

## Bacterial Total Protein Extraction Reagent

**Catalog#** BWR1012

**Size:** 50 -100 assays

**Lot #** Check on the product label

### Introduction

The Bacterial Total Protein Extraction Reagent contains a gentle and nonionic detergent formulation which can quickly and efficiently extract the total protein from bacteria without mechanical disruption. This reagent provides easy operation with high yields of the proteins.

### Kit Components

Components	Size	Storage Instruction
Bacterial Total Protein Extraction Reagent	10 ml	Store at 4°C for one year.

### Protocol

1. Pellet bacterial cells by centrifugation at 1000 × g for 5 minutes. Aspirate the supernatants from the pellet. Suspend the bacterial cells with PBS, centrifuge and discard PBS then.
2. Suspend the cell pellet with the precooling Bacterial Total Protein Extraction Reagent at ratio 1:10-50 (i.e. Suspend 100µl of cell pellet with 1-5 ml of Extraction Reagent) for 30-60 minutes, and keep shaking during this process.
3. If necessary, lysis the cell pellet with the maximal frequency shortly for 4 times, 10-30 seconds each with an ultrasonicator (Power: do not produce scum). Reduce the temperature of the cell pellet with ice water with the ultrasonic interval.
4. Centrifuge the lysate at 10,000 × g for 10 minutes at 4°C.
5. Carefully transfer the supernatant to another tube, making sure not to disturb the insoluble pellet. And put the tube on ice for future use. (**Note:** If necessary, remove the agglomerative protein by centrifugation at 10,000 × g for 30 minutes at 4°C. Then carefully transfer the supernatant to another tube and put it on ice for future use.)
6. The supernatant can be used for protein assay or related protein assays.

FOR RESEARCH USE ONLY, NOT FOR DIAGNOSTIC AND CLINICAL USE.

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