

# TANBead® Nucleic Acid Extraction Kit

## FFPE DNA Extraction (61P)

TANBead® FFPE 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 formalin-fixed paraffin-embedded (FFPE) tissue sections. 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.

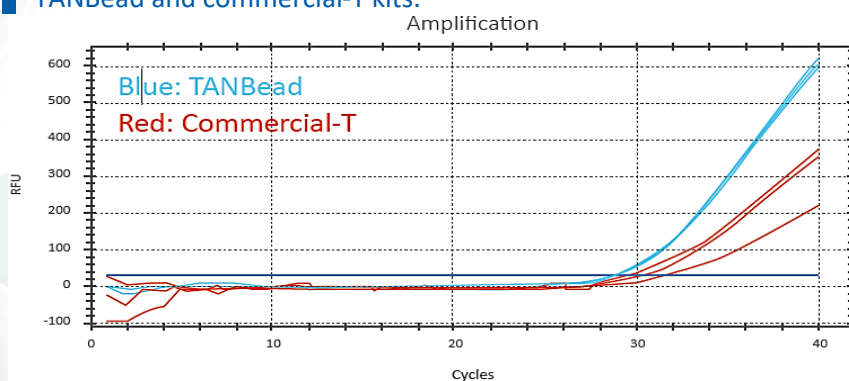
Feature	Specification
Application	PCR, qPCR, sanger sequencing, etc.
Sample	At least >5 $\mu\text{m}$ slices or curls are recommended for each test
Purification technology	Automation Magnetic beads
Typical yield	$\geq 2 \mu\text{g}$
Typical A260/A280	1.7~1.9
Operation Time	20 - 30 min



Table. The comparison of nucleic acids extraction performance between TANBead FFPE kits and Commercial-T FFPE kits in extracting 20 mg pig liver FFPE samples.

Extraction System	Conc. (ng/ $\mu\text{L}$ )	Yield ( $\mu\text{g}$ )	A260/280
TANBead	137.65 $\pm$ 6.55	11.01 $\pm$ 0.52	1.91 $\pm$ 0.01
Commercial-T	91.67 $\pm$ 0.76	7.70 $\pm$ 0.06	2.00 $\pm$ 0.01

Figure. The qPCR amplification curves of FFPE DNA extracted with TANBead and commercial-T kits.



Sample Description	Test	Instrument	Reference No.	Ordering No. (IVD)
FFPE DNA Auto Plate	96	SLA 32/ E132	61PA46	301587
FFPE DNA Auto Tube	96	SLA 32/ E132	61PS46	301588
FFPE DNA Auto Plate	96	M8/ M4800 series	M61PA46	301152
FFPE DNA Auto Tube	96	M8/ M4800 series	M61PS46	301153
FFPE DNA Auto Plate	96	M9600 series	W61PA46	301629
FFPE DNA Auto Tube	72	M9600 series	W61PS66	301630



### Rapid

Highly efficient, convenient and time-saving



### Efficacy

Only 5  $\mu\text{m}$  thick FFPE sample is enough for use



### Quality

High-quality DNA suitable for PCR, qPCR, sequencing



### Safety

No toxic solvents throughout the whole extraction process



TANBead



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