



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

FEB 18 1999

Food and Drug Administration
2098 Gaither Road
Rockville MD 20850

Ms. Anne Bolmstrom
President
AB BIODISK North America Inc.
200 Centennial Avenue
Piscataway , New Jersey 08854-3910

Re: K983890
Trade Name: System U3 for Piperacillin
Regulatory Class: II
Product Code: JWY
Dated: February 5, 1999
Received: February 8, 1999

Dear Ms. Bolmstrom:

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 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). 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 requirements, 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.

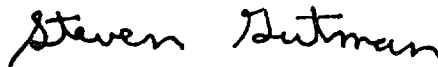
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Under the Clinical Laboratory Improvement Amendments of 1988 (CLIA-88), this device may require a CLIA complexity categorization. To determine if it does, you should contact the Centers for Disease Control and Prevention (CDC) at (770) 488-7655.

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) 594-4588. 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/dsma/dsmamain.html>".

Sincerely yours,

A handwritten signature in black ink that reads "Steven Gutman". The signature is written in a cursive, flowing style.

Steven I. Gutman, M.D, M.B.A.
Director
Division of Clinical
Laboratory Devices
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosure

510(k) Number (if known):

Device Name: System U3™ for Piperacillin

Indications For Use:

For in vitro diagnostic use:

System U3™ is a qualitative technique for antimicrobial susceptibility testing of non-fastidious Gram negative and Gram positive aerobic bacteria, such as *Enterobacteriaceae*, *Pseudomonas*, *Staphylococcus* and *Enterococcus* species. The system comprises an antibiotic gradient with MIC break-point concentrations and is used to determine the susceptibility categories of microorganisms to different antimicrobial agents, as tested on agar media using overnight incubation.

This 510(k) application is for System U3/Piperacillin susceptibility testing based on the MIC breakpoints of Susceptible ≤ 64 µg/ml and Resistant ≥ 128 µg/ml for use with *P. aeruginosa*, and Susceptible ≤ 16 µg/ml, Intermediate 32-64 µg/ml and Resistant ≥ 128 µg/ml for use with non-fastidious Gram negative aerobic bacteria.

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

Concurrence of CDRH, Office of Device Evaluation (ODE)

Woody Dubois
(Division Sign-Off)
Division of Clinical Laboratory Devices
510(k) Number K983890

Prescription Use X
(Per 21 CFR 801.109)

OR

Over-The Counter Use _____

(Optional Format 1-2-96)