

## Product Information

### Bacterial/ Fungal Lysis Buffer, 50 mL

|                  |                                     |
|------------------|-------------------------------------|
| <b>C/No.</b>     | K.BUF-9103-50ml                     |
| <b>Packaging</b> | 50 mL                               |
| <b>Storage</b>   | Room Temperature<br>(21 °C – 25 °C) |

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



#### Description

Bacterial/Fungal Lysis Buffer is designed for nucleic acid extraction from pure bacterial or fungal isolates. The buffer requires supplementation with Proteinase K enzyme (not provided) to facilitate cell lysis and protein degradation. This solution-based extraction method utilizes a high-salt formulation to efficiently release nucleic acids suitable for downstream molecular applications. Samples may be derived from agar plate isolates or cell pellets obtained from liquid cultures.

#### Applications

- Nucleic acid extraction

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#### Quality Control

##### PCR Assay

###### Bacterial

Nucleic acid was extracted from cut agar of bacterial colony. 1.5 kb of 16S rRNA region was amplified from extracted nucleic acid.

###### Fungal

Nucleic acid was extracted from cut agar of fungal. 700 bp of ITS region was amplified from extracted nucleic acid.

##### Sequencing Assay

###### Bacterial

1.5kb of 16S rRNA region amplified from extracted nucleic acid was sequenced using Sequencing Primers: 785F and 907R.

###### Fungal

700bp of ITS region amplified from extracted nucleic acid was sequenced using Sequencing Primers: SPF and SPR.

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