

**Section 5: 510(k) Summary****1.0 Submitted By:**

SEP 24 2007

Dave Fliss, President  
Welmed, Inc.  
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**2.0 Date Submitted:**

February 8, 2007

**3.0 Device Name(s):****3.1 Proprietary Names**

Welmed, Inc. Surgical Drapes

**3.2 Classification Name**

21CFR 878.4370 (Surgical Drapes)

Product code - KRX (Surgical drape and drape accessories)

4.0 **Predicate Devices:**

Candidate	Predicate	Manufacturer	Docket Number
Welmed Surgical Drapes	IMC Surgical Drapes	International Medsurg Connections, Inc.	K052169

5.0 **Intended Uses:****Surgical Drapes:**

Disposable sterile drapes are used in the operating room as a protective covering, for both patient and operating room staff, from the transfer of body fluids, micro-organisms and particulates.

Drapes provided as sterile and non-sterile.

Non-sterile surgical drapes are to be sold to OEMs for EtO sterilization according to ISO 11135. Sterile Surgical Drapes are to be sold directly to users after EtO sterilization validation to ISO 11135.

6.0 **Comparison to Predicate(s):**

The following table shows similarities and differences between the predicate identified in Section 4.0 of this summary.

## Similarities to the Predicates

Product	Aspect/Characteristic	Comments
Welmed Surgical Drapes	Basic Intended Use	Same as IMC Surgical Drapes
	Materials Used	
	Configurations/Design	

There are no significant differences between the Welmed drapes and their respective predicate product.

7.0 **Summary of Performance Data:**

The information in the Premarket Notification on safety and effectiveness supports a finding of substantial equivalence to devices already in commercial distribution. Equivalence is demonstrated through intended use, materials, design and testing methods.

## Test Data Provided in this Submission

Standard or Guidance Document	Data Generated	Relevant Section of Submission
AATCC Test Method 127-1998 Water Resistance: Hydrostatic Pressure Test	Hydrostatic Pressure - Water Resistance	18
AATCC Test Method 42-2000 Water Resistance: Impact Penetration Test	Impact Penetration - Water Resistance	18
ASTM - D5034-95(2001) Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test)	Tensile Strength	18
ASTM - D5734-95(2001) Standard Test Method for Tearing Strength of Nonwoven Fabrics by Falling-Pendulum (Elmendorf) Apparatus	Elmendorf Tear	18
ISO 9073-10:2003 - Textiles -- Test methods for nonwovens -- Part 10: Lint and other particles generation in the dry state	Gelbo Flex - Lint	18
CPSC CS-191-53 Flammability Test Method (16 CFR 1610) Standard for Flammability of Clothing Textiles	Flammability	18
AAMI / ANSI / ISO 10993-1:2003(E), Biological evaluation of medical devices -- Part 1: Evaluation and testing	Biocompatibility Testing Evaluation	15
AAMI / ANSI / ISO 10993-5:1999, Biological evaluation of medical devices -- Part 5: Tests for In Vitro cytotoxicity	Cytotoxicity	15
AAMI / ANSI / ISO 10993-10:2002(E), Biological evaluation of medical devices -- Part 10: Tests for irritation and sensitization	Skin Irritation, intra-cutaneous reactivity & sensitization	15



Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

SEP 24 2007

Welmed, Incorporated  
C/O Mr. Glen Feye  
President  
Accurate Consultants, Incorporated  
1340 West Pennsylvania Avenue  
San Diego, California 92103

Re: K070432  
Trade/Device Name: General Surgical Drapes Sterile and Non-Sterile  
Regulation Number: 878.4370  
Regulation Name: Surgical Drape and Drape Accessories  
Regulatory Class: II  
Product Code: KXX  
Dated: September 4, 2007  
Received: September 4, 2007

Dear Mr. Feye:

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) 276-0115. 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 (301) 443-6597 or at its Internet address <http://www.fda.gov/cdrh/industry/support/index.html>.

Sincerely yours,



Chiu Lin, Ph.D.

