STRECK

Nucleic Acid Plus BCT™

The recommended replacement for Nucleic Acid BCT™



Where Nucleic Acid Plus BCT is comparable

- Flexible 5 mL and 10 mL formats
- Stability of cfDNA for 7 days of room temperature storage
- Plasma recovery of 2 - 2.5 mL for 5 mL format and 4 - 5 mL for 10 mL format

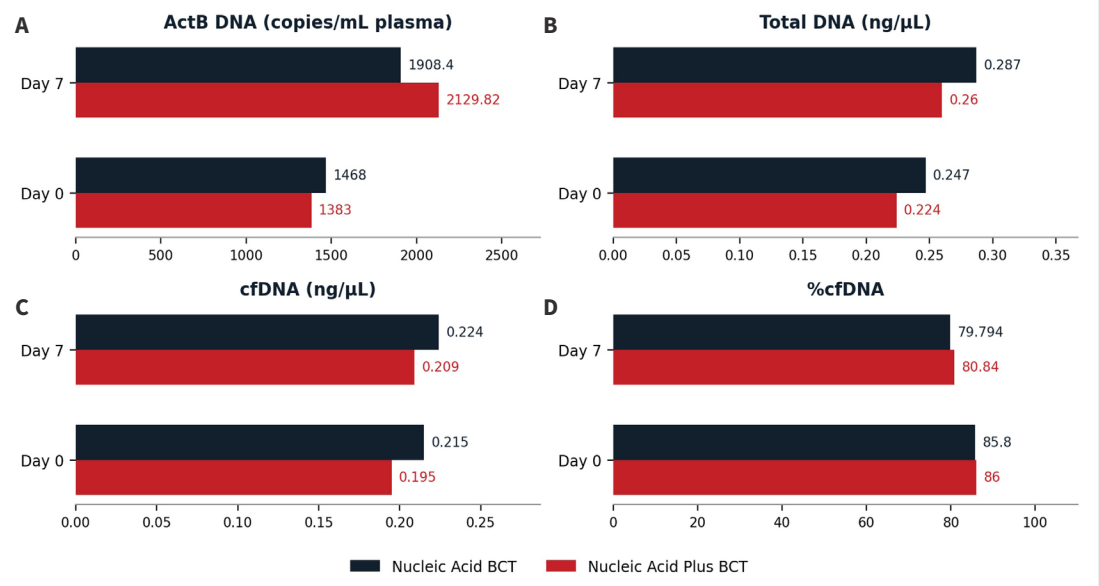
Where Nucleic Acid Plus BCT provides additional capacity

- Better stabilization of cfRNA, miRNA and extracellular vesicles (EVs)
- Limitation of platelet activation
- Stabilization of select plasma proteins for up to 5 days of room temperature storage

What this means for your lab

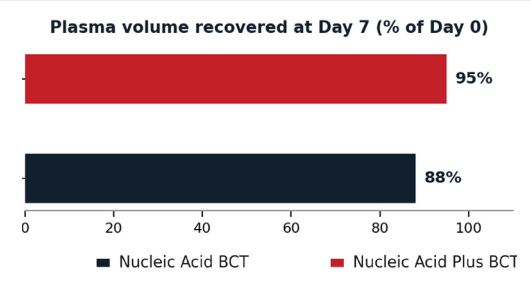
- Cell-free DNA workflows don't have to change
- Fewer collection artifacts in cfRNA, platelet and EV measurements

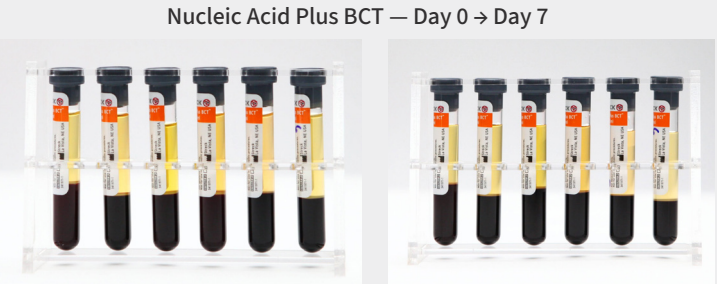
Nucleic Acid Plus BCT exhibits comparable cfDNA performance to Nucleic Acid BCT



Representative genomic DNA background comparison and cfDNA yield and quality assessments: (A) ActB DNA: cell-free DNA by ddPCR (ActB target), copies/mL plasma. (B, C) Total DNA & cfDNA: total and cell-free–sized DNA yield by TapeStation (ng/µL). (D) %cfDNA: cfDNA as a percentage of total DNA. Bars show Day 0 and Day 7 (room-temperature hold) values.

