Summary

This summary of 510(k)-safety and effectiveness information is being submitted in accordance with the requirements of 21 CFR § 807.92.

1. **Company making the submission:**

Name:	GISH Biomedical, Inc. A member of the MEDOS group
Address:	22942 Arroyo Vista Rancho Santa Margarita, CA 92688-2600
Telephone:	949-635-6200 voice 949-635-6299 fax
Contact:	janetp@gishbiomedical.com Janet Peets Regulatory & Clinical Affairs

2. **Device:**

Proprietary Name:	MEDOS HILITE MVC 0730 Hardshell Venous Reservoir
Common Name:	Cardiopulmonary Blood Reservoir
Classification Name:	Extracorpeal Circuit Blood Defoamer
	Cardiopulmonary Bypass Blood Reservoir

3. **Predicate Devices:**
CAPIOX® RX05 Hollow Fiber Oxygenator with Hardshell Reservoir, K022115, manufactured by Terumo Cardiovascular Systems Corporation.

4. **Classifications Names & Citations:**
21 CFR 870.4230, 21 CFR 870.4400, Extracorpeal circuit blood defoamers, Cardiopulmonary bypass blood reservoir, Cardiopulmonary Bypass, Class II, DTN, Cardiovascular.

5. **Description:**
The MEDOS HILITE MVC 0730 Hardshell Venous Reservoirs are sterile, non-pyrogenic, single use, disposable, device designed for collection, storage and filtration of blood during cardiopulmonary bypass. The MEDOS HILITE MVC 0730 has a clear polycarbonate shell and an internal defoamer filter cartridge. Venous drainage enters the 1/4" venous inlet at the bottom section of the reservoir. Venous suctioned blood enters the top section of the defoamer/filter cartridge and passed through a defoamer sponge and 30 micron filter. The maximum venous flow rate is 1.2 lpm. The maximum cardiotomy flow rate is 0.9 lpm.

6. **Indications for use:**
The MEDOS HILITE MVC 0730 Hardshell Venous Reservoir is indicated for use during cardiopulmonary bypass surgery as a storage reservoir for gravity and augmented venous return blood and to filter and defoam intrathoracic suctioned blood prior to its return to the extracorporeal circuit. The MVC 0730 is a neonate, infant reservoir intended for use in procedures at a maximum flow rate of 1.2 liters per minute for periods up to six hours (6.0) hours.

7. **Contra-indications:**
No contra-indications have been noted.

8. **Comparison:**
The MEDOS HILITE MVC 0730 Hardshell Venous Reservoir has the same device characteristics as the predicate device.

9. **Test Data:**
The MEDOS HILITE MVC 0730 Hardshell Venous Reservoir has been subjected to extensive safety, performance, and validations prior to release. Final testing for the system includes various performance tests designed to ensure that the device meets all of its functional requirements and performance specifications. Safety tests have further been performed to ensure the device complies with applicable industry and safety standards.

10. **Literature Review:**
A review of literature pertaining to the safety and effectiveness has been conducted. Appropriate safeguards have been incorporated in the design of MEDOS HILITE MVC 0730 Hardshell Venous Reservoir.

11. **Conclusions:**
Based upon the testing and comparison to the predicate device, the MEDOS HILITE MVC 0730 Hardshell Venous Reservoir has the same intended use, with similar technological characteristics. MEDOS Medizintechnik AG therefore posits that its device is equivalent in safety and effectiveness to predicate devices.

DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
10903 New Hampshire Avenue
Document Control Room –WO66-0609
Silver Spring, MD 20993-0002

AUG 0 4 2009

GISH Biomedical, Inc.
c/o Ms. Janet Peets
Regulatory and Clinical Affairs
22942 Arroyo Vista
Rancho Santa Margarita, CA 92688-2600
Lansing, MI 48917

Re: K091062
Medos Hilite MVC 0730 Reservoir
Regulation Number: 21 CFR 870.4400
Regulation Name: Cardiopulmonary Bypass Blood Reservoir
Regulatory Class: Class II (two)
Product Code: DTN
Dated: June 24, 2009
Received: June 25, 2009

Dear Ms. Peets:

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), please contact the Office of Compliance at (240) 276-0120. 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 from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (240) 276-3150 or at its Internet address http://www.fda.gov/cdrh/industry/support/index.html.

Sincerely yours,

Donna R. Zuckerman

Bram D. Zuckerman, M.D.
Director
Division of Cardiovascular Devices
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosure

510(k) Number K091062

Device Name: MEDOS HILITE MVC 0730 Reservoir

Indications for use:
The MEDOS HILITE MVC 0730 Hardshell Venous Reservoir is indicated for use during cardiopulmonary bypass surgery as a storage reservoir for gravity and augmented venous return blood and to filter and defoam intrathoracic suctioned blood prior to its return to the extracorporeal circuit. The MVC 0730 is a neonate, infant reservoir intended for use in procedures at a maximum flow rate of 1.2 liters per minute for periods up to six hours (6.0) hours.

Prescription Device:

Federal Law (US) restricts this device to sale by or on the order of a physician.

Prescription Use : Yes OR Over-The-Counter Use: No

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

Concurrence of CDRH, Office of Device Evaluation (ODE)

Donna R. Vochner

(Division Sign-Off)
Division of Cardiovascular Devices

510(k) Number K091062