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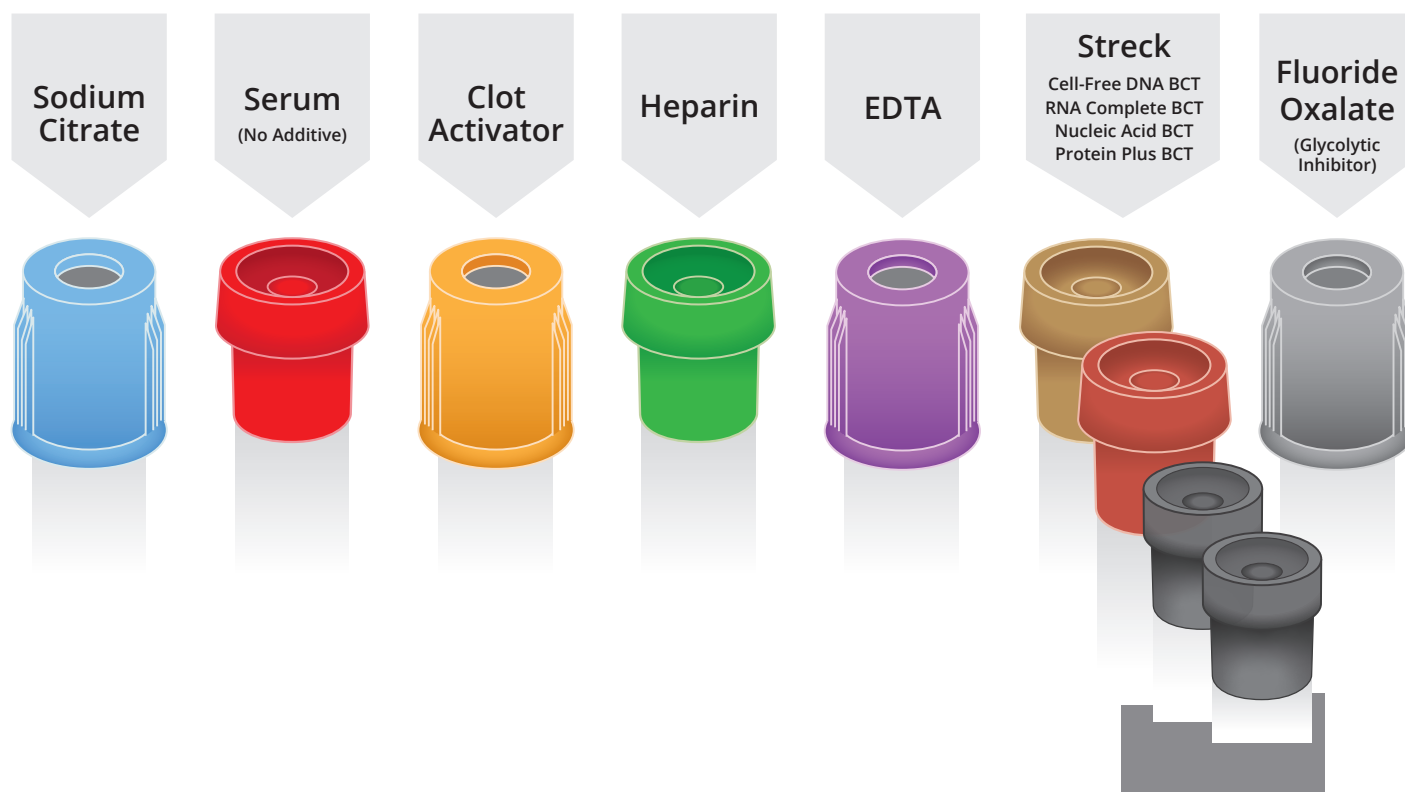
Streck Cell-Free DNA BCT®, RNA Complete BCT®, Nucleic Acid BCT™ and Protein Plus BCT™ Phlebotomy Best Practices

Information in this guideline is subject to change without notice. Streck provides this guideline for qualified laboratory personnel who are trained to perform routine venipuncture using Streck blood collection tubes (BCTs)*. Streck assumes no responsibility for protocols generated from this guideline.

Cell-Free DNA BCT is U.S. FDA cleared when paired with the Guardant360® CDx and Guardant Shield™ assays.; for more information please see streck.com/IFU/US. Cell-Free DNA BCT is also available as RUO and CE depending on your region. RNA Complete BCT is available as RUO and CE depending on your region. Nucleic Acid BCT and Protein Plus BCT are available as RUO. RUO tubes are Research Use Only and not for use in diagnostic procedures. RUO tubes should only be used for research or the development of new assays.

Phlebotomy highlights

1. Follow the CLSI Approved Standard "Procedures for the Collection of Diagnostic Blood Specimens by Venipuncture," CLSI Document GP41.1
2. Streck BCTs are designed to be direct draw blood collection tubes. Transferring a blood sample collected with a syringe and needle into Streck BCTs is not recommended due to the increased potential for hemolysis.
3. For order of draw, follow recommendations outlined in GP41. Streck BCTs can be drawn after the EDTA tube and before the fluoride oxalate (glycolytic inhibitor) tube. If a Streck BCT immediately follows a heparin tube in the draw order, we recommend collecting a non-additive or EDTA tube as a waste tube prior to collection in the Streck BCT.

