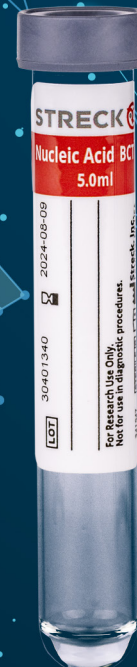




STRECK

Nucleic Acid BCT™



For Research Use Only.
Not for use in diagnostic procedures in the U.S.

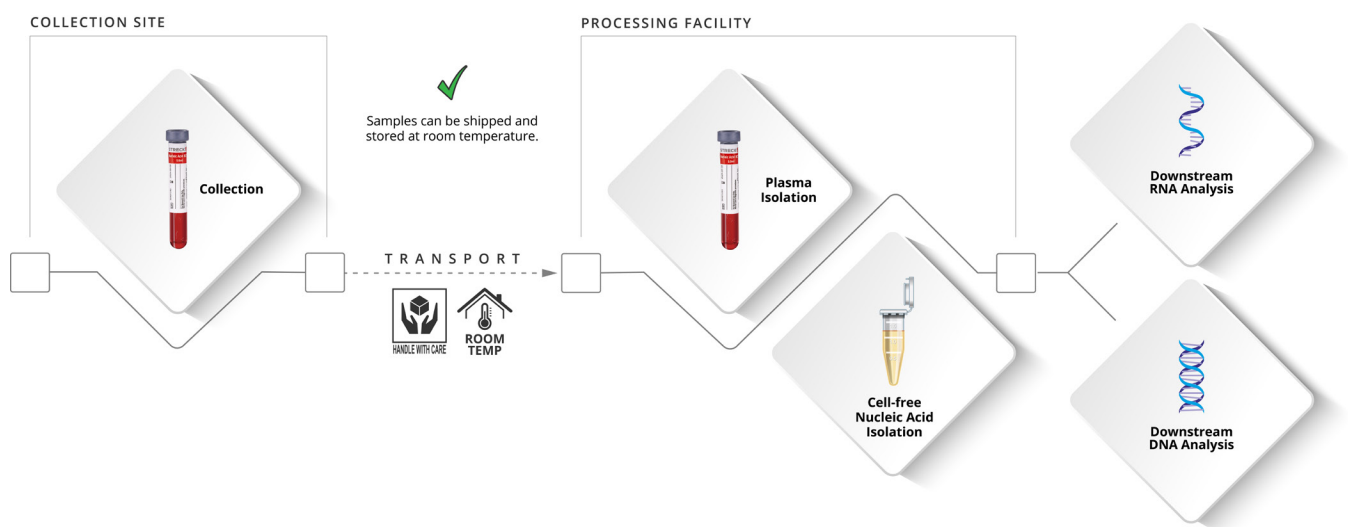
Nucleic Acid BCT™ is a direct draw venous whole blood collection device that maintains draw-time concentrations of cell-free RNA (cfRNA), extracellular vesicles (EVs) and cell-free DNA (cfDNA) for up to 7 days when stored at room temperature. Plasma yield is maximized and hemolysis is minimized during storage. Once isolated from stored plasma, cfDNA and cfRNA are suitable for many downstream applications.

Features

- + Stabilizes sample for cfDNA, EVs and cfRNA
- + 7-day sample stability when stored at room temperature
- + Compatible with commercially available total plasma nucleic acid isolation kits
- + Compatible with standard low input RNA sequencing library prep kits
- + Isolated nucleic acids are suitable for downstream applications

Benefits

- + Limits degradation of white and red blood cells, providing sample integrity during storage, shipping and handling of blood samples
- + Room temperature storage reduces costs and complications associated with cold chain shipping
- + Eliminates the need for immediate plasma preparation
- + Reduces hemolysis and increases plasma yield after storage compared to alternative blood collection tubes



