

New England Biolabs Certificate of Analysis

Product Name: NEBExpress[®] GamS Nuclease Inhibitor
 Catalog Number: P0774S
 Concentration: 1.5 mg/ml
 Packaging Lot Number: 10202105
 Expiration Date: 07/2025
 Storage Temperature: -20°C
 Storage Conditions: 50 mM Tris-Acetate (pH 8.2 @ 25°C)
 Specification Version: PS-P0774S v1.0

NEBExpress [®] GamS Nuclease Inhibitor Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
P0774SVIAL	NEBExpress [®] GamS Nuclease Inhibitor	10198004	Pass

Assay Name/Specification	Lot # 10202105
<p>Functional Testing (GamS, Inhibition) A 50 µl reaction in 1X NEBuffer 4 supplemented with 1 mM ATP containing 10 units of Exonuclease V (RecBCD) and a minimum of 0.2 µg of NEBExpress[™] GamS Nuclease Inhibitor incubated for 30 minutes at 37°C results in ≥90% inhibition as determined by scintillation counting.</p>	Pass
<p>Protease Activity (Non-Specific, SDS-PAGE) A 20 µl reaction in 1X NEBuffer 4 supplemented with 1 mM ATP containing 24 µg of a standard mixture of proteins and a minimum of 2 µg of NEBExpress[™] GamS Nuclease Inhibitor was incubated for 20 hours at 37°C. After incubation, no detectable degradation of the protein mixture was determined by SDS-PAGE with Coomassie Blue detection.</p>	Pass
<p>Protein Purity Assay (SDS-PAGE) NEBExpress[™] GamS Nuclease Inhibitor is ≥ 95% pure as determined by SDS-PAGE analysis using Coomassie Blue detection.</p>	Pass

This product has been tested and shown to be in compliance with all specifications.

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Brad Landgraf
Production Scientist
21 Jul 2023



Michael Tonello
Packaging Quality Control Inspector
26 Jul 2023