

JAN 22 2007

**510(k) Summary for  
Dimension Vista™ CYSC Flex® reagent cartridge  
Dimension Vista™ Protein 3 Calibrator  
Dimension Vista™ Cystatin C Control L and H**

This summary of 510(k) safety and effectiveness information is being submitted in accordance with the requirements of SMDA 1990 and 21 CFR 807.92.

The assigned 510(k) number is:

K063351

**1. Manufacturer's Name, Address, Telephone, and Contact Person, Date of Preparation:**

**Manufacturer:** Dade Behring Marburg GmbH  
Emil-von-Behring Str. 76  
35041 Marburg, Germany

**Contact Information:** Dade Behring Inc.  
P.O. Box 6101  
Newark, Delaware 19714-6101  
Attn: Kathleen Dray-Lyons  
Tel: 781-826-4551  
Fax: 781-826-2497

**Preparation date:** November 3, 2006

**2. Device Name:** Dimension Vista™ CYSC Flex® reagent cartridge  
Dimension Vista™ Protein 3 Calibrator  
Dimension Vista™ Cystatin C Control L  
Dimension Vista™ Cystatin C Control H

**Classification:** Class II; Class II; Class I

**Product Code:** NDY; JIX; JJY

**Panel:** Clinical Chemistry (75)

**3. Identification of the Legally Marketed Device:**

Dade Behring N Latex Cystatin C Kit– K041878  
Dade Behring N Protein Standard UY – K003501

000094

**4. Device Description:**

**Dimension Vista™ CYSC Flex® reagent cartridge**

Proteins contained in human body fluids form immune complexes in an immunochemical reaction with specific antibodies. These complexes scatter a beam of light passed through the sample. The intensity of the scattered light is proportional to the concentration of the respective protein in the sample. The result is evaluated by comparison with a standard of known concentration.

**Dimension Vista™ Protein 3 Calibrator**

PROT3 CAL is a multi-analyte, lyophilized, polygeline based product containing urinary cystatin C and serum albumin of human origin.

**Dimension Vista™ Cystatin C Control L and H**

CYSC CON L and H are lyophilized, polygeline based product with urinary proteins of human origin containing cystatin C.

**5. Device Intended Use:**

**Dimension Vista™ CYSC Flex® reagent cartridge:**

The CYSC method is an *in vitro* diagnostic test for the quantitative determination of cystatin C in human serum, heparinized plasma or EDTA plasma on the Dimension Vista® System. Cystatin C measurements are used in the diagnosis and treatment of renal diseases.

**Dimension Vista™ Protein 3 Calibrator:**

The PROT3 CAL is an *in vitro* diagnostic product for the calibration of the Cystatin C (CYSC) and Microalbumin (MALB) methods on the Dimension Vista® System.

**Dimension Vista™ Cystatin C Control L and H:**

CYSC CON L and H are assayed intralaboratory quality control for assessment of precision and analytical bias in determination of cystatin C (CYSC) on the Dimension Vista® System.

**6. Medical device to which equivalence is claimed and comparison information:**

The Dimension Vista™ CYSC assay, like the Dade Behring N Latex Cystatin C Kit is an *in vitro* diagnostic test for the quantitative measurement of cystatin C in human serum and plasma.

**7. Device Performance Characteristics:**

The Dimension Vista™ CYSC assay was compared to the Dade Behring N Latex Cystatin C Kit on the BN ProSpec® System by evaluating serum and plasma samples with concentrations ranging from 0.33 to 7.46 mg/L. Regression analysis of these results yielded the following equation:

**Method Comparison Study**

Comparative Method	n	Slope	Intercept	Correlation Coefficient
N Latex Cystatin C on the BN ProSpec®	160	1.005	0.005	0.998

**8. Conclusion:**

These studies demonstrate correlation and equivalent performance between the Dade Behring N Latex Cystatin C Kit and the Dimension Vista™ CYSC assay.



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration  
2098 Gaither Road  
Rockville MD 20850

Dade Behring, Inc.  
Glasgow Site  
P.O. Box 6101  
Newark, DE 19714

JAN 22 2007

Attn: Kathleen A. Dray-Lyons

Re: k063351  
Trade/Device Name: Dimension Vista™ CYSC Flex® reagent cartridge,  
Dimension Vista™ Protein 3 Calibrator, Dimension Vista™ Cystatin C Control M &  
Dimension Vista™ Cystatin C Control H  
Regulation Numbers: 21 CFR 862.1225  
Regulation Names: Creatinine test system  
Regulatory Class: Class II  
Product Code: NDY, JIX & JJY  
Dated: November 3, 2006  
Received: November 6, 2006

Dear Ms. Dray-Lyons:

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 Title 21, Code of Federal Regulations (CFR), Parts 800 to 895. 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 Parts 801 and 809); and good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820).

Page 2 –

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 information about the application of labeling requirements to your device, or questions on the promotion and advertising of your device, please contact the Office of In Vitro Diagnostic Device Evaluation and Safety at (240) 276-0490. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (240) 276-3150 or at its Internet address at <http://www.fda.gov/cdrh/industry/support/index.html>.

Sincerely yours,



Jean M. Cooper, M.S., D.V.M.

Director

Division of Chemistry and Toxicology

Office of *In Vitro* Diagnostic Device

Evaluation and Safety

Center for Devices and

Radiological Health

Enclosure

## Indications Statement

K063351

**Device Name:** Dimension Vista™ CYSC Flex® reagent cartridge  
Dimension Vista™ Protein 3 Calibrator  
Dimension Vista™ Cystatin C Control M  
Dimension Vista™ Cystatin C Control H

### Indications for Use:

#### Dimension Vista™ CYSC Flex® reagent cartridge:

The CYSC method is an *in vitro* diagnostic test for the quantitative determination of cystatin C in human serum, heparinized plasma or EDTA plasma on the Dimension Vista® System. Cystatin C measurements are used in the diagnosis and treatment of renal diseases.

#### Dimension Vista™ Protein 3 Calibrator:

The PROT3 CAL is an *in vitro* diagnostic product for the calibration of the Cystatin C (CYSC) and Microalbumin (MALB) methods on the Dimension Vista® System.

#### Dimension Vista™ Cystatin C Control L and H:

CYSC CON L and H are assayed intralaboratory quality controls for assessment of precision and analytical bias in determination of cystatin C (CYSC) on the Dimension Vista® System.

Prescription Use  X   
(Per 21 CFR 801 Subpart D)

Over-The-Counter-Use \_\_\_\_\_  
(21 CFR 801)

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

Concurrence of CDRH, Office of In Vitro Diagnostic Devices (OIVD)

Page 1 of  1

Carol Benson   
Division Sign-Off

Office of In Vitro Diagnostic Device  
Evaluation and Safety

510(k)  K063351

000055