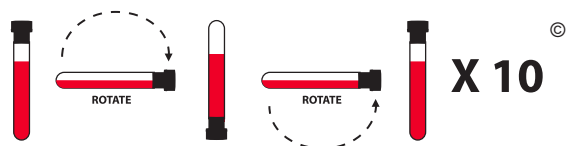
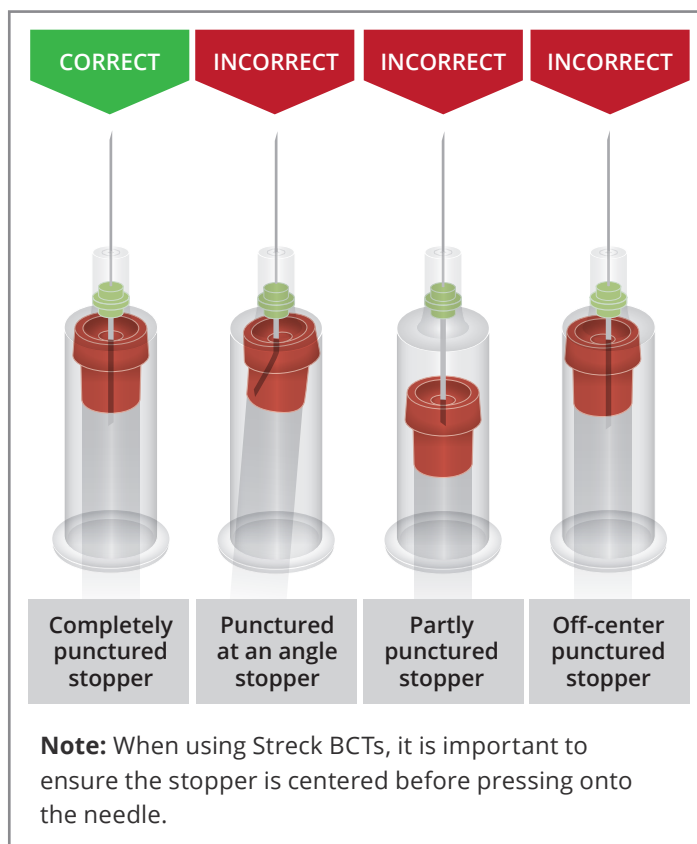


*Streck BCTs: Cell-Free DNA BCT, RNA Complete BCT, Nucleic Acid BCT and Protein Plus BCT

4. The following materials are required and not provided with Streck BCTs:
 - a. Any standard size needle holder that can accommodate a 16 mm diameter tube. Example: BD Vacutainer Eclipse Needles available with or without a Pre-Attached Holder (21G or 22G) or Monoject Blood Collection Needles and Tube Holders (21G or 22G).

Note: Slower fill times may be observed when using a smaller gauge needle.

5. When using a winged (butterfly) collection set for venipuncture, a non-additive or EDTA discard tube should be partially drawn prior to collection in Streck BCTs to eliminate air or “dead space” from tubing.
6. As with all blood collection tubes that contain chemical additives, position the patient’s arm in the downward position during the collection procedure to prevent reflux or “backflow” from the collection tube into the vein.
7. Insert the Streck BCT into the plastic holder and hold the tube so the cap is flush against the needle holder as the sample is being collected.
8. Allow the tube to fill until the vacuum is exhausted and blood flow ceases. The label bears no indication of correct fill line. Fill may require 60 to 90 seconds or longer. In case of vein collapse, a second puncture and new tube may be required.
9. It is critical to mix tubes thoroughly by gentle inversion 10 times immediately after draw. Inadequate or delayed mixing may result in incorrect analytical results or poor product performance. One inversion is a complete turn of the wrist, 180 degrees, and back, per the figure below.



10. Visit [streck.com/mixing](https://www.streck.com/mixing) for a video demonstration.
11. Refer to the Cell-Free DNA BCT, RNA Complete BCT, Nucleic Acid BCT or Protein Plus BCT Instructions For Use (IFU) for recommended storage temperatures, stability information and additional information regarding the blood collection tubes.



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Tube configurations:

Product	Draw Volume	Kit Configurations	Catalog Number
Cell-Free DNA BCT	10 mL	6-tube pack	230469
		100-tube box	230470
		1000-tube case	230471
Cell-Free DNA BCT RUO	10 mL	6-tube pack	218961
		100-tube box	218962
		1000-tube case	218992
Cell-Free DNA BCT CE	10 mL	6-tube pack	218996
		100-tube box	218997
		1000-tube case	230244
RNA Complete BCT	10 mL	6-tube pack	230460
		100-tube box	230461
		1000-tube case	230462
RNA Complete BCT CE	10 mL	6-tube pack	230579
		100-tube box	230580
		1000-tube case	230581
Nucleic Acid BCT	5 mL	6-tube pack	230637
		100-tube box	230638
		1000-tube case	230639
Protein Plus BCT	5 mL	6-tube pack	230627
		100-tube box	230628
		1000-tube case	230629

References

1. CLSI GP41, Procedures for the collection of diagnostic blood specimens by venipuncture. Approved Standard - Seventh Edition.



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