



Biospin Bacteria Genomic DNA Extraction Kit

Biospin Bacteria Genomic DNA Extraction Kit provides a very simple, fast and economic way to isolate pure high molecular-weight genomic DNA from all kinds of Bacteria cells, including Gram-Negative Bacteria cells and Gram-Positive Bacteria cell. The simple purification procedure, based on the remarkable selectivity of Biospin membrane, allows isolation of high yields of pure genomic DNA within less than 1 hour. It doesn't require any expensive equipment, or toxic reagents. In general, the Kit can get at most 30µg genomic DNA from 5×10^9 Bacteria cells. The pure DNA can be applied extensively in PCR/Real-time PCR, sequencing, Southern blot, mutant analysis, SNP and the others.

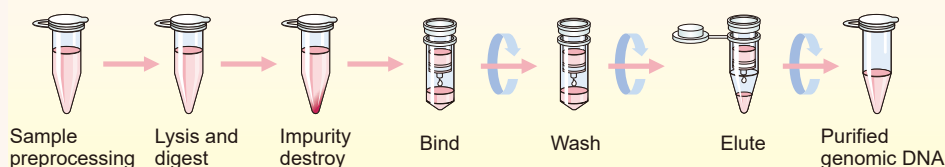
Item	Description
DNA Purity	OD_{260}/OD_{280} : 1.7~2.0
Max. Sample Volume	5×10^9 Bacteria cells
Sample Source	Gram-Negative and Gram-Positive Bacteria

Features

- 📌 Fast and simple; all the work can be finished within 1hr
- 📌 Safe, non-toxin, no need of phenol/chloroform extraction
- 📌 Good DNA integrity
- 📌 Suitable for Gram-negative or Gram-positive bacteria

Procedure

Collected bacteria



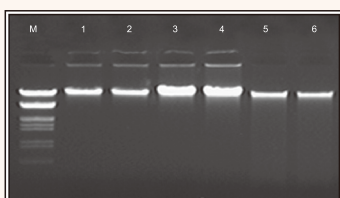
Experimental Data

Sample:

- 1、2 *Escherichia coli*
- 3、4 *Neisseria gonorrhoeae*
- 5、6 *Bacillus subtilis*

Compared with Similar products: B: Biospin Q: the product from Q company

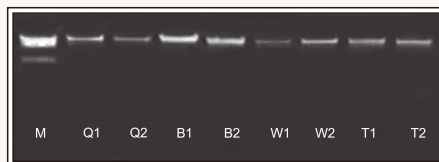
W: the product from W company T: the product from T company



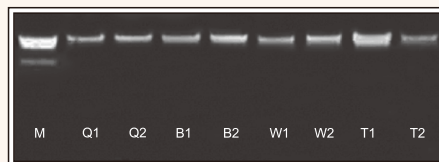
(Figure 1) *Escherichia coli*



(Figure 2) *Neisseria gonorrhoeae*



(Figure 3) *Staphylococcus aureus*



(Figure 4) *Sacillus subtilis*



Important Notes:

Suggestion: samples to be cultured for 14-16 hours in the LB culture medium with the conditions of 37°C and 300rpm.
For some capsule bacteria, please extend the lysis time for easy extraction. If you have any special questions in the extraction process, please contact us to solve together.

Cat#	Product Name	Package	Remarks
BSC12S1	Biospin Bacteria Genomic DNA Extraction Kit	50T	Stored at room temperature (Protease K stored at 2~8°C)
BSC12M1	Biospin Bacteria Genomic DNA Extraction Kit	100T	Stored at room temperature (Protease K stored at 2~8°C)

*RESEARCH USE ONLY