


















BD Vacutainer® Venous Blood Collection Tube Guide



Helping all people
live healthy lives

For the full array of BD Vacutainer® Blood Collection Tubes, visit www.bd.com/vacutainer.

| BD Vacutainer® Tubes with BD Hemogard™ Closure | BD Vacutainer® Tubes with Conventional Stopper | Additive | Inversions at Blood Collection* | Laboratory Use |
|--|--|--|---------------------------------|--|
|  Gold | | <ul style="list-style-type: none"> Clot activator and gel for serum separation | 5 | For serum determinations in chemistry. May be used for routine blood donor screening and diagnostic testing of serum for infectious disease.** Tube inversions ensure mixing of clot activator with blood. Blood clotting time: 30 minutes. |
|  Red |  Red | <ul style="list-style-type: none"> Silicone coated (glass) Clot activator, Silicone coated (plastic) | 0 5 | For serum determinations in chemistry. May be used for routine blood donor screening and diagnostic testing of serum for infectious disease.** Tube inversions ensure mixing of clot activator with blood. Blood clotting time: 60 minutes. |
|  Royal Blue | | <ul style="list-style-type: none"> Clot activator (plastic serum) K₂EDTA (plastic) | 8 8 | For trace-element, toxicology, and nutritional-chemistry determinations. Special stopper formulation provides low levels of trace elements (see package insert). Tube inversions ensure mixing of either clot activator or anticoagulant (EDTA) with blood. |
|  Green |  Green | <ul style="list-style-type: none"> Sodium heparin Lithium heparin | 8 8 | For plasma determinations in chemistry. Tube inversions ensure mixing of anticoagulant (heparin) with blood to prevent clotting. |
|  Gray |  Gray | <ul style="list-style-type: none"> Potassium oxalate/sodium fluoride Sodium fluoride/Na₂ EDTA Sodium fluoride (serum tube) | 8 8 8 | For glucose determinations. Oxalate and EDTA anticoagulants will give plasma samples. Sodium fluoride is the antiglycolytic agent. Tube inversions ensure proper mixing of additive with blood. |
| |  Yellow | <ul style="list-style-type: none"> Sodium polyanethol sulfonate (SPS) Acid citrate dextrose additives (ACD): <p>Solution A - 22.0 g/L trisodium citrate, 8.0 g/L citric acid, 24.5 g/L dextrose</p> <p>Solution B - 13.2 g/L trisodium citrate, 4.8 g/L citric acid, 14.7 g/L dextrose</p> | 8 8 8 | SPS for blood culture specimen collections in microbiology. ACD for use in blood bank studies, HLA phenotyping, and DNA and paternity testing. Tube inversions ensure mixing of anticoagulant with blood to prevent clotting. |
|  Lavender |  Lavender | <ul style="list-style-type: none"> Liquid K₃EDTA (glass) Spray-coated K₂EDTA (plastic) | 8 8 | K ₂ EDTA and K ₃ EDTA for whole blood hematology determinations. K ₂ EDTA may be used for routine immunohematology testing, and blood donor screening.*** Tube inversions ensure mixing of anticoagulant (EDTA) with blood to prevent clotting. |
|  White | | <ul style="list-style-type: none"> K₂EDTA and gel for plasma separation | 8 | For use in molecular diagnostic test methods (such as, but not limited to, polymerase chain reaction [PCR] and/or branched DNA [bDNA] amplification techniques.) Tube inversions ensure mixing of anticoagulant (EDTA) with blood to prevent clotting. |
|  Pink |  Pink | <ul style="list-style-type: none"> Spray-coated K₂EDTA (plastic) | 8 | For whole blood hematology determinations. May be used for routine immunohematology testing and blood donor screening.*** Designed with special cross-match label for patient information required by the AABB. Tube inversions prevent clotting. |
|  Light Blue |  Light Blue | <ul style="list-style-type: none"> Buffered sodium citrate 0.105 M (≈3.2%) glass 0.109 M (3.2%) plastic Citrate, theophylline, adenosine, dipyridamole (CTAD) | 3-4 | For coagulation determinations. CTAD for selected platelet function assays and routine coagulation determination. Tube inversions ensure mixing of anticoagulant (citrate) to prevent clotting. |
|  Black | | <ul style="list-style-type: none"> Buffered sodium citrate | | Western sedimentation rate determination |

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* Invert gently, do not shake

** 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 assay-instrument/reagent system combinations and specimen storage conditions.

*** 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.

Note: BD Vacutainer® Tubes for pediatric and partial draw applications can be found on our website.