The BD Vacutainer™ Plus Plastic Citrate Tubes were designed to meet the needs and demands of today’s market.

**Outer Tube**
- Consists of PET (Polyethylene Terephthalate), the virtually unbreakable material used for all BD Plastic Tubes.
- Retains vacuum, maintaining proper blood to additive ratio.
- Consistent 13x75mm plastic tube external dimensions in both draw volumes.
- Standard light blue BD Hemogard™ closure for 2.7mL tubes.
- Clear BD Hemogard™ closure for 1.8mL tubes.

**Inner Tube**
- Consists of Polypropylene, a specialized non-activating surface.
- Retains liquid additive, maintaining the proper blood to additive ratio and citrate concentration.
- Varying inside diameter maintains the same minimized headspace across all draw volumes.
- Full draw specimen in both 1.8mL and 2.7mL volume tubes.

**BD Vacutainer™ Plus Plastic Citrate Tube**

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<tr>
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**Other BD Vacutainer™ Safety Products:**
- BD Eclipse™ Blood Collection Needle
- BD Safety-Lok™ Blood Collection Set
- BD Vacutainer™ Plus Plastic Tubes
- BD™ Single Use Holder
- BD™ Blood Transfer Device
- BD Quikheel™ Lancet
- BD Genie™ Lancet
- BD™ Urine Analysis Preservative Tubes

Introducing BD Vacutainer™ Plus Plastic Citrate Tube

- **Innovative tube geometry** that minimizes tube headspace and associated platelet activation to optimize APTT monitoring of unfractionated heparin patients. You always get a full draw with standard outside tube dimensions, for 1.8mL and 2.7mL draw volumes.
- **Clinically equivalent performance** to the recognized global “Gold Standard”, the 4.5mL BD Vacutainer™ Glass Citrate Tube.
- **Clinically Proven** with multicenter clinical trials evaluating all routine coagulation tests on major patient populations, and utilizing widely used coagulation analytical systems.
**BD Vacutainer™ Plus Plastic Citrate Tubes...**
Clinically equivalent performance to the BD Vacutainer™ “Gold Standard”

**APTT results in patients treated with unfractionated heparin**
The 1.8mL and 2.7mL 0.109M BD Vacutainer™ Plus Plastic Citrate Tubes yielded clinically equivalent mean APTT clotting times when compared to the “Gold Standard” BD Vacutainer® 0.105M Glass Sodium Citrate Tube for patients treated with unfractionated heparin, using two APTT reagents.

**PTT results and INR results in patients treated with Warfarin**
The 1.8mL and 2.7mL 0.109M BD Vacutainer™ Plus Plastic Citrate Tubes yield clinically equivalent mean PT clotting times and INR values when compared to the “Gold Standard” BD Vacutainer® 0.105M Glass Sodium Citrate Tube for Warfarin donors with two tested PT reagents (Hemoliance® Brain Thromboplastin and Dade® Innovin®).

**PTT results and APTT results in normal patients**
The same tubes also yielded clinically equivalent mean PT and APTT clotting times when compared to the “Gold Standard” BD Vacutainer® 0.105M Glass Sodium Citrate Tube in normal patients with both PT reagents as well as APTT reagents.

Reference: VS5936 Evaluation of 0.109M 2.7mL and 1.8mL BD Vacutainer™ Plus Plastic Sodium Citrate Tubes using the Electra 1400C™ Analyzer.

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**Clinical Documentation**

**ASSAYS**
- Anti-Heparin Xa
- APTT
- Fibrinogen
- Platelet Counts
- PT

**INSTRUMENTATION**
- Coulter® STKS™
- Dade Behring RCS™
- Diagnostica Stago STA®
- IL Electra 1400C™
- IL Futura™
- Sysmex® 1500C
- Sysmex® K1000
- IL Test™ APTT-SP
- IL Test™ PT-Fibrinogen HS Plus
- Stachrom® Heparin Xa reagent
- STA® Fibrinogen

**REAGENTS**
- Dade® Actin® (FS, FSL)
- Dade® Innovin®
- Dade® Thromboplatin C Plus
- Hemoliance® Brain Thromboplastin
- Hemoliance® Thromboplastin I
- IL Test® APTT-SP
- IL Test® PT-Fibrinogen HS Plus
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*As of March 2002*
BD Vacutainer™ Plus Plastic Citrate Tubes... Clinically equivalent performance to the BD Vacutainer™ “Gold Standard”

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Reference: VS908 Evaluation of 0.109M 2.7mL and 1.8mL BD Vacutainer™ Plus Plastic Sodium Citrate Tubes using the Electra 1400C™ Analyzer.

Clinical Documentation*

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For information contact your BD Vacutainer Systems, Preanalytical Solutions Sales Consultant, Customer Service at 1.888.237.2762 or Technical Service at 1.800.631.0174

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