K003631

AUG 1 0 2001

Attachment A
510(k) Summary of Safety and Effectiveness

Date Prepared:	November 16, 2000
Submitter:	Newwave Medical, LLC 620 Haggard ST. STE 614 Plano, TX 75074 (972) 516-8383
Contact Person:	Robert Armstrong
Trade (Proprietary) Name:	Smartwave IF 2000
Common/Classification Name:	Powered Muscle Stimulator
Device Classification:	Class II
Predicate Device:	BioMedical Life Systems, Inc. (K932916)
Description of Device:	The Smartwave IF 2000 Interferential Stimulator is a Sine wave generator designed for neuromuscular electrical stimulation (NMES). The IF 2000 stimulates neuromuscular tissues through cutaneous electrodes connected by leadwires to the generator.
Statement of Intended Use:	Relaxation of muscle spasms. Prevention or retardation of disuse atrophy. Increasing local blood circulation. Muscle re-education. Immediate post surgical stimulation of calf muscles to prevent venous thrombosis. Maintaining or increasing range of motion.
Technological Characteristics:	The new device has the same technological characteristics as the predicate device. See table 1 (next page) for a summary of the technological characteristics of the new device in comparison to those of the predicate device.

DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

AUG 1 0 2001

Mr. Robert Armstrong
Newwave Medical, LLC
620 Haggard Street
Suite 614
Plano, Texas 75074

Re: K003631
Trade Name: Smartwave IF 2000
Regulatory Class: Unclassified
Product Code: LIH
Dated: May 10, 2001
Received: May 14, 2001

Dear Mr. Armstrong:

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 (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 current Good Manufacturing Practice requirement, as set forth in the Quality System Regulation (QS) for Medical Devices: General regulation (21 CFR Part 820) and that, through periodic (QS) 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) 594-4659. 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 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/dsmamain.html".

Sincerely yours,

for Mark N Melkerson

Celia M. Witten, Ph.D., M.D.
Director
Division of General, Restorative
and Neurological Devices
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosure

510(k) Number (if known): K003631

Device Name: IF 2000

Indications For Use:

Adjunctive therapy in the treatment of chronic and intractable pain.

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

Concurrence of CDRH, Office of Device Evaluation (ODE)

for Mark N Milhorn

(Division Sign-Off)
Division of General, Restorative and Neurological Devices

510(k) Number K003631

(Optional Format 3-10-98)