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New England Biolabs
Certificate of Analysis

Product Name: *PURExpress® In Vitro Protein Synthesis Kit*
Catalog Number: *E6800L*
Packaging Lot Number: *10246952*
Expiration Date: *05/2026*
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	10244333	**Pass**
N0424AVIAL	PURExpress Control DHFR Plasmid	10214569	**Pass**
B0228AVIAL	PURExpress Solution A	10244332	**Pass**

Assay Name/Specification	Lot # 10246952
*** 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) (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**
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.

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05 Jun 2024

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07 Jun 2024