

MagaBio Bacterium DNA Purification Kit III



Bioer Technology care for life with science and technology

Product Introduction

MagaBio Bacterium DNA Purification Kit III is used for extraction and purification of bacterium DNA. The DNA purified by this kit is suitable for various downstream molecular biology applications such as qPCR, gene sequencing, and nucleic acid mass spectrometry.

This kit adopts unique lysis buffer and magnetic bead separation and purification technology, which has increased the binding ability of nucleic acid and shortened the operation time. It can be used with automated nucleic acid purification instruments.

Product Features



Safety and environmental protection

Reagent products do not contain toxic ingredients



Easy to use

After water bath lysis, bacterial samples can be directly added into the pre-packaged plate for purification, suitable for automatic operation.



Rapid extraction

For G+ bacteria that are particularly difficult to lyse, the test can be finished within 1.5h.



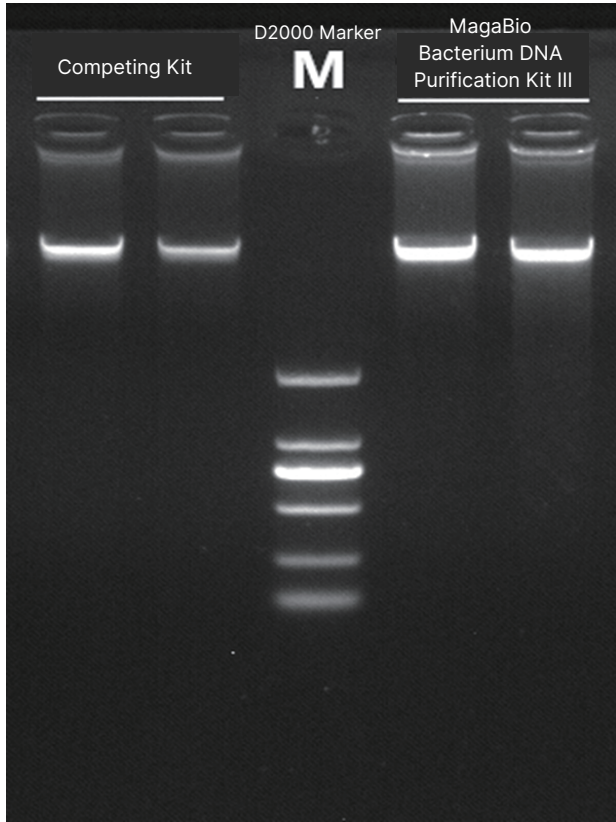
Sample size range

The recommended specimen volume is up to 2×10^9 bacteria,

Application Cases

Case 1

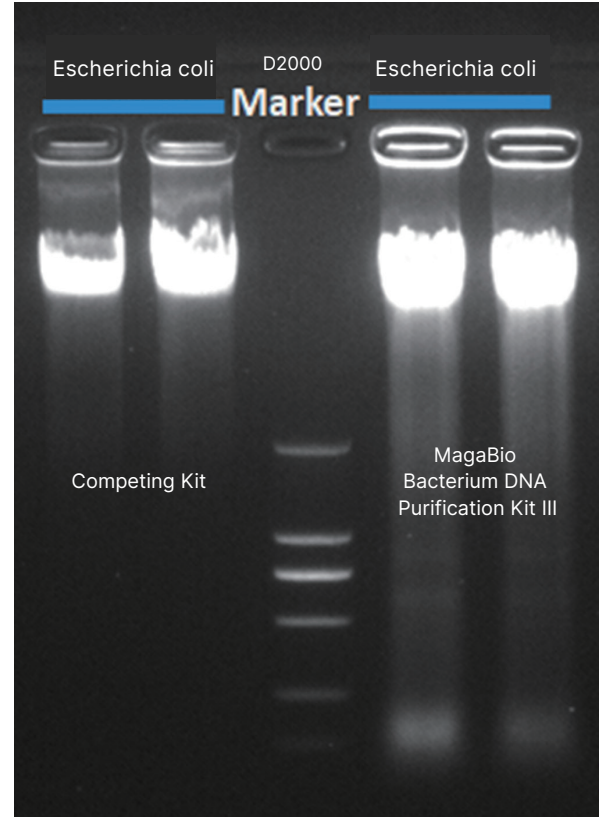
Gram-positive bacteria-Bacillus BC1 was collected in 1ml culture solution, and nucleic acid was extracted with this kit and competing kit for comparative test. The test data is as follows:



Sample ID	MagaBio Bacterium DNA Purification Kit III		Competing Kit	
	Nucleic Acid (ng/μL)	260/280	Nucleic Acid (ng/μL)	260/280
Bacillus BC1	244.3	2.15	136.9	1.72
	231.9	2.10	131.5	1.70

Case 2

The test data of this kit compared with other competing kits for the extraction of Gram positive bacteria (Escherichia coli) collected in 1ml culture solution were as follows:



Sample ID	MagaBio Bacterium DNA Purification Kit III		Competing Kit	
	Nucleic Acid (ng/μL)	260/280	Nucleic Acid (ng/μL)	260/280
Escherichia coli	868.9	2.12	467.2	1.75
	816	2.06	363.8	1.74

Result: The kit can extract a variety of Gram-positive bacteria, and compared with other competing kits, MagaBio Bacterium DNA Purification Kit III has higher extraction efficiency, meet good product performance indicators and can provide stronger stability in the extraction experiment.

Product Informations

Product Name	Cat. No	Package	Note:
MagaBio Bacterium DNA Purification Kit III	BSC96S1E	32T	Storage condition: 2°C ~25°C
MagaBio Bacterium DNA Purification Kit III	BSC96S1B	50T	
MagaBio Bacterium DNA Purification Kit III	BSC96M1B	100T	
MagaBio Bacterium DNA Purification Kit III	BSC96M1E	48T	
MagaBio Bacterium DNA Purification Kit III	BSC96L1E	96 T	