PRODUCT INFORMATION

# One-Tube Bacterial Genomic DNA Extraction Kit

***Product information for BS8413/BS8414:***

## Kit Contents

| Components | BS8413, 100 Preps | BS8414, 500 Preps |
|---|---|---|
| Lysis-Buffer-B | 10 ml | 50 ml |
| Universal Buffer NST | 10 ml | 50 ml |
| Protocol | 1 | 1 |

## Storage and Stability

Transportation at ambient temperature, Upon receipt, store kit at 4 °C. Valid for 1 year.



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## Introduction

The kit is designed for rapid small-scale extraction of high quality genomic DNA from a variety of Gram negative or Gram positive bacteria. Purified DNA can be used for PCR.

## Features

Fast. It takes less than 10 minutes.
Simple. No phenol/chloroform extraction, no ethanol precipitations are required.
Economic.

## Procedures

1. Transfer 0.1-0.2 ml overnight culture (about 2 x $10^9$ cells) into a microcentrifuge tube and centrifuge at 10,000 x *g* for 30 seconds, discard supernatant.

2. Add 100 µl Lysis-Buffer-B to the microcentrifuge tube, mix by vortexing.

3. Incubate the sample at 65 °C for 5 min.

Note: Samples may not be completely digested at the end of the incubation, but incomplete digestion does not affect PCR performance.

5. Add 100 µl Universal Buffer NST, invert the tube for about 10 times or vortexing to mix thoroughly.

6. The mixture can be used as PCR template directly. The volume of this template should not exceed 1/10 of the total PCR reaction volume.

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Note: No spin step is required.

7. Save the remaining samples at -20°C.

Note 1: The DNA may not be sufficient for electrophoresis analysis.

Note 2: For long term storage, remove undigested tissue and transfer the extracts to a new tube. Keep at -20°C



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**PRODUCTS ARE INTENDED FOR BASIC SCIENTIFIC RESEARCH ONLY!**
**NOT INTENDED FOR HUMAN OR ANIMAL USE!**

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