DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

JUN 26 2002

Medical Research Laboratories, Inc.
c/o Mr. Joel Orlinsky
1000 Asbury Drive
Buffalo Grove, IL 60089

Re: K021168
Jump Start (Model 970300)
Regulation Number: 870.1025
Regulation Name: Automated External Defibrillator
Regulatory Class: III (three)
Product Code: 74 MKJ
Dated: April 10, 2002
Received: April 11, 2002

Dear Mr. Orlinsky:

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 and additionally 21 CFR Part 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" (21CFR Part 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address http://www.fda.gov/cdrh/dsma/dsmamain.html

Sincerely yours,

Donna-Bea Tillman, Ph.D.
Acting Director
Division of Cardiovascular and
Respiratory Devices
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosure

Attachment III

.510(k) Number (if Known): K021168

Device Name: JUMP START

Indications For Use:

The JUMP START is intended to be used to treat patients in cardiopulmonary arrest. It is intended for use in either in-hospital or out-of-hospital arrests.

It is intended for use by personnel who are authorized by a physician/medical director, and who have the following training and skills:

- American Heart Association Heartsaver course, American Red Cross CPR / AED course, or equivalent
- Training in the use of the MRL JUMP START

It should only be used on patients who are unconscious, pulseless, and not breathing spontaneously. The biphasic waveform employed by the JUMP START has not been clinically tested on pediatric patients The device has not been evaluated for cardioversion of atrial fibrillation or direct (internal) cardiac defibrillation. It should not be used on pediatric patients less than 8 years old.

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

Concurrence of CDRH, Office of Device Evaluation (ODR)

Division of Cardiovascular & Respiratory Devices
510(k) Number K021168

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Prescription Use ✓ OR Over-The-Counter Use____
(Per 21 CFR 801.109

(Optional Format 1-2-96)