

K983757

510(k) Summary of Safety and effectiveness

- **Sponsor:** Syntec-Taichung Medical Instruments Co., Ltd.
2, Kung San Road, Chuan Shing Industrial Zone, Shen Kang,
Chang Hua, Taiwan. 509
Phone / FAX: 886-4-7987099 / 886-4-7987077
Contact Person: Ted Y. Shi
- **Proprietary Name :** Syntec-Taichung Non-sterile Knowles Pin
- **Common Name :** Bone Fixation Pin
- **Classification Status :** Class II, CFR 888.3040
- **Device Product Code :** 87 JDW
- **Material:** This device is manufactured from commercially 316 LS stainless steel.
- **Indication for Use :**

The Knowles Pin is provided non-sterile. The device may be used for bone reconstruction, for reducible intracapsular fracture of the femoral neck and to moderate slipped upper femoral epiphyses.
- **Description of the Device :**

The Knowles Pin is partially threaded wires machined with a trocar point. The threads engage in cancellous and subchondral bone of the femoral head. The distal portion of the pin is broken off at the scored line following fracture fixation.

The Knowles Pin is divided two kinds of styles: square and hexagonal collar. The standard Knowles Pin is a hexagonal collar, a thread length ranges from 1.25 inches (32 mm) to 3 inches (76 mm), and a thread diameter of 4.0 and 4.8 mm. Another pin has a square collar, both a thread length and thread diameter is the same as hexagonal collar.



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

DEC 4 1998

Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

Mr. Ted Y. Shi
President
Syntec-Taichung Medical Instruments Company Limited
2, Kung San Road, Chaun Shing
Industrial Zone, Shen Kang
Chang Hua, Taiwan 509

Re: K983757
Syntec-Taichung Non-sterile Knowles Pin
Regulatory Class: II
Product Code: JDW
Dated: October 19, 1998
Received: October 23, 1998

Dear Mr. Shi:

We have reviewed your Section 510(k) notification of intent to market the device referenced above and we have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to 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). 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.

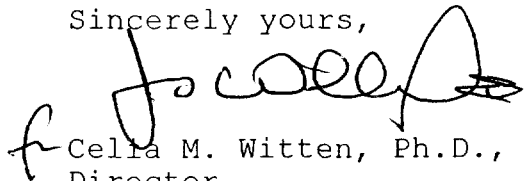
If your device is classified (see above) into either class II (Special Controls) or class III (Premarket Approval), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 895. A substantially equivalent determination assumes compliance with the current Good Manufacturing Practice requirement, as set forth in the Quality System Regulation (QS) for Medical Devices: General regulation (21 CFR Part 820) and that, through periodic (QS) inspections, the Food and Drug Administration (FDA) will verify such assumptions. Failure to comply with the GMP regulation may result in regulatory action. In addition, FDA may publish further announcements concerning your device in the Federal Register. Please note: this response to your premarket notification submission does not affect any obligation you might have under sections 531 through 542 of the Act for devices under the Electronic Product Radiation Control provisions, or other Federal laws or regulations.

Page 2 - Mr. Ted Y. Shi

This letter will allow you to begin marketing your device as described in your 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 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" (21 CFR 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its internet address "<http://www.fda.gov/cdrh/dsmamain.html>".

Sincerely yours,

A handwritten signature in black ink, appearing to read 'C. Witten', with a stylized flourish at the end.

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

Enclosure

Page 1 of 1

510(K) Number (if known): _____

Device Name: Syntec-Taichung Non-sterile Knowles Pin

Indications for use:

The Knowles Pin is provided non-sterile. The device may be used for bone reconstruction, for reducible intracapsular fracture of the femoral neck and to moderate slipped upper femoral epiphyses.

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

Concurrence of CDRH, Office of Device Evaluation (ODE)

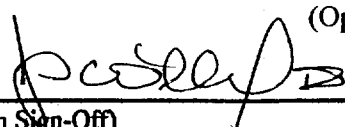
Prescription Use X

OR

Over-The-Counter-Use _____

(Per 21 CFR 801.109)

(Optional Format 1-2-96)


(Division Sign-Off)

Division of General Restorative Devices

510(k) Number K9B3757