

New England Biolabs Certificate of Analysis

Product Name: PURExpress[®] In Vitro Protein Synthesis Kit
 Catalog Number: E6800S
 Lot Number: 10021788
 Expiration Date: 08/2020
 Storage Temperature: -80°C
 Specification Version: PS-E6800S/L v1.0

| PURExpress [®] In Vitro Protein Synthesis Kit Component List | | | |
|---|------------------------------------|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| P0760AVIAL | PURExpress [®] Solution B | 10014118 | Pass |
| N0424AVIAL | Control (DHFR) template | 10014681 | Pass |
| B0228AVIAL | PURExpress Solution A | 10014093 | Pass |

| Assay Name/Specification | Lot # 10021788 |
|---|----------------|
| Functional Testing (Cell Free Protein Synthesis Assay) (DHFR) A 25 µl reaction in the presence of 250 ng E. coli DHFR 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 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 |
| * 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 |

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

Cory Tuckey

Cory Tuckey
Production Scientist
