



MAR 07 2003

K030551

**510(k) Summary**

**ArthroCare Corporation  
ArthroCare ArthroWands**

**General Information**

**Submitter Name/Address:** ArthroCare Corporation  
680 Vaqueros Avenue  
Sunnyvale, CA 94085-2936

**Establishment Registration Number:** 2951580

**Contact Person:** Valerie Defiesta-Ng  
Director, Regulatory Affairs

**Date Prepared:** February 20, 2003

**Device Description**

**Trade Name:** ArthroCare® ArthroWands®

**Generic/Common Name:** Electrosurgical Device and Accessories

**Classification Name:** Electrosurgical Cutting and Coagulation  
Device and Accessories (21 CFR  
878.4400)

**Predicate Devices**

ArthroCare ArthroWands K020557

**Product Description**

The ArthroCare ArthroWands are bipolar, single use, high frequency electrosurgical devices designed for specific indications in arthroscopic and orthopedic procedures.

**Intended Use**

The ArthroCare ArthroWands are indicated for resection, ablation, and coagulation of soft tissue and hemostasis of blood vessels in arthroscopic and orthopedic procedures:

Arthroscopic and Orthopedic Procedures	Joint Specific or All Joints (ankle, elbow, hip, knee, shoulder, and wrist)
<b><i>Ablation and Debridement</i></b>	
• ACL/PCL	Knee
• Acromioplasty	Shoulder
• Articular Cartilage	All Joints
• Bursectomy	All Joints
• Chondroplasty	All Joints
• Facia	All Joints
• Ligament	All Joints
• Notchplasty	Knee
• Scar Tissue	All Joints
• Soft Tissue	All Joints
• Subacromial Decompression	Shoulder
• Synovectomy	All Joints
• Tendon	All Joints
<b><i>Excision and Resection</i></b>	
• Acetabular Labrum	Hip
• Articular Labrum	All Joints
• Capsule	All Joints
• Capsular Release	Knee
• Cartilage Flaps	Knee
• Cysts	All Joints
• Discoid Meniscus	Knee
• Frozen Shoulder Release	Shoulder
• Glenoidale Labrum	Shoulder
• Lateral Release	Knee
• Ligament	All Joints
• Loose Bodies	All Joints
• Meniscal Cystectomy	Knee
• Meniscectomy	Knee
• Plica Removal	All Joints
• Scar Tissue	All Joints
• Soft Tissue	All Joints
• Synovial Membrane	All Joints
• Tendon	All Joints
• Triangular Fibrocartilage (TFCC)	Wrist
• Villusectomy	Knee

Continued

Arthroscopic and Orthopedic Procedures	Joint Specific or All Joints (ankle, elbow, hip, knee, shoulder, and wrist)
<b>Coagulation</b>	
• ACL/PCL	Knee
• Articular Cartilage	All Joints
• Carpal Ligaments	Wrist
• Glenohumeral Capsule	Shoulder
• Ligament	All Joints
• Medial Retinaculum	Knee
• Rotator Cuff	Shoulder
• Tendon	All Joints
• Wrist Tendons	Wrist

**Substantial Equivalence**

This Special 510(k) proposes modifications in dimensional specifications, materials, and labeling for the ArthroCare ArthroWands, which were previously cleared under K020557 on March 21, 2002. The indications for use, technology, principle of operation, performance specifications, materials, and sterilization parameters of the ArthroWands remain the same as in the predicate cleared 510(k).

**Summary of Safety and Effectiveness**

The modified ArthroWands, as described in this submission, are substantially equivalent to the predicate ArthroWands. The proposed modification in dimensional specifications, materials, and labeling are not substantial changes or modifications, and do not significantly affect the safety or efficacy of the devices.



Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

ArthroCare Corporation  
Valerie Defiesta-Ng  
Director, Regulatory Affairs  
680 Vaqueros Avenue  
Sunnyvale, California 94085-2936

MAR 07 2003

Re: K030551

Trade/Device Name: ArthroCare® ArthroWands®  
Regulation Number: 878.4400  
Regulation Name: Electrosurgical cutting and coagulation device and accessories  
Regulatory Class: Class II  
Product Code: GEI  
Dated: February 20, 2003  
Received: February 21, 2003

Dear Ms. Defiesta-Ng:

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

Page 2 – Ms. Valerie Defiesta-Ng

(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) 594-4659. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 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/dsma/dsmamain.html>

Sincerely yours,

*Miriam C. Provost*  
for 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

## Indications for Use Statement

Device Name: ArthroCare ArthroWands

510(k) Number: K 030551

Indications for use:

The ArthroCare ArthroWands are indicated for resection, ablation, and coagulation of soft tissue and hemostasis of blood vessels in arthroscopic and orthopedic procedures:

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• Frozen Shoulder Release	Shoulder
• Glenoidale Labrum	Shoulder
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• Ligament	All Joints
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• Meniscectomy	Knee

Continued

Arthroscopic and Orthopedic Procedures	Joint Specific or All Joints (ankle, elbow, hip, knee, shoulder, and wrist)
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• Rotator Cuff	Shoulder
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• Wrist Tendons	Wrist

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

Concurrence of CDRH, Office of Device Evaluation (ODE)

Prescription Use

**X**

OR

Over-the-Counter  
Use

(Per 21 CFR  
801.109)

*Miriam C. Provost*  
 (Division Sign-Off)  
 Division of General, Restorative  
 and Neurological Devices

510(k) Number K630551