L13/992

Micro Therapeutics, Inc. Special 510(k) (modification to K030688) Echelon™ Micro Catheter June 26, 2003

AUG - 7 2003

4. 510(k) Summary

TRADE NAME GENERIC NAME **CLASSIFICATION** EchelonTM Micro Catheter

Catheter, Continuous Flush

Class II (21 CFR 870.1210) and Class II (21 CFR 870.4450)

SUBMITTED BY

Micro Therapeutics, Inc.

Marilyn R. Pourazar Regulatory Affairs

2 Goodyear Irvine, CA 92618

(949) 837-3700

PREDICATE DEVICE(S)

MTI Echelon™ Micro Catheter (K030688)

DEVICE DESCRIPTION The MTI Echelon™ Micro Catheter is an end-hole, single-lumen catheter designed to be introduced over a steerable guidewire into the vasculature. The catheter has a semi-rigid proximal shaft which transitions into the flexible distal shaft to facilitate the advancement of the catheter in the anatomy. Dual radiopaque markers at the distal end facilitate fluoroscopic visualization. The outer surface of the

catheter is coated to increase lubricity.

INDICATIONS **FOR USE**

The Echelon ™ Micro Catheter is intended to access peripheral and neuro vasculature for the controlled selective infusion of physicianspecified therapeutic agents such as embolization materials and of diagnostic materials such as contrast media.

This is the same intended use as predicate device Echelon Micro Catheter K030688.

TESTING

In-vitro performance testing of the MTI Echelon™ Micro Catheter included dimensional inspection, tensile strength tests, burst pressure tests, flow rate tests, torque tests and performance under simulated conditions.

The biocompatibility of the MTI Echelon™ Micro Catheter was verified in accordance with ISO 10993-1, Biological Evaluation of Medical Devices. Test results confirmed biocompatibility of the catheter was tested as an external communicating, blood contact, limited exposure (<24 hrs) device.

SUMMARY OF SUBSTANTIAL **EQUIVALENCE** The MTI EchelonTM Micro Catheter is substantially equivalent to the predicate devices in intended use and principles of operation.



Food and Drug Administration 9200 Corporate Boulevard Rockville MD 20850

AUG - 7 2003

Micro Therapeutics, Inc. c/o Ms. Marilyn Pourazar Manager of Regulatory Affairs 2 Goodyear Irvine, CA 92618

Re:

K031992

EchelonTM Micro Catheter

Regulation Number: 21 CFR 870.1210

Regulation Name: Catheter, Continuous Flush

Regulatory Class: Class II (two)

Product Code: KRA Dated: June 26, 2003 Received: June 27, 2003

Dear Ms. Pourazar:

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 <u>Federal Register</u>.

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

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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 Office of Compliance at (301) 594-4646. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR Part 807.97). 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 (301) 443-6597 or at its Internet address http://www.fda.gov/cdrh/dsma/dsmamain.html

Sincerely yours,

Bram D. Zuckerman, M.D.

Director

Division of Cardiovascular Devices

Office of Device Evaluation

Center for Devices and

Radiological Health

Enclosure

Micro Therapeutics, Inc.
Special 510(k) (modification to K030688)
Echelon™ Micro Catheter
June 26, 2003

6. Indications for Use Statement

510(k) Number (if known)	: 63/992	
Device Name:	MTI Echelon™ Micro Cath	eter
vasculature for the controlle		ed to access peripheral and neuro an-specified therapeutic agents such as s contrast media.
NEEDED)	TE BELOW THIS LINE-CO	ONTINUE ON ANOTHER PAGE IF
Prescription Use		Over the Counter Use
	(Division Sign-Off) Division of Cardiova 510(k) Number	scular Devices 03992