

New England Biolabs Certificate of Analysis

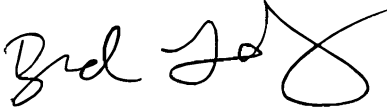
Product Name: PURExpress® In Vitro Protein Synthesis Kit
 Catalog Number: E6800L
 Packaging Lot Number: 10176105
 Expiration Date: 12/2024
 Storage Temperature: -80°C
 Specification Version: PS-E6800S/L v2.0

| PURExpress® In Vitro Protein Synthesis Kit Component List | | | |
|---|---------------------------------|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| P0760AVIAL | PURExpress® Solution B | 10173157 | Pass |
| N0424AVIAL | PURExpress Control DHFR Plasmid | 10137950 | Pass |
| B0228AVIAL | PURExpress Solution A | 10173158 | Pass |

| Assay Name/Specification | Lot # 10176105 |
|--|----------------|
| <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 |
| <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>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) (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 |

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

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Brad Landgraf
Production Scientist
06 Dec 2022



Nick Privitera
Packaging Quality Control Inspector
07 Feb 2023