

Product Information

Bacterial Pre-Lysis Buffer, 50 mL

C/No. K.BUF-9105-50ml
Packaging 50 mL
Storage Room Temperature
(21 °C – 25 °C)

Apical Scientific Sdn Bhd
No. 17, Jalan BS 7/1C,
Taman Perindustrian Bukit
Serdang, 43300
Seri Kembangan, Selangor



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Description

Bacterial Pre-Lysis Buffer is a ready-to-use solution designed to assist in the efficient lysis of both Gram-positive and Gram-negative bacteria. Used together with lysozyme, it helps weaken and break down the bacterial cell wall, enabling effective cell disruption and nucleic acid release. This step improves the overall efficiency of downstream genomic DNA extraction procedures.

Applications

- Genomic DNA extraction

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Quality Control

Bacterial Pre-Lysis buffer has been tested with the extraction of bacterial genomic DNA from *Bacillus* using PrimeWay Genomic II DNA Extraction Kit (KIT-9022-50). The quality of genomic DNA has been evaluated with spectrophotometer, and agarose and gel electrophoresis. The functionality of the genomic DNA is evaluated with PCR amplification of the 16S region.

Assay:

DNA Assay

Specification:

Absorbance with the ratio 260/280 between 1.7 – 2.0 was obtained. Single intact genomic DNA band was observed.

PCR Assay

The 16S region was amplified from the purified genomic DNA.

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