Nucleic Acid BCT minimizes plasma hemolysis

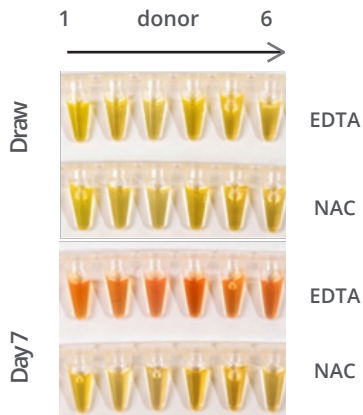


Figure 1. Hemolysis of blood samples collected into EDTA or Nucleic Acid BCT immediately after draw or after 7 days of storage at room temperature.

Nucleic Acid BCT limits changes in plasma volume

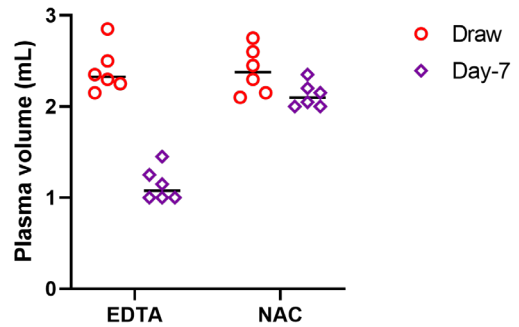


Figure 2. Volume of plasma collected into EDTA or Nucleic Acid BCT immediately after draw or after 7 days of storage at room temperature.

Plasma concentration is stabilized by Nucleic Acid BCT

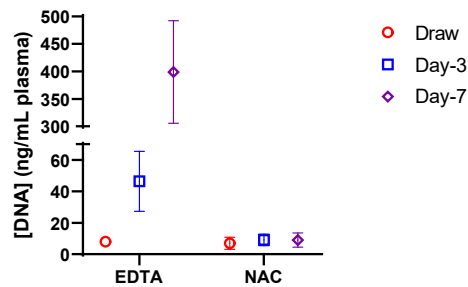


Figure 3. cfDNA concentration in plasma collected into EDTA or Nucleic Acid BCT immediately after draw or after 3 or 7 days of storage at room temperature.

Nucleic Acid BCT stabilizes EV particle concentration

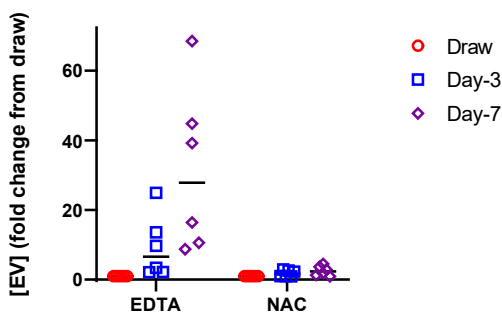


Figure 4. Concentration of EVs from plasma collected into EDTA or Nucleic Acid BCT immediately after draw or after 3 or 7 days of storage at room temperature.

Plasma cfRNA concentration is maintained by Nucleic Acid BCT

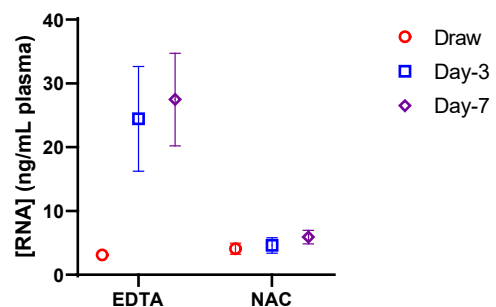


Figure 5. cfRNA concentration in plasma collected into EDTA or Nucleic Acid BCT immediately after draw or after 3 or 7 days of storage at room temperature.

Ordering Information

Description	Catalog Number
6-tube pack Nucleic Acid BCT (5ml), RUO	230637
100-tube box Nucleic Acid BCT (5ml), RUO	230638
1000-tube case Nucleic Acid BCT (5ml), RUO	230639

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