

PRODUCT INFORMATION

**Dilution Buffer
for Restriction Enzymes**

#B19 5 x 1 ml

Lot:

Store at -20°C



BSA included

Description

Dilution Buffer is recommended for the dilution of restriction enzymes for applications that require low enzyme concentrations. The diluted enzymes retain 50-100% activity for up to one month.


1X Buffer Composition

10 mM Tris-HCl (pH 7.4 at 25°C), 100 mM KCl,
1 mM EDTA, 1 mM DTT, 0.2 mg/ml BSA, 50% glycerol.

CERTIFICATE OF ANALYSIS

Endo- and Exonucleases Assay

Single stranded and double stranded radiolabeled oligonucleotides are incubated with the buffer at 37°C for 16 hours, separated on polyacrylamide gel and analyzed by phosphoimaging. No signs of radiolabeled oligo degradation is considered as the absence of endo- and exonucleases activities.

Quality authorized by:  Jurgita Zilinskiene

www.thermoscientific.com/fermentas

Rev.4

Important Note

This buffer contains BSA. In order to avoid the risk of bacterial growth, do not store buffer containing BSA at 4°C for periods longer than one week. If buffer is to be stored at 4°C it should be aliquoted into small portions and the main stock should be kept at -20°C.

PRODUCT USE LIMITATION

This product is developed, designed and sold exclusively *for research purposes and in vitro use only*. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.

Please refer to www.thermoscientific.com/fermentas for Material Safety Data Sheet of the product.