

MagaBio plus General Genomic DNA Purification Kit II

Product introduction

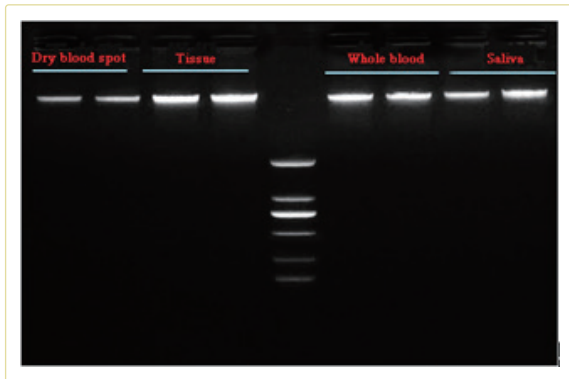
This kit is designed for rapid and reliable isolation of high-quality genomic DNA from blood, tissue, saliva, buccal swabs, cultured cells, and dry blood spots. This system provides a fast and convenient method to isolated DNA from a variety of samples. High-quality DNA is suitable for direct use in most downstream applications.

Features

- 1** Wide applications: It can extract whole blood (fresh anticoagulated whole blood, frozen blood, bone marrow blood), saliva, oral swabs, animal tissues, dried blood spots and other samples.
- 2** Fast, efficient, and high-throughput extraction of high-quality genomic DNA.
- 3** Convenient: Different samples can be extracted on the instrument at the same time using the same procedure.
- 4** The purified DNA can be used directly in downstream experiments.

Experimental result

Experiment 1 Utilize this kit to extract DNA from samples of dried blood spots, tissues, whole blood and saliva. The extracted products are detected by ultra-micro UV spectrophotometer and agarose gel electrophoresis. The results are as follows:



a. 1% agarose gel electrophoresis graph

Samples	NanoDrop Con.(ng/μL)	OD260/OD280	OD260/OD230	Qubit Con.(ng/μL)	Nano/Qubit
Dry blood spots 3mm×8	27.30	1.84	1.43	20.90	1.31
Dry blood spots 3mm×8	24.20	1.86	1.43	17.80	1.36
30mg Kidney tissue	262.10	1.88	2.09	263.00	1.00
30mg Kidney tissue	250.50	1.88	2.02	252.00	0.99
250μL Anticoagulant whole blood	226.80	1.89	2.01	193.40	1.17
250μL Anticoagulant whole blood	197.30	1.92	2.12	172.40	1.14
250μL Saliva	123.10	1.83	1.99	92.00	1.34
250μL Saliva	241.70	1.81	2.21	204.00	1.18

b. Result of ultra-micro UV spectrophotometer

Experiment 2 This kit was used to extract DNA from samples of human bone marrow blood, and the extracted products were detected by ultra-micro UV spectrophotometer. The results are as follows:

Samples	NanoDrop Con.(ng/μL)	OD260 /OD280	OD260 /OD230	Qubit Con.(ng/μL)	Nano /Qubit
250μL Bone marrow blood-1	1555.60	1.89	2.31	1056.00	1.47
250μL Bone marrow blood-2	1624.20	1.89	2.32	1052.00	1.54
250μL Bone marrow blood-3	1308.10	1.91	2.34	1143.00	1.14

Samples	NanoDrop Con.(ng/μL)	OD260 /OD280	OD260 /OD230	Qubit Con.(ng/μL)	Nano /Qubit
250μL Bone marrow blood-4	1580.00	1.89	2.30	884.00	1.79
250μL Bone marrow blood-5	1906.80	1.88	2.14	668.00	2.85
250μL Bone marrow blood-6	1419.20	1.88	2.29	607.50	2.34

* The results showed that MagaBio plus General Genomic DNA Purification Kit II can efficiently extract genomic DNA from samples of human bone marrow blood, and the isolated DNA has high concentration, good purity and complete fragments.

Cat#	Product Name	Package	Remarks
BSC74T1S / BSC74T1E	MagaBio plus General Genomic DNA Purification Kit II	16T	Transportation at room temperature, 2~8 storage
BSC74S1S / BSC74S1E	MagaBio plus General Genomic DNA Purification Kit II	32T	Transportation at room temperature, 2~8 storage
BSC74M1S / BSC74M1E	MagaBio plus General Genomic DNA Purification Kit II	48T	Transportation at room temperature, 2~8 storage
BSC74S1B	MagaBio plus General Genomic DNA Purification Kit II	50T	Transportation at room temperature, 2~8 storage
BSC74L1S / BSC74L1E	MagaBio plus General Genomic DNA Purification Kit II	96T	Transportation at room temperature, 2~8 storage
BSC74M1B	MagaBio plus General Genomic DNA Purification Kit II	100T	Transportation at room temperature, 2~8 storage