k) Number K990226

Diagnostic Ultrasound Indications for Use Form

GE LOGIQ 700 with 546L 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)		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: Cardiac is Adult and Pediatric. Small organ includes breast, testes, thyroid.

Other includes urological. Combined modes are B/M, B/Color, B/PWD, B/Color/PWD K964617

Musculo-skeletal added via K960527

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

Concurrence of CDRH, Office of Device Evaluation (ODE)

Prescription User (Per 21 CFR 801.109)

David A. Seymour
 (Division Sign-Off)
 Division of Reproductive, Abdominal, ENT,
 and Radiological Devices
 510(k) Number K990226

Diagnostic Ultrasound Indications for Use Form

GE LOGIQ 700 with LA39 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: Cardiac is Adult and Pediatric. Small organ includes breast, testes, thyroid.

Other includes urological. Combined modes are B/M, B/Color, B/PWD, B/Color/PWD K964617

Intraoperative includes abdominal organs. K964886, Musculo-skeletal added via K960527

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

Concurrence of CDRH, Office of Device Evaluation (ODE)

Prescription User (Per 21 CFR 801.109)

David G. Seymour
 (Division Sign-Off)
 Division of Reproductive, Abdominal, ENT,
 and Radiological Devices
 510(k) Number K990226

Diagnostic Ultrasound Indications for Use Form
GE LOGIQ 700 with M12L 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)		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: Cardiac is Adult and Pediatric. Small organ includes breast, testes, thyroid.

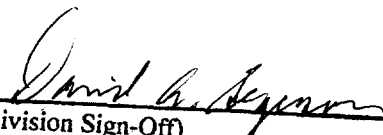
Other includes urological. Combined modes are B/M, B/Color, B/PWD, B/Color/PWD K964617

Musculo-skeletal added via K960527

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

Concurrence of CDRH, Office of Device Evaluation (ODE)

Prescription User (Per 21 CFR 801.109)


 (Division Sign-Off)
 Division of Reproductive, Abdominal, ENT,
 and Radiological Devices
 510(k) Number K990226

Diagnostic Ultrasound Indications for Use Form

GE LOGIQ 700 with M3c 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: Cardiac is Adult and Pediatric. Small organ includes breast, testes, thyroid.

Other includes urological. Combined modes are B/M, B/Color, B/PWD, B/Color/PWD K964617

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

Concurrence of CDRH, Office of Device Evaluation (ODE)

Prescription User (Per 21 CFR 801.109)

David A. Seymour
 (Division Sign-Off)
 Division of Reproductive, Abdominal, ENT
 and Radiological Devices
 510(k) Number K990224