

User Manual

Version 3.0

Product name: Exonuclease I (*E. coli*)

Cat #: NI-100, NI-200, NI-OEM, B-EIB10

Description:

Exonuclease I cleaves single-stranded DNA in the 3' → 5' direction, releasing 5'-mono/di-nucleotides and leaving double-stranded DNA molecules and the 5'-terminus intact. The enzyme is processed through digestion and is inhibited by the presence of a 3'-terminal phosphate. Exonuclease I is tolerant of a wide range of buffer conditions and can typically be added to reactions containing magnesium.

Protocol:

Set-up the reaction as follow:

DNA up to 1 µg
10 X Exonuclease Buffer 5 µl
Exonuclease I, *E. coli* 1 µl (20 units)
H₂O up to 50 µl

Incubate at 37°C for 1-4 hour

Heat inactivate at 80°C for 20 min