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## 510(k) SUMMARY

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Submitter Information: TOTOKU ELECTRIC CO., LTD.  
300 Oya, Ueda  
Nagano 386-0192 Japan

Contact Person: Mikio Hasegawa, General Manager  
Email: hasegawam@totoku.co.jp  
Tel: +81.268.34.5469  
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Date Prepared: February 13, 2008

Device Name: 21.3 inch (53 cm) Monochrome Digital Mammography LCD Monitor  
MS51i2 (MDL2123A)

Common Name: MS51i2, MDL2123A

Classification Name: Class II  
(Part 892 Radiology Devices  
Sec. 892.2050 Picture Archiving and Communication System)

Predicate Device: 5M Monochrome Digital Mammography LCD Monitor ME551i2  
(MDL2116A) (K061447)

Device Description: MS51i2 (MDL2123A) is a 21.3-inch (53 cm) monochrome LCD  
monitor whose display resolution is 2048 x 7680 (landscape),  
7680 x 2048 (portrait) supporting DVI (digital visual interface).

Intended Use: 21.3 inch (53cm) Monochrome Digital Mammography 5M pixel  
LCD Monitor with sub-pixel driving techniques enabling 15M  
subpixels to be driven independently. MS51i2 (MDL2123A) is  
intended to be used in displaying and viewing medical images  
for diagnosis by trained medical practitioners. It is to be used in  
digital mammography PACS and modalities including FFDM.

Substantial Equivalence: MS51i2 (MDL2123A) shares the same characteristics with our  
predicate device ME551i2 (K061447) except for a newly-developed  
Independent Sub-pixel Drive (ISD), AR (Anti-Reflection) special  
coating panel and firmware to display driver by FPGA.



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

JUN 11 2008

Mr. Mikio Hasegawa  
General Manager  
TOTOKU Electric Co., Ltd.  
Intelligent Devices and Solutions Division  
300 Oya, Ueda, Nagano 386-0192  
JAPAN

Re: K081242

Trade/Device Name: 21.3 inch (53cm) Monochrome Digital Mammography LCD Monitor  
MS51i2 (MDL2123A)

Regulation Number: 21 CFR 892.2050

Regulation Name: Picture archiving and communications system

Regulatory Class: II

Product Code: LLZ

Dated: April 30, 2008

Received: May 1, 2008

Dear Mr. Hasegawa:

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.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), 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 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); 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.

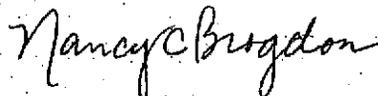
This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Center for Devices and Radiological Health's (CDRH's) Office of Compliance at one of the following numbers, based on the regulation number at the top of this letter.

21 CFR 876.xxxx	(Gastroenterology/Renal/Urology)	240-276-0115
21 CFR 884.xxxx	(Obstetrics/Gynecology)	240-276-0115
21 CFR 892.xxxx	(Radiology)	240-276-0120
Other		240-276-0100

Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR Part 807.97). For questions regarding postmarket surveillance, please contact CDRH's Office of Surveillance and Biometric's (OSB's) Division of Postmarket Surveillance at 240-276-3474. For questions regarding the reporting of device adverse events (Medical Device Reporting (MDR)), please contact the Division of Surveillance Systems at 240-276-3464. You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (240) 276-3150 or at its Internet address <http://www.fda.gov/cdrh/industry/support/index.html>.

Sincerely yours,



Nancy C. Brogdon  
Director, Division of Reproductive,  
Abdominal, and Radiological Devices  
Office of Device Evaluation  
Center for Devices and Radiological Health

Enclosure

# INDICATIONS FOR USE

510(k) Number: Not Known

Device Name: 21.3 inch (53cm) Monochrome Digital Mammography LCD Monitor MS51i2  
(MDL2123A)

Indications for Use:

21.3 inch (53cm) Monochrome Digital Mammography 5M pixel LCD Monitor with sub-pixel driving techniques enabling 15M subpixels to be driven independently. MS51i2 (MDL2123A) is intended to be used in displaying and viewing medical images for diagnosis by trained medical practitioners. It is to be used in digital mammography PACS and modalities including FFDM.

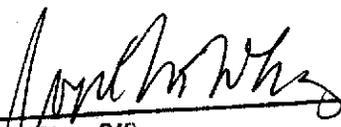
Prescription Use   X    
(Part 21 CFR 801 Subpart D)

AND/OR

Over-The-Counter Use \_\_\_\_\_  
(21 CFR 807 Subpart C)

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

Concurrence of CDRH, Office of Device Evaluation (ODE)

  
\_\_\_\_\_  
(Division Sign-Off)  
Division of Reproductive, Abdominal and  
Radiological Devices  
510(k) Number   K081242