rv 🕭

K. Premarket Notification [510(k)] Summary

K.1 General Information:

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: BK050036

Establishment Information:

• Address: BD Di

BD Diagnostics, Preanalytical Systems

1 Becton Drive, MC 300

Franklin Lakes, NJ 07417-1885

• Registration Number:

1024879

Contact Person:

Stephen Anderson

Telephone No.: (201) 847-4727

Fax No.:

(201) 847-4858

• Date of Summary:

March 20, 2006

· Common Name:

Blood Collection Tubes

• Trade Name(s):

BD Vacutainer® Plus Serum Tubes

BD Vacutainer[®] Plus K₂EDTA Tubes BD Vacutainer[®] SSTTM Plus Tubes BD Vacutainer[®] SSTTM Glass Tubes

BD Vacutainer® SSTTM II Advance Tubes

· Classification Name:

Tubes, vials, systems, serum separators, blood

collection

· Classification:

Class II

• Performance Standards: None Established under 514 of the Food, Drug and

Cosmetic Act



K. Premarket Notification [510(k)] Summary

K.2 Safety and Effectiveness Information Supporting the Substantial Equivalence Determination:

• Device Description:

The BD Vacutainer® Tubes are sterile, plastic, evacuated blood collection tubes. These tubes generally consist of a closure assembly and a plastic tube. Some tubes contain a barrier forming gel and/or one or more additives. The specimens are used for clinical laboratory assays involving the use of patient blood.

· Intended Use:

BD Vacutainer® Plus Serum Tubes, BD Vacutainer® SSTTM Plus Tubes, BD Vacutainer® SSTTM Glass Tubes, and BD Vacutainer® SSTTM II *Advance* Tubes may be used for routine blood donor screening and diagnostic testing of serum for infectious disease. The performance characteristics of these tubes have not been established for infectious disease testing in general; therefore, users must validate the use of these tubes for their specific assayinstrument/reagent system combinations and specimen storage conditions.

BD Vacutainer® Plus Serum and BD Vacutainer® Plus K₂EDTA Tubes may be used for routine immunohematology testing and blood donor screening. The performance characteristics of these tubes have not been established for immunohematology testing in general; therefore, users must validate the use of these tubes for their specific assay-instrument/reagent system combinations and specimen storage conditions.



K. Premarket Notification [510(k)] Summary

 Synopsis of Test Methods and Results: The principal devices:

BD Vacutainer[®] Plus Serum Tubes,
BD Vacutainer[®] SSTTM Plus Tubes,
BD Vacutainer[®] SSTTM Glass Tubes, and
BD Vacutainer[®] SSTTM II *Advance* Tubes
were compared with predicate BD Vacutainer[®] Glass
Serum Tubes for collecting blood for infectious
disease marker immunoassays.

In addition, the principal BD Vacutainer[®] Plus K₂EDTA Tubes were compared with predicate BD Vacutainer[®] Glass K₃EDTA Tubes for collecting blood for infectious disease marker immunoassays.

Assays were performed on blood collected in both principal and predicate tubes for a battery of infectious disease marker immunoassays. The sensitivity and specificity of the principal tubes for each of the immunoassays were then compared with the rates from the immunoassay kits. Results demonstrated that the sensitivity and specificity of the principal blood collection tubes (calculated using the discrepancies versus the predicate tubes) were within the ranges established by the manufacturers of the immunoassay kits. Based on these performance evaluations, it is clear that the principal devices described are suitable for use in conjunction with immunoassays for infectious disease markers.

In addition, principal BD Vacutainer[®] Plus K₂EDTA Tubes were compared with predicate BD Vacutainer[®] Glass K₃EDTA Tubes for collecting samples for DAT. These results, when combined with previous evaluations, indicate that BD Vacutainer[®] Plus K₂EDTA Tubes are suitable for immunohematology testing, including but not limited to, immunohematology testing performed by blood banks.

K. Premarket Notification [510(k)] Summary



 Substantial Equivalence: Based on a comparison of the device features, materials, and intended use, the aforementioned principal devices are substantially equivalent to the respective predicate legally marketable devices identified below:

Name:

BD Vacutainer® Glass Serum Tubes Becton, Dickinson and Company

Manufacturer: 510(k) No.:

Preamendment

Name: Manufacturer: BD Vacutainer® Plus Serum Tubes Becton, Dickinson and Company

510(k) No.:

BK040030

Name: Manufacturer: 510(k) No.: BD Vacutainer® Glass K₃EDTA Tubes Becton, Dickinson and Company

Preamendment

Name:

BD Vacutainer® Plus K₂EDTA Tubes Becton, Dickinson and Company

Manufacturer: 510(k) No.:

BK980011

Name: Manufacturer: BD Vacutainer® SSTTM Plus Tubes Becton, Dickinson and Company

510(k) No.:

K023075

Name: Manufacturer: BD Vacutainer[®] SST™ Glass Tubes Becton, Dickinson and Company

510(k) No.:

K921806

Name:

BD Vacutainer® SSTTM II Advance Tubes

Manufacturer:

Becton, Dickinson and Company

510(k) No.:

K023331

Stephen B Anderson

March 20, 2006