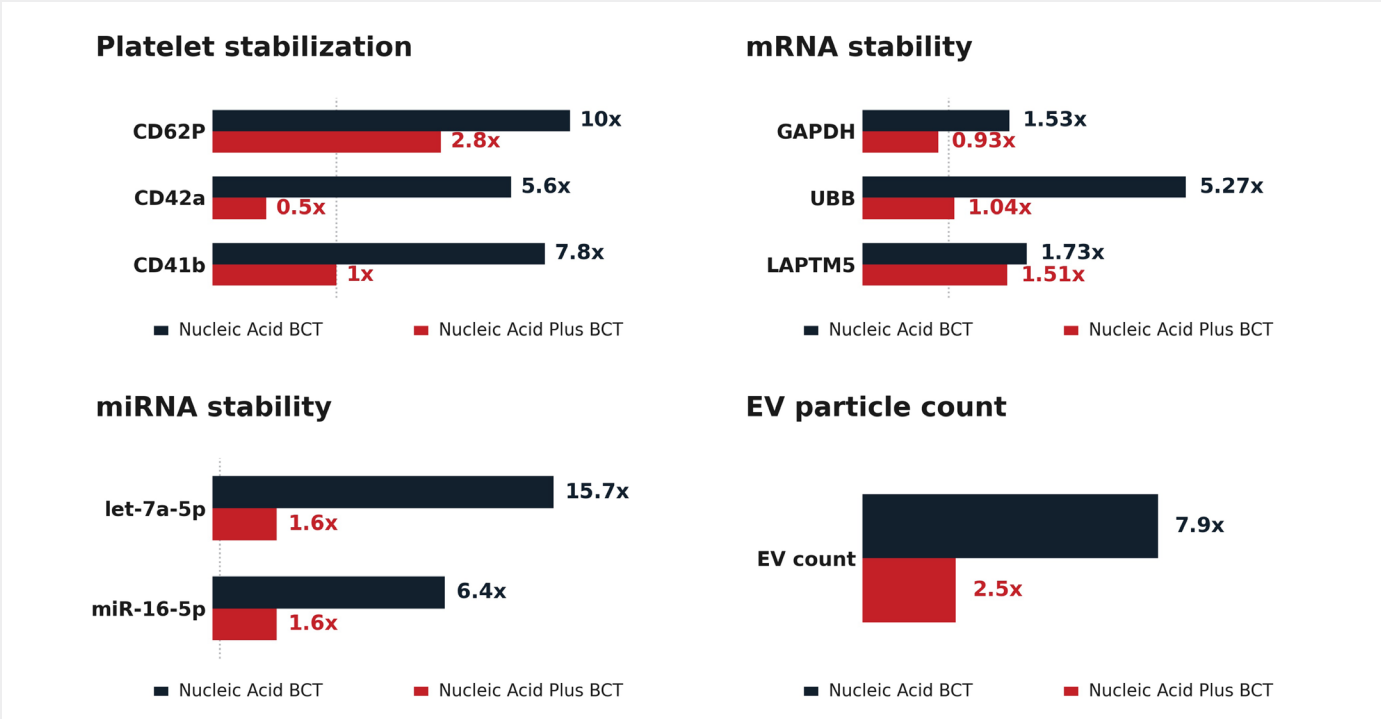
Nucleic Acid Plus BCT and Nucleic Acid BCT similarly prevent hemolysis





Plasma Volume Recovery at Day 7 displayed as % of Day 0. Representative hemolysis visualization within Nucleic Acid Plus BCT (Day 0 vs Day 7).

Nucleic Acid Plus BCT outperforms Nucleic Acid BCT in cfRNA, platelet and EV particle count stabilization



Platelet stabilization: CD62P, CD42a, CD41b (MACSPlex surface markers) depicting platelet activation over the 7-day hold. mRNA and miRNA stability: digital PCR & RT-qPCR assessments of targets over the 7-day hold. EV particle count: total extracellular-vesicle particles/mL plasma (Lumi ELISA, CD9/CD63/CD81). Dotted line indicates 1x change over Day 0.

Nucleic Acid BCT and Nucleic Acid Plus BCT are For Research Use Only. Not for use in diagnostic procedures.
Data reflect Streck internal stability studies comparing paired donor samples (n=6) at Day 0 (draw) and after 7 days of room temperature storage.
Figures shown are representative summary values; individual results may vary by donor, sample, and assay.

LEARN MORE

streck.com/product/nucleic-acid-plus-bct/
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