

ReadiUse™ bacterial cell lysis buffer *5X*

Catalog number: 24100

Unit size: 10 mL

Component	Storage	Amount
ReadiUse™ bacterial cell lysis buffer *5X*	Refrigerate (2-8 °C)	10 mL

OVERVIEW

Cell lysis refers to the breaking down of cells, and it is often used to analyze specific cellular compositions such as proteins, lipids, nucleic acids, reporter molecules, cell signal molecules and other small biomolecules. Depending upon the detergents used, either all or some membranes are lysed. ReadiUse™ reagents require minimal hands-on time. This bacterial cell lysis buffer just requires a simple 5-fold dilution. It is widely used for lysing cells for quantifying small biological molecules such as NAD(P)/NAD(P)H measurement in bacteria.

you have any questions.

AT A GLANCE
Important

Expiration date is 6 months from the date of receipt.

PREPARATION OF WORKING SOLUTION

ReadiUse™ bacterial cell lysis buffer working solution (1X):

Add 1 mL of ReadiUse™ bacterial cell lysis buffer (5X) into 4 mL of Mili-Q water, and mix them well.

SAMPLE EXPERIMENTAL PROTOCOL

1. Prepare bacterial cell samples by collecting bacterial cells via centrifugation (10,000 g, 0°C, 15 minutes). Use about 100 to 10 million cells/mL of ReadiUse™ lysis buffer working solution (1X), keep the treated solution at room temperature for 15 minutes.
2. Centrifuge at 2500 rpm for 5 minutes, and use the supernatant for further biochemical analysis.

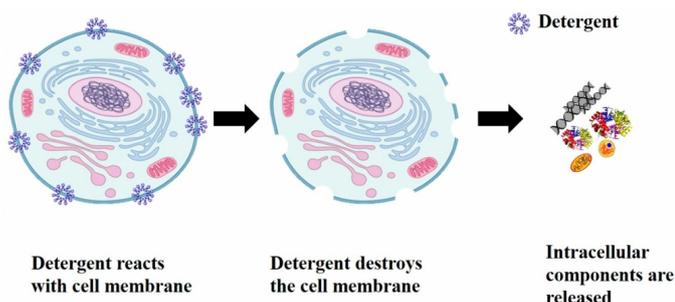
EXAMPLE DATA ANALYSIS AND FIGURES


Figure 1. Cell lysis refers to the breaking down of cells, and it is often used to analyze specific cellular compositions such as proteins, lipids, nucleic acids, reporter molecules, cell signal molecules and other small biomolecules. Depending upon the detergents used, either all or some membranes are lysed. ReadiUse™ reagents require minimal hands-on time. This bacterial cell lysis buffer just requires a simple 5-fold dilution. It is widely used for lysing cells for quantifying small biological molecules such as NAD(P)/NAD(P)H measurement in bacteria.

DISCLAIMER

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