K021351 page 1 of 2

510(K) Summary

OCT 17 2002

Submitter

Name:	Biocomposites Ltd
Address:	Etruscan Street Etruria Stoke on Trent ST1 5PQ England
Tel No:	+44 (0) 1782 206500
Contact:	Mr J. S. Bratt
Date:	25th April 2002

Name of Device

Classification Name:	Pin, Fixation, Smooth, Non-Metallic
Common Name:	A device for holding soft tissue in apposition
Proprietary Name:	Biosteon Cross Pin

Predicate Device

Arthrex Bio Transfix cross pin K011172
Biosteon Screw K003641

Device Function

To hold a soft tissue graft in position during healing in the femoral bone tunnel.

Device Design

The cannulated Cross Pins are 40-60mm long by 6-9mm diameter with a conical tip 10mm long.

Materials Used

The Cross Pin is moulded from a Poly L lactide/hydroxyapatite composite.

Intended Use

To hold a Semi Tendonosus ST or hamstring (soft tissue) graft in place in the femoral tunnel during the healing period following ACL reconstructive surgery.

Substantial Equivalence

The material of construction and methods of manufacture, packaging and sterilization of the Biosteon Cross Pin are identical to the previously cleared Biosteon Screw K003641.

The function and indications for use of the Biosteon Cross Pin are the same as for the Arthrex Bio Transfix Cross Pin K011172.

The functional mechanical performance characteristics of the Biosteon Cross Pin are equivalent to those of the Arthrex Bio Transfix Cross Pin. Any differences between the Biosteon Cross Pin and the predicate devices do not raise any new questions regarding safety and effectiveness.

Indications for use

Surgical reconstruction of anterior cruciate ligament (ACL) deficient knee to provide cross pin femoral fixation of the various soft tissue ACL autografts and allografts.

DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

OCT 17 2002

Mr. J. Stephen Bratt
Managing Director
Biocomposites Ltd.
Etruscan Street, Etruria, Stoke-on-Trent
Staffordshire, ST1 5PQ, England

Re: K021351
Trade/Device Name: Biosteon® Cross Pin
Regulation Number: 21 CFR 888.3040
Regulation Name: Smooth or Threaded Metallic Bone Fixation Fastener
Regulatory Class: Class II
Product Code: HWC
Dated: July 26, 2002
Received: July 29, 2002

Dear Mr. Bratt:

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 and additionally 21 CFR Part 809.10 for in vitro diagnostic devices), please contact the Office of Compliance at (301) 594-4659. 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). 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,

for Mark N Melkerson

Celia M. Witten, Ph.D., M.D.
Director
Division of General and
Restorative Devices
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosure

K021351

Biosteon® Cross Pin

Indications For Use

The Biosteon® cross pin is indicated for use in anterior cruciate ligament (ACL) reconstruction procedures.

The Biosteon® cross pin is used to provide suspension fixation during femoral fixation in ACL reconstruction using a soft tissue graft (semi-tendonosis gracilis).

for Mark N Milhern

(Division Sign-Off)
Division of General, Restorative
and Neurological Devices

510(k) Number K021351