Director

Division of Anesthesiology, General Hospital,

Infection Control and Dental Devices

Office of Device Evaluation

Center for Devices and

Radiological Health

Enclosure

**Section 4: Indications for Use Statements**

**Indications for Use**

510(k) Number (if known): K070432

Device Name: **Welmed Surgical Drapes**

Indications for Use:

Disposable sterile drapes are used in the operating room as a protective covering, for both patient and operating room staff, from the transfer of body fluids, micro-organisms and particulates.

Drapes provided as sterile and non-sterile.

Non-sterile surgical drapes are to be sold to OEMs for EtO sterilization according to ISO 11135. Sterile Surgical Drapes are to be sold directly to users after EtO sterilization validation to ISO 11135.

Prescription Use \_\_\_\_\_  
(Part 21 CFR 801 Subpart D)

AND/OR

Over-The-Counter Use X  
(21 CFR 807 Subpart C)

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

Concurrence of CDRH, Office of Device Evaluation (ODE)



(Division Sign-Off)  
Division of Anesthesiology, General Hospital,  
Infection Control, Dental Devices

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**Welmed Item #****Drapes****K070432****Flat/Basic Drapes:**

1220-100	Drape Sheet 40" x 57"
1220-110	Half Drape 40" x 70"
1220-120	Medium 3/4 Drape 53" x 77" - opens 77" first
1220-120FF	Medium 3/4 Drape 53" x 77" - Fan-Folded - opens 53" first
1220-125	Medium 3/4 Drape 53" x 77" - Reinforced - opens 53" first
1220-130	Large Drape 70" x 100"
1220-160	Leggings - SIV11VIS
1220-163	Clear Leggings
1220-170	Utility Drape w/tape 14x26
1220-175	Utility Drape w/tape 20x30
1220-178	Abdominal Drape, with Tape,

**General Surgery Drapes:**

1220-183	Top Drape 100" x 53"
1220-181	Bottom Drape 75" x 53"
1220-182	Side Drape 38" x 77"

**Laparoscopic Drapes:**

1220-2110	Laparotomy Drape, 100"x77"x122", 4x12" Fenestration
1220-2120	Laparotomy Drape, 100"x77"x122", w/two 8"x38" Troughs
1220-2125	Pediatric Laparotomy Drape 77" x 121", 14"x4" Fenestration
1220-2130	Transverse Lap Drape, 100"x77"x119", 14"x4" Fenestration, with/ABC

**Laparotomy Drapes:**

1220-2160	Laparoscopic/Cholecystectomy Drape 100"x77"x124"
1220-2170	Laparoscopic/Cholecystectomy/Endo Drape 98"x77"x123"
1220-2180	Laparoscopic Abdominal Drape, 100"x76"x124", 1 2x13" Fenestration
1220-2190	Laparoscopy T w/ABC & Fenestration, 97"x38"x97"

**Breast/Chest Drapes:**

1220-2152	Chest / Breast Drape 100"x77"x122"
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**Thyroid Drapes:**

1220-2140	Thyroid Drape 77"x124" 5"x5" Diamond Fenestration
1220-2141	Thyroid Drape 100"x77"x124" 5"x5" Diamond Fenestration

**Split Drapes:**

1220-1900	Poly U Drape, 60" x 60", 6" x 21" Slit
1220-1910	Poly U Drape, 60" x 72", 6" x 21" Slit
1220-1920	Poly U Drape 60" x 70", 21" x 4" Slit
1220-1905	Poly U Drape, 60" x 84", 8" x 30" Slit
1220-1925	Poly U Drape 60" x 81", 31" x 4.5" Slit
1220-19227	DRAPE U 80"x110" PE W/GROIN COVERS
1220-19228	DRAPE U 80"x110" W/TAPE PE
1220-19229	DRAPE U 77"x110" W/TAPE Sontara
1220-1950	Split Drape 77"x108", 37"x2.5" Split
1220-1960	Ortho Split Drape 77"x120", 46"x6" split
1220-5000	Cysto Drape 64"x38"x90", w/3"x6" Fenestration
1220-6000	EENT Drape

**Orthopedic Drapes****Extremity Drapes**

1220-8410	Universal Extremity Drape 86"x127"
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