MAY 1 7 2001

K011300

510(k) SUMMARY OF SAFETY AND EFFECTIVENESS
For Emit® II Plus Cannabinoid Assay

1. **Manufacturer and Contact Information:**

Manufacturer: Syva Company – Dade Behring Inc.
20400 Mariani Ave.
Cupertino, CA 95014

Contact Information: Virginia Singer
Senior Manager, Regulatory Affairs
Syva Company – Dade Behring, Inc.
3403 Yerba Buena Road
San Jose, CA 95161-9013
Tel: 408 – 239 - 2175
Fax: 408 – 239 - 2348

2. **Date Summary Prepared:**
April 27, 2001

3. **Device Trade Name:**
Emit® II Plus Cannabinoid Assay

4. **Common Name:**
Enzyme Immunoassay, Cannabinoids

5. **Device Classification Name:**
The Clinical Chemistry and Clinical Toxicology Devices Panel have classified "Cannabinoid test system" as Class II, 21 CFR Part 862. 3870

6. **Intended Use:**
The modified Emit® II Plus Cannabinoid Assay is a homogeneous enzyme immunoassay intended for use in the qualitative and semiquantitative analysis of cannabinoids in human urine. These reagents are packaged specifically for use on a variety of Olympus analyzers. The Emit® II Plus Cannabinoid Assay provides only a preliminary analytical test result. A more specific alternative chemical method must be used to obtain a confirmed analytical result. Gas chromatography/mass spectrometry (GC/MS) is the preferred confirmatory method. Other chemical confirmation methods are available. Clinical consideration and professional judgment should be applied to any drug-of-abuse test result, particularly when preliminary positive results are used.

7. **Device Description:**
The modified assay is similar to the predicate device with minor differences in the packaging of the product. The modified assay has a smaller fill volume of the reagents into different shaped (wedge) reagent bottles. Both the predicate and modified device reagent bottles are made of the same material (HDPE). The modified reagent bottles incorporate a barcode label with assay specific information and are compatible with the Olympus® AU400/600, AU800/1000 and AU2700 Series Analyzers.

8. **Substantial Equivalence**

The modified device has the same operating principles, design, manufacturing materials, method of manufacture, assay performance characteristics and intended use as the predicate device. In conclusion the modified Emit® II Plus Cannabinoid Assay is substantially equivalent to the predicate Emit® II Plus Cannabinoid Assay.

DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
2098 Gaither Road
Rockville MD 20850

MAY 1 7 2001

Ms. Virginia Singer
Senior Manager, Regulatory Affairs
Syva Company – Dade Behring Inc.
3403 Yerba Buena Road
San Jose, CA 95135

Re: 510(k) Number: K011300
Trade/Device Name: Emit® II Plus Cannabinoid Assay
Regulation Number: 862.3870
Regulatory Class: II
Product Code: LDJ
Dated: April 27, 2001
Received: April 30, 2001

Dear Ms. Singer:

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 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 Good Manufacturing Practice for Medical Devices: General (GMP) regulation (21 CFR Part 820) and that, through periodic GMP 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.

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

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" (21CFR 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,

Steven Gutman

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

Indications for Use Statement

K011300

510(k) Number (if known): **Device Name:** Emit® II Plus Cannabinoid Assay

Indications for Use:

The Emit® II Plus Cannabinoid Assay is a homogeneous enzyme immunoassay with a 20 ng/ml, 50 ng/ml (SAMHSA initial test cutoff level) or 100 ng/ml cutoff. The assay is intended for use in the qualitative and semiquantitative analysis of cannabinoids in human urine. These reagents are packaged specifically for use on a variety of Olympus® analyzers.

The Emit® II Plus Cannabinoid Assay provides only a preliminary analytical test result. A more specific alternative chemical method must be used to obtain a confirmed analytical result. Gas chromatography/mass spectrometry (GC/MS) is the preferred confirmatory method. Other chemical confirmation methods are available. Clinical consideration and professional judgment should be applied to any drug-of-abuse test result, particularly when preliminary positive results are used.

Jean Cooper
(Division Sign-Off)
Division of Clinical Laboratory Devices
510(k) Number K011300

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

Concurrence of CDRH, Office of Device Evaluation (ODE)

Prescription Use ✓ OR Over-The-Counter Use_____
(Per 21 CFR 801.109)

(Optional Format 1-2-96)