

MagaBio FFPE Tissue Genomic DNA Extraction Kit

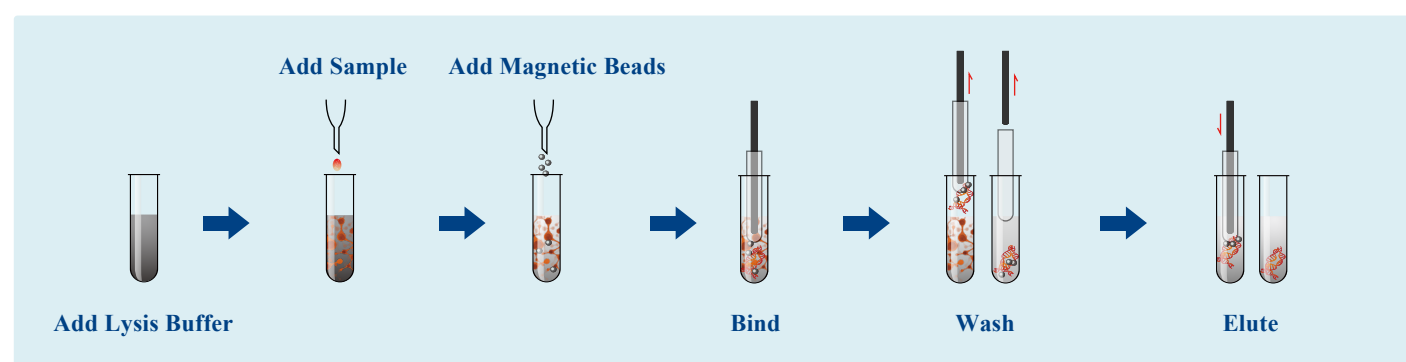
Product Introduction

This kit used to extract high—purity DNA from FFPE tissue sections, with non-toxic deparaffinization solution , high-performance lysis buffer to release DNA from FFPE efficiently .MagaBio sample processing is based on proprietary magnetizable particles--MagaBio. The pure DNA can be applied extensively in PCR, sequencing, Southern hybridization, mutant analysis, SNP and the others.The kit uses non-toxic deparaffinization solution, which can avoid the harm to the laboratory staff. The kit is very easy to use and 96 samples of genomic DNA can be simultaneously purified in one time with Bioer GenePure 96 nucleic acid purification system.



- **High safety:** The product uses non-toxic deparaffinization solution and does not contain xylene and other organic reagents, safe and non-toxic;
- **Easy to use:** The treated plasma can be directly added into the 96 deep-well plate for purification and the operation is simple.
- **Fast and efficient:** 96 samples of genomic DNA can be simultaneously purified within 40 minutes.
- **High yield of genomic DNA:** Unique lysis solution allows rapid release of high purity DNA from samples.

Principle



Specifications

Parameters	Notes
Sample type	FFPE samples & Formalin fixed tissue samples
Volume of sample	Up to 8 sections, each with a thickness of up to 10 μm and a surface area of up to 5×5 mm
Operation time	<40min
Support Instrument	GenePure Pro (NPA-32P) /GenePure 96(NPA-96)
Storage Condition	2-30°C

Application Cases

FFPE tissue samples from 4 tumor patients were collected, and 2 sections were taken from each sample. Genomic DNA was purified with the MagaBio FFPE Tissue Genomic DNA Extraction Kit, and the concentration and purity of extracted products were detected by NanoDrop test. The test results are as follows:

Sample ID	Nucleic Acid(ng/μL)	OD260/280	OD 260/230
1	30.5	2.00	1.82
2	42.8	2.02	1.91
3	68.1	1.89	1.52
4	87.8	1.94	1.81

Table 1 The concentration and purity of paraffin sections from 4 tumors by NanoDrop test

The extracted products were tested with EGFR gene mutation detection kit (Real-time PCR method) and the detection results were as follows:

Samples	1	2	3	4	Positive Control	Negative Control
Result	L858R mutation	L858R mutation	Negative	G719X mutation	Clear	Clear

Table 2 FAM detection results of mutated loci genes

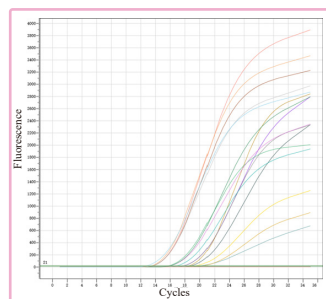


Figure 1 FAM detection results of mutated loci genes

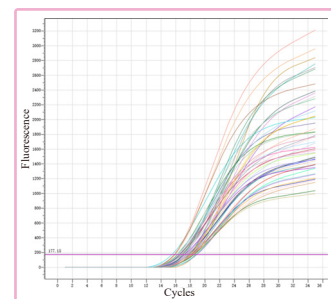


Figure 2 Human internal reference test result of HEX channel

Results: The experimental results show that the product can stably extract DNA from 1-4 FFPE tissue samples, and the purified product can be directly used in downstream test. It is consistent with the clinical diagnosis result and proves that the product has good performance.

Ordering Information

Product Name	Cat.No	Package (Tests/Kit)
MagaBio FFPE Tissue Genomic DNA Extraction Kit	BSC31S1	50T
	BSC31M1	100T
	BSC31S1C	32T
	BSC31S1E	32T
	BSC31S1S	32T
	BSC31M1E	48T
	BSC31L1E	96T



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