

TANBead® Nucleic Acid Extraction Kit

Stool Cell DNA Extraction (6SC)

TANBead® Stool Cell 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 high-quality microbial and host DNA from stool of human and other species. 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	50 mg stool sample
Purification technology	Automation Magnetic beads
Typical yield	≥ 2 µg
Typical A260/A280	1.7-1.9
Operation Time	40-55 min

Figure. The extracted stool DNA was subjected to 16S rDNA(indicates bacteria) qPCR analysis, and the Ct values of samples extracted with 6SC kit were lower than that extracted with commercial-Q kit

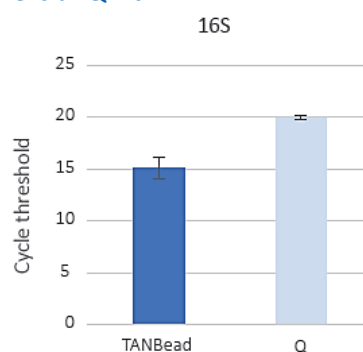
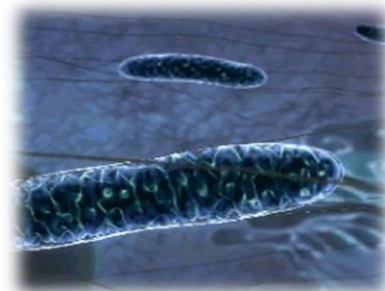


Table. The performance of the TANBead Stool Cell DNA extraction kit was conducted with various animal stool specimens.

50 mg of various animal stool specimens		DNA yield (µg)
Omnivorous	Cat	27.37±0.62
	Dog	17.14±0.36
Herbivorous	Rabbit	28.07±0.21
	Chinchilla	28.65±0.18
	Goat	20.10±0.51
	Tortoise	28.16±0.60
	Guinea pig	27.62±1.16
	Cow	29.48±0.46



Sample Description	Test	Instrument	Reference No.	Ordering No. (IVD)
Stool Cell DNA Auto Plate	96	SLA 32/ E132	6SCA46	301397
Stool Cell DNA Auto Tube	96	SLA 32/ E132	6SCS46	301398
Stool Cell DNA Auto Plate	96	M8/ M4800 series	M6SCA46	301387
Stool Cell DNA Auto Tube	96	M8/ M4800 series	M6SCS46	301388
Stool Cell DNA Auto Plate	96	M9600 series	W6SCA46	301392
Stool Cell DNA Auto Tube	72	M9600 series	W6SCS66	301391



Rapid

Highly efficient, convenient and time-saving



Efficacy

Only 50 mg stool sample is enough for use



Quality

High-quality DNA suitable for PCR, qPCR, sequencing



Safety

No toxic solvents throughout the whole extraction process



TANBEAD



Linkedin

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