

# TANBead® Nucleic Acid Extraction Kit

## Cell-free DNA Extraction (91C)

**TANBead® Cell-free DNA Kit** is a nucleic acid purification kit based on magnetic bead technology by using with corresponding TANBead® Nucleic Acid Extractor, which can automatically isolate and purify total DNA from large volume of plasma or serum separated from whole blood. The purified DNA can be used with any downstream application employing PCR-based qualitative, semi-quantitative and NGS analysis. The kit is intended for use by technicians, physicians, and biologists with well-trained in molecular biological techniques, the techniques of magnetic bead purification and *in vitro* diagnostic procedures.

Feature	Specification
Application	PCR, qPCR and NGS analysis
Sample	1~6 mL plasma/ serum
Purification technology	Automation Magnetic beads
Operation Time	55 - 70 min
DNA length (bp)	100~300

Figure. Capillary electropherogram of cfDNA from serum of healthy donors.

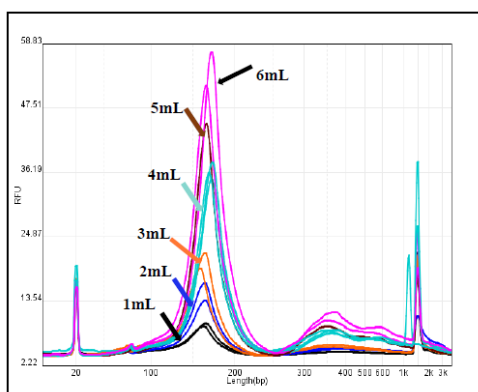


Table. Comparable Alu115 amount and cfDNA integrity score of cfDNA from 2, 4 mL serum/plasma of healthy donors with L91C extraction kit are compared to competitor T.

Kit	Sample	Sample Volume	cfDNA integrity test	
			Alu115 (pg)	Alu247/Alu115 ratio
91C	Serum	2 mL	1172.4	0.24
		4 mL	2555.7	0.31
	Plasma	2 mL	802.6	0.48
		4 mL	1424.6	0.49
Competitor T	Serum	2 mL	897.6	0.33
		4 mL	2074.7	0.33
	Plasma	2 mL	797.3	0.50
		4 mL	999.1	0.51

Sample Description	Test	Instrument	Reference No.	Ordering No. (IVD)
Cell-free DNA Auto kit	48	M2410	L91C045	301411
Cell-free DNA Auto Plate	24	M2410	L91CA24	301675
Cell-free DNA Auto Plate	24	Switch 8	S91CA24	Coming Soon...



### Rapid

Highly efficient, convenient and time-saving



### Efficacy

Suitable for large volume sample



### Quality

High integrity of purified cfDNA suitable for PCR, qPCR, NGS analysis



### Safety

No toxic solvents throughout the whole extraction process



TANBEAD



LinkedIn

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