

New England Biolabs Certificate of Analysis

Product Name: PURExpress[®] In Vitro Protein Synthesis Kit
 Catalog Number: E6800S
 Packaging Lot Number: 10171682
 Expiration Date: 11/2024
 Storage Temperature: -80°C
 Specification Version: PS-E6800S/L v2.0

PURExpress [®] In Vitro Protein Synthesis Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
P0760AVIAL	PURExpress [®] Solution B	10171299	Pass
N0424AVIAL	PURExpress Control DHFR Plasmid	10137950	Pass
B0228AVIAL	PURExpress Solution A	10171298	Pass

Assay Name/Specification	Lot # 10171682
<p>Functional Testing (Cell Free Protein Synthesis Assay) (DHFR) A 25 µl reaction in the presence of 250 ng PURExpress[®] Control DHFR Plasmid and 20 units RNase Inhibitor containing the components of the PURExpress[®] In Vitro Protein Synthesis Kit incubated for 2 hours at 37°C results in the expected 20 kDa product as determined by SDS-PAGE with Coomassie Blue detection.</p>	Pass
<p>Functional Testing (Cell Free Protein Synthesis Assay) (-galactosidase) A 25 µl reaction in the presence of 250 ng β-galactosidase template DNA and 20 units RNase Inhibitor containing the components of the PURExpress[®] In Vitro Protein Synthesis Kit incubated for 2 hours at 37°C results in the expected 116 kDa product as determined by SDS-PAGE with Coomassie Blue detection.</p>	Pass
<p>Functional Testing (Cell Free Protein Synthesis Assay) (Vent DNA Polymerase) A 25 µl reaction in the presence of 250 ng Vent DNA Polymerase template DNA and 20 units RNase Inhibitor containing the components of the PURExpress[®] In Vitro Protein Synthesis Kit incubated for 2 hours at 37°C results in the expected 89 kDa product as determined by SDS-PAGE with Coomassie Blue detection.</p>	Pass
<p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in PURExpress[®] In Vitro Protein Synthesis Kit and meet the designated specifications.</p>	Pass

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

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Ying Zhou
Production Scientist
15 Nov 2022



Josh Hersey
Packaging Quality Control Inspector
15 Nov 2022