

SEP 3 1999

510(k) Premarket Notification  
Organon Teknika Corporation  
BacT/ALERT FA Culture Bottle

510(k) Summary

- (a)(1) The submitter's name, address, telephone number, a contact person, and the date the summary was prepared;

Submitter's Name: Organon Teknika Corporation

Submitter's Address: 100 Akzo Avenue  
Durham, North Carolina 27712

Submitter's Telephone: (919) 620-2288

Submitter's Contact: Rebecca A. Rivas

Date 510(k) Summary Prepared:

- (a)(2) The name of the device, including the trade or proprietary name if applicable, the common or usual name, and the classification name, if known;

Trade or Proprietary Name: BacT/ALERT FA Culture Bottle

Common or Usual Name: BacT/ALERT FA Culture Bottle

Classification Name: Microbial Growth Monitor

- (a)(3) An identification of the legally marketed device to which the submitter claims substantial equivalence;

Device Equivalent to: BacT/Alert FAN Aerobic Culture Bottle

- (a)(4) A description of the device.

**Device Description:** The BacT/ALERT FA Culture Bottle was developed for the same intended use as the current BacT/Alert FAN Aerobic Culture Bottle, to provide suitable nutritional and environmental conditions for organisms commonly encountered in blood infections and normally sterile body fluids. An inoculated bottle is placed into the BacT/ALERT Microbial Detection Instruments where it is incubated and continuously monitored for the presence of microorganisms that will grow in the BacT/ALERT FA Bottle.

- (a)(5) A statement of the intended use of the device.

**Device Intended Use:** The BacT/ALERT FA Culture Bottles are used with the BacT/ALERT Microbial Detection Systems in qualitative procedures for enhanced recovery and detection of aerobic and facultative anaerobic microorganisms ( bacteria and fungi) from blood and other normally sterile body fluids.

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(a)(6) **A summary of the technological characteristics of the new device in comparison to those of the predicate device.**

The BacT/ALERT FA Culture Bottle utilizes the same detection technology as the BacT/ALERT FAN Aerobic Culture Bottle.

FEATURES	BACT/ALERT FA CULTURE BOTTLE	BACT/ALERT FAN AEROBIC CULTURE BOTTLE
<i>Technology</i>	Reflectance	Reflectance
<i>Color change based on CO<sub>2</sub> production</i>	YES	YES
<i>Sensor</i>	Emulsion	Disc
<i>Indicator material</i>	Yes, Same as FAN Aerobic Bottle	Yes
<i>Growth of microorganisms</i>	Yes, Equivalent to FAN Aerobic Bottle	Yes
<i>Instrument Used</i>	BacT/ALERT Microbial Detection Systems	BacT/ALERT Microbial Detection Systems
<i>Sample Source</i>	Blood, Body Fluids	Blood, Body Fluids
<i>Target Population</i>	Adult	Adult

(b1) **A brief discussion of the nonclinical tests submitted, referenced, or relied on in the premarket notification submission for a determination of substantial equivalency.**

Testing was performed to establish the performance characteristics of the new device including:

Seeded studies were performed on 23 organisms diluted in human blood and inoculated into the BacT/ALERT FA bottle and the BacT/Alert FAN bottle.

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- (b)3) The conclusions drawn from the nonclinical and clinical tests that demonstrate that the device is as safe, as effective, and performed as well or better than the legally marketed device identified in (a)(3).

The BacT/ALERT FA culture bottle was substantially equivalent to the BacT/Alert FAN Culture Bottle based on recovery of low levels of the 23 microorganisms included in the study. Detection times in the test bottle were equivalent in both bottles.



DEPARTMENT OF HEALTH & HUMAN SERVICES

Food and Drug Administration  
2098 Gaither Road  
Rockville MD 20850

SEP 3 1999

Ms. Rebecca A. Rivas  
Regulatory Affairs Administrator  
Organon Teknika Corporation  
100 Akzo Avenue  
Durham, North Carolina 27712

Re: K992400  
Trade Name: BacT/ALERT FA Culture Bottle  
Regulatory Class: I  
Product Code: MDB  
Dated: July 16, 1999  
Received: July 19, 1999

Dear Ms. Rivas:

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.

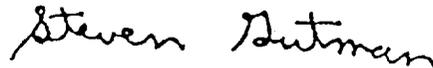
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Under the Clinical Laboratory Improvement Amendments of 1988 (CLIA-88), this device may require a CLIA complexity categorization. To determine if it does, you should contact the Centers for Disease Control and Prevention (CDC) at (770)488-7655.

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 at (301) 443-6597 or at its internet address "<http://www.fda.gov/cdrh/dsmamain.html>"

Sincerely yours,



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) Premarket Notification  
Organon Teknika Corporation  
BacT/ALERT FA Culture Bottle

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510(k) Number (if known): \_\_\_\_\_

BacT/ALERT FA Culture Bottle

Device Name: \_\_\_\_\_

**Indications For Use:**

The BacT/ALERT FA Culture Bottles are used with the BacT/ALERT Microbial Detection Systems in qualitative procedures for enhanced recovery and detection of aerobic and facultative anaerobic microorganisms (bacteria and fungi) from blood and other normally sterile body fluids.

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

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Concurrence of CDRH, Office of Device Evaluation (ODE)

Woody Dubois

(Division Sign-Off)  
Division of Clinical Laboratory Devices

510(k) Number K992400

Prescription Use   
(Per 21 CFR 801.109)

OR

Over-The-Counter Use \_\_\_\_\_

{Optional Format 1-2-86}