

New England Biolabs Certificate of Analysis

Product Name: PURExpress[®] In Vitro Protein Synthesis Kit
Catalog Number: E6800S
Packaging Lot Number: 10156374
Expiration Date: 06/2024
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	10154183	Pass
N0424AVIAL	PURExpress Control DHFR Plasmid	10137950	Pass
B0228AVIAL	PURExpress Solution A	10154182	Pass

Assay Name/Specification	Lot # 10156374
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.	Pass
* 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.	Pass
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.	Pass
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.	Pass

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.

Cory Tuckey

Cory Tuckey
Production Scientist
27 Jun 2022

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
27 Jun 2022