

# TANBead® Nucleic Acid Extraction Kit

## OptiPure Blood DNA Extraction (61E)

**TANBead® OptiPure Blood 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 DNA from human whole blood, frozen blood, and buffy coat. The purified DNA can be used with any downstream application employing PCR-based qualitative, semi-quantitative and quantitative assays. 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-based HLA-typing and NGS analysis
Sample	300 µL whole blood, frozen blood, or buffy coat are recommended for each test
Purification technology	Automation Magnetic beads
Typical yield	≥ 2 µg
Typical A260/A280	≥ 1.7
Operation Time	50 - 60 min

Table. Additionally, DNA content in whole blood sample is about 30-60 ng/µL. The result indicated the recovery rate of TANBead blood DNA Extraction Kit (M61EA46) is 90.3% for fresh blood and 77.7% for frozen blood.

Reagent	M61EA46					
	Fresh Blood			Frozen Blood		
Sample	Total DNA (ug)	Recovery Rate (%)	Average Recovery Rate (%)	Total DNA (ug)	Recovery Rate (%)	Average Recovery Rate (%)
1	6.89	91.8	90.3	5.73	76.4	77.7
2	6.71	89.5		5.95	79.3	
3	6.73	89.7		5.82	77.6	



### Rapid

Highly efficient, convenient and time-saving



### Efficacy

Provide choices for different sample inputs, such as 8, 48, 96 tests per run



### Quality

High-quality DNA suitable for PCR, qPCR, HLA-typing, NGS



### Comprehensive

Not limited to any specific disorder, condition



Sample Description	Test	Instrument	Reference No.	Ordering No. (IVD)
Blood DNA Auto Plate	96	SLA 32/ E132	61EA46	301236
Blood DNA Auto Tube	96	SLA 32/ E132	61ES46	301237
Blood DNA Auto Plate	96	M8/ M4800 series	M61EA46	301128
Blood DNA Auto Tube	96	M8/ M4800 series	M61ES46	301129
Blood DNA Auto Plate	96	M9600 series	W61EA46	301188
Blood DNA Auto Tube	72	M9600 series	W61ES66	301189



TANBead



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