

LBgard™ Blood Tubes

Robust preservation of cfDNA, CTCs and WBCs in one tube

- Preserve cfDNA for up to 14 days
- Preserve CTCs for up to 4 days
- Reduce hemolysis
- Minimize gDNA release
- Secure blood samples in plastic tubes



Streamlined Liquid Biopsy Workflow

Collection & Transport



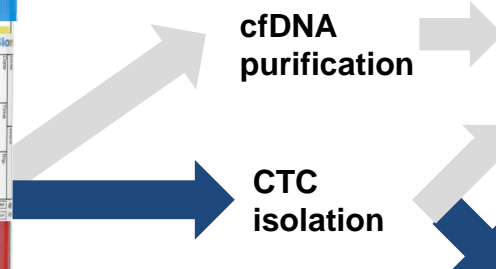
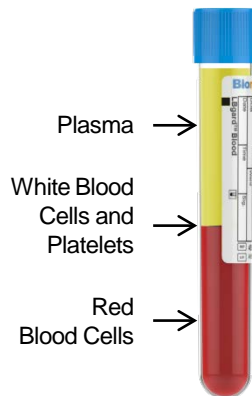
Centrifugation



Preparation



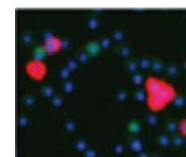
Analysis



Digital PCR



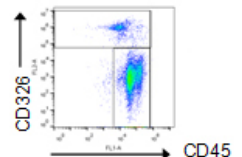
Imaging



NGS



Immunotyping



Compatible with downstream analysis

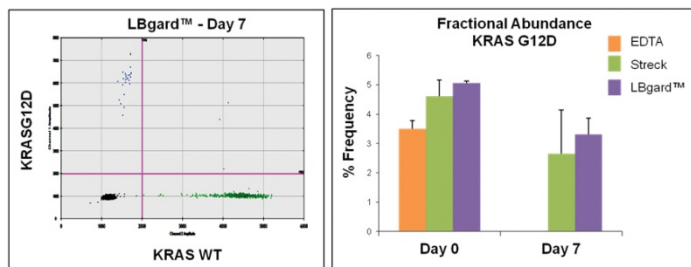


Fig 1. Fractional abundance of spiked-in mutant DNA as analyzed by droplet digital PCR (ddPCR) is maintained for 7 days at 25°C.

Reduced Hemolysis

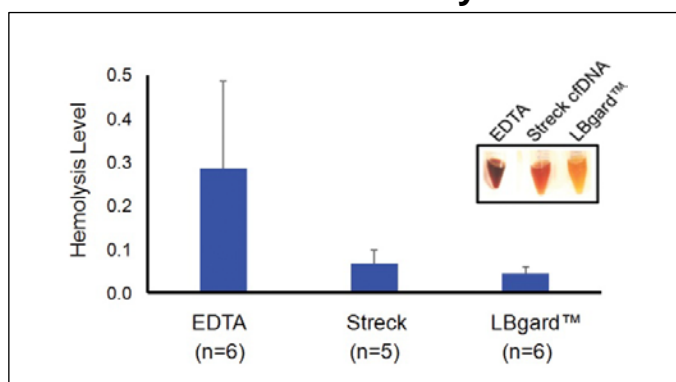


Fig 2. Hemolysis is greatly reduced in samples stored in LBgard™ Blood Tube for 7 days at 25°C.

Wide temperature tolerance

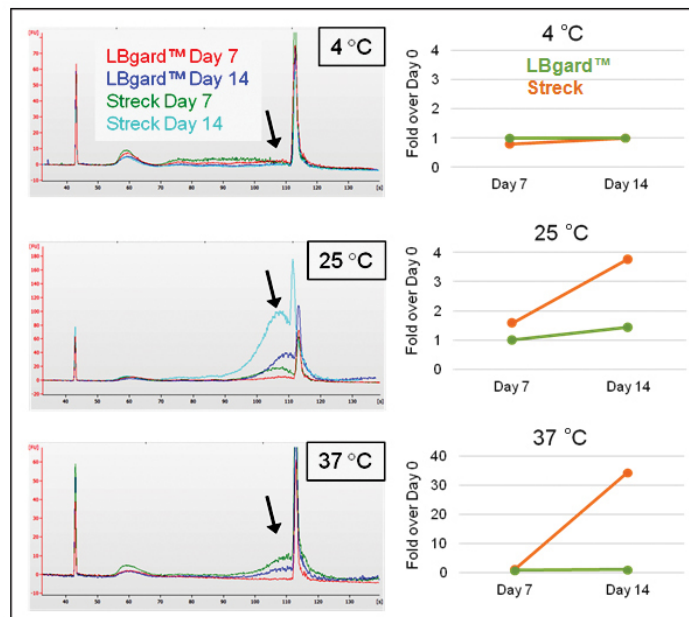
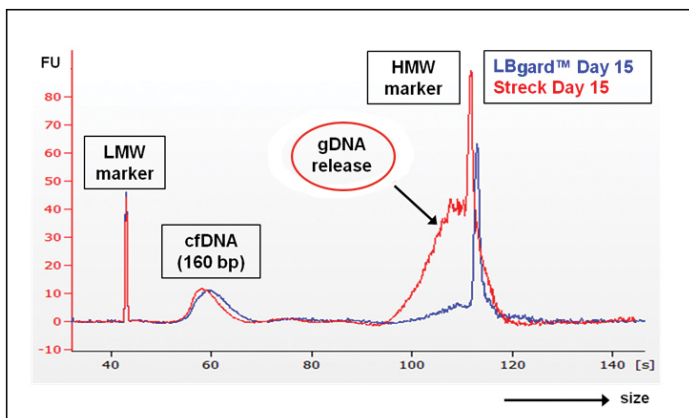


Fig 3. (A) Genomic DNA release (black arrows) is inhibited by LBgard™ Blood Tube at 4°C, 25°C and 37°C for up to 14 days.

cfDNA preserved and gDNA release inhibited in clinical samples



Individual Sample Yield (ng/ml plasma)			
Time-point	Day 1/2	Day 7/8	Day 14/15
Streck P1	11.5	10.5	ND
LBgard™ P1	8.1	8.1	ND
Streck P2	10.3	8.9	20.9
LBgard™ P2	7.6	8.3	10.1
Streck P3	59.7	73.6	60.3
LBgard™ P3	52.0	41.6	46.3
Streck P4	13.5	12.2	13.1
LBgard™ P4	13.0	10.8	11.0

Figure 4. Genomic DNA release is inhibited by LBgard™ Blood Tubes in samples from stage IV breast & colorectal cancer patients. A representative Bioanalyzer trace from one patient is shown (Left). cfDNA yield in ng/ml plasma for 4 clinical samples (P1: Breast and P2-P4: CRC). (Right) ND = Not Determined.

To order, please call 1-866-379-6879, email: orders@biomatrica.com, or visit www.biomatrica.com

Product	Cat. No.	Contents
LBgard™ Blood Tubes	68021-001	(50) LBgard™ Blood Tubes