

Blood STASIS™ 21-ccfDNA

For collection of whole blood samples and stabilization of ccfDNA

The Blood STASIS 21 blood collection tube protects ccfDNA for 21 days at 32°C

Ten (10)mL whole blood samples from healthy male donor were collected in EDTA, Blood STASIS 21-ccfDNA and control blood stabilization tubes. These tubes were stored at various temperatures (8°C, 22°C (room temperature), 32°C) for 21 days. At each time point, 1 mL plasma fraction was separated. qPCR analysis of SRY gene was used to assess the stability of blood samples and ccfDNA. A control sample with known stability was used to establish a cutoff Ct value for PASS or FAIL sample stability test. Ct value of control sample=31.00

Collection Tubes	Days of incubation											
	Day 0			Day 7			Day 14			Day 21		
	Incubation Temperature	8°C	RT*	32°C	8°C	RT*	32°C	8°C	RT*	32°C	8°C	RT*
	Ct** Value											
EDTA (P/F) ***	30.6 (F)	30.6 (F)	27.5 (F)	29.1 (F)	26.5 (F)	24.2 (F)	27.6 (F)	25.6 (F)	24.8 (F)	28.1 (F)	24.6 (F)	24.01 (F)
Blood STASIS 21 (P/F)	31.1 (P)	31.4 (P)	31.2 (P)	31.0 (P)	31.3 (P)	31.6 (P)	31.3 (P)	32.2 (P)	31.7 (P)	31.9 (P)	31.2 (P)	31.4 (P)

* RT- room temperature

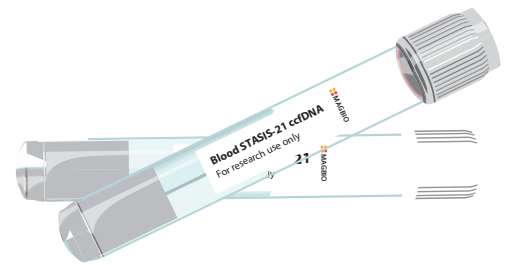
** Each Ct value represents average of 3 data points.

*** P=PASS / F=FAIL

Blood STASIS™ 21-ccfDNA Tubes

Blood samples stored in EDTA blood collection tube show lower Ct value, from 30.60-24.01, suggesting gradual lysis of blood cell during incubation as temperature rises and therefore indicating release of genomic DNA (gDNA) and possible contamination of ccfDNA with gDNA.

Conversely, all blood samples stored in Blood STASIS 21-ccfDNA tube, show slight change in Ct value; 31.10 and 31.99, suggesting a small change in DNA content of the samples, and therefore demonstrating absence of genomic DNA contamination and stability in ccfDNA content.



Ordering Information

For research use only. Not intended for use in diagnostic procedures.

Cat No.	Product	Description
BS21-CF10-100	Blood STASIS 21-ccfDNA 9 mL (100)	100 Tubes: 2 ml Additive, 7 ml blood draw volume
BS21-CF6-100	Blood STASIS 21-ccfDNA 6 mL (100)	100 Tubes: 1.5 ml Additive, 4.5 ml blood draw volume
BS21-CF3-200	Blood STASIS 21-ccfDNA 3 mL (200)	200 Tubes: .5 ml Additive, 2.5 ml blood draw volume
CFK-D50-5ML	cfKapture 21 Kit	For 50 preps: Purification of cell-free DNA (cfDNA) from 5 ml STABILIZED plasma



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