



Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20856

JAN - 2 1998

Mr. Jacques P. Schwartz  
Vice President  
Hi-tronics Designs, Inc.  
58 Route 46 West  
Budd Lake, NJ 07828

Re: K973863  
Trade Name: MEMORYTRACE™ Model 4224 Ambulatory ECG  
Regulatory Class: II (two)  
Product Code: 74 DXH  
Dated: October 7, 1997  
Received: October 9, 1997

Dear Mr. Schwartz:

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 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.

If your device is classified (see above) into either class II (Special Controls) or class III (Pre-market 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 for Medical Devices: General (GMP) regulation (21 CFR Part 820) and that, through periodic GMP inspections, the Food and Drug Administration (FDA) will verify such assumptions. Failure to comply with the GMP regulation may result in regulatory action. In addition, FDA may publish further announcements concerning your device in the Federal Register. Please note: this response to your premarket notification submission does not affect any obligation you might have under sections 531 through 542 of the Act for devices under the Electronic Product Radiation Control provisions, or other Federal laws or regulations.

This letter will allow you to begin marketing your device as described in your 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 and additionally 809.10 for in vitro diagnostic devices), please contact the Office of Compliance at (301) 594-4648. 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 (301) 443-6597 or at its internet address "<http://www.fda.gov/cdrh/dsmamain.html>".

Sincerely yours,



Thomas J. Callahan, Ph.D.  
Director  
Division of Cardiovascular, Respiratory,  
and Neurological Devices  
Office of Device Evaluation  
Center for Devices  
and Radiological Health

Enclosure

# INDICATIONS FOR USE

**510(k) Number: K973863**

**Product Name: MEMORYTRACE™ Model 4224**

**Indications for use:** The MEMORYTRACE™ Model 4224 monitor is a patient-operated device designed to record and transmit a patient's ECG for the documentation of rhythm and/or rate disturbances. The recorded ECG data can be transmitted over a telephone to a standard ECG receiver. The ECG transmissions are intended as aids in evaluating symptomatic episodes of rate disturbances, post-myocardial infarction follow-ups, anti-arrhythmia therapy, and cases that require ST segment analysis. The intended population is from infants whose weight is greater than 10 kg (22 lbs) through geriatric patients with no upper limit.

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

Concurrence of CDRH, Office of Device Evaluation (ODE)

*Deborah Telli*

(Division Sign-Off)  
Division of Cardiovascular, Respiratory,  
and Neurological Devices

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Prescription Use   
(Per 21 CFR 801.109)

OR

*[Signature]*  
Over-The-Counter Use

(Optional Format 1-2-96)