



MagaBio Blood Spots Genomic DNA Purification Kit

The kit provides a very simple, fast and cost effective technique to isolate high quality DNA. Using one simple protocol, high yield of purified DNA can be isolated from blood spots. 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. According to the special interaction, use MagaBio nucleic acid separation system with a general protocol---sample processing, MagaBio adsorption, washing and elution, and can go high-throughput.

Name	Description
Sample size for one time	3 ~ 9 pieces of 3×3mm dry blood spots were taken
DNA purity	OD260/OD280: 1.7~2.0
DNA yield	500ng~1μg

Features

- 1 Rapid and efficient purification of genomic DNA from dried blood spots
- 1 Ultra-pure: the extracted DNA has high purity, which can be directly used in PCR, enzyme digestion, hybridization and other molecular biological experiments
- 1 Suitable for all kinds of automatic operation platform

Experimental Results

A. DNA was extracted from 1 to 9 blood spots, and the fluorescence quantitative detection results of human β -actin were obtained

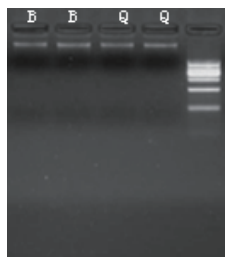
Sample	List	SYBR Ct value
1 piece	(A1)	20.82
1 piece	(A2)	20.15
3 pieces	(A3)	18.89
3 pieces	(A4)	19.99
5 pieces	(A5)	18.13
5 pieces	(A6)	18.85
7 pieces	(A7)	17.76
7 pieces	(A8)	17.93
9 pieces	(A9)	16.91
9 pieces	(A10)	16.93
Negative control	(A11)	No Ct



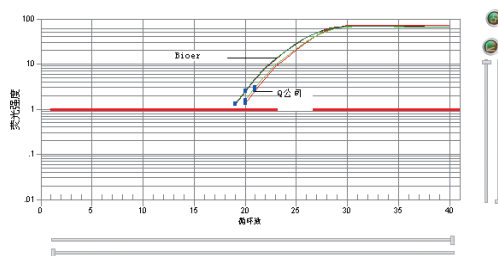
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B. Collect blood from the same healthy person with blood collection card and compare with similar products of Q Company

(Fig. 1) 1% agarose gel electrophoresis



Fluorescent quantitative PCR(compared with similar kits from Q Company)



Sample	SYBR Ct value
Bioer1	17.97
Bioer2	17.65
Q1	18.35
Q2	18.48
Negative control	No Ct

Cat#	Product Name	Package	Notes
BSC34S1	MagaBio Blood Spots Genomic DNA Purification Kit	50T	stored at 2~8°C
BSC34M1	MagaBio Blood Spots Genomic DNA Purification Kit	100T	stored at 2~8°C
BSC34S1C	MagaBio Blood Spots Genomic DNA Purification Kit	32T	stored at 2~8°C