

AUG 13 2003

K031616  
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**510(K) SUMMARY**  
**IUR Fluid Management System**

**I. Applicant:**

W.O.M. WORLD OF MEDICINE AG  
Alte Poststraße 11  
96337 Ludwigsstadt  
Germany

**II. Device Names:**

1. Classification Name: Hysteroscopic Insufflator and Accessories
2. Common or Usual Name: Hysteroscopic Insufflator, Fluid Monitoring System and Tubing Sets
3. Proprietary Name: IUR Fluid Management System

**III. Classification:**

Class II. This device is described in 21 C.F.R. § 884.1700. The product code for the device is HIG.

**IV. Predicate Devices:**

- **Hysteroscopy Pump HM4** (K022449) manufactured by W.O.M. WORLD OF MEDICINE AG
- **Flo-Stat Fluid Monitoring System** (K954775) manufactured by Gynecare Innovation Center.

**V. Intended Use:**

The IUR Fluid Management System is a system intended to provide liquid distension of the uterus for diagnostic and operative hysteroscopy, and to monitor the volume differential between the irrigation fluid flowing into and out of the uterus.

**VI. Device Description:**

The IUR Fluid Management System consists of a microprocessor controlled pump intended to distend the uterus and a monitoring unit designed to monitor the irrigation fluid losses during hysteroscopic procedures.

The pump unit functions according to the peristaltic principle. It consists of a power supply, main cable, a roller wheel, a pump head, various setting keys and display elements. The pump head is designed with two pressure sensors to

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perform redundant pressure measurement. A software controlled active pressure reduction ensures the conformity of the preset nominal pressure value with the actual measured pressure. The pump unit is designed with several alarms to inform the operator in case of an overpressure. The fluid monitoring unit operates with a volume differential measurement to determine the fluid losses remained in the patient. It consists of the following components: display unit, bag holder, bag deflector, carrier plate for the pump unit, scale pole, unit stands pole, weighting unit, container holder, roller base and load controller. The deficit threshold alarm level can be selected by the operator in the range of 0 –2000 ml.

The IUR Fluid Management System is only functional if the monitoring unit is connected to the pump unit and a specific resectoscope is attached.

**VII. Substantial Equivalence:**

The IUR Fluid Management System described in this notification is similar in design and technological characteristics to the **Hysteroscopy Pump HM4** (K022449) manufactured by W.O.M. WORLD OF MEDICINE AG and to the **Flo-Stat Fluid Monitoring System** (K954775) manufactured by Gynecare Innovation Center.

In addition, both the IUR Fluid Management System and the predicate devices are intended to provide liquid distension of the uterus for diagnostic and operative hysteroscopy, and/or to monitor the volume differential between the irrigation fluid flowing into and out of the uterus.

The differences between the IUR Fluid Management System and the predicate devices are minor and raise no new questions of safety and effectiveness.

Accordingly, W.O.M. WORLD OF MEDICINE AG believes that the IUR Fluid Management System is substantially equivalent to the predicate devices currently on the market.

**VIII. Performance Data:**

The device complies with the International Standard IEC 60601-1 (Electrical Safety) and IEC 60601-1-2 (Electromagnetic Compatibility).

Signed:



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Susanne Raab  
Official Correspondent



AUG 13 2003

Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

W.O.M. World of Medicine  
% Ms. Susanne Raab  
Official Correspondent  
320 North Columbus Street  
ALEXANDRIA VA 22314

Re: K031616  
Trade/Device Name: IUR Fluid Management System  
Hysteroscopy Pump HM4  
Regulation Number: 21 CFR 884.1700  
Regulation Name: Hysteroscopy insufflator  
Regulatory Class: II  
Product Code: 85 HIG  
Dated: May 7, 2003  
Received: July 14, 2003

Dear Ms. Raab:

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 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.

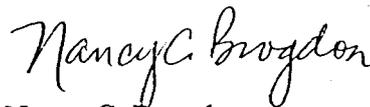
This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to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

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Office of Compliance at one of the following numbers, based on the regulation number at the top of the letter:

8xx.1xxx	(301) 594-4591
876.2xxx, 3xxx, 4xxx, 5xxx	(301) 594-4616
884.2xxx, 3xxx, 4xxx, 5xxx, 6xxx	(301) 594-4616
892.2xxx, 3xxx, 4xxx, 5xxx	(301) 594-4654
Other	(301) 594-4692

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) you may obtain. 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,



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

Enclosure

INDICATION FOR USE STATEMENT

510(k) Number (if known): K031616

Device Name: IUR Fluid Management System

Indications for Use:

The IUR Fluid Management System is a device intended to provide liquid distension of the uterus for diagnostic and operative hysteroscopy, and to monitor the volume differential between the irrigation fluid flowing into and out of the uterus.

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NEEDED)

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Concurrence of CDRH, Office of Device Evaluation (ODE)

Prescription Use    
Use \_\_\_\_\_ (Per 21 C.F.R. 801.109)

OR

Over-The-Counter

Nancy Brogdon  
(Division Sign-Off)  
Division of Reproductive, Abdominal,  
and Radiological Devices  
510(k) Number K031616

(Optional Format 3-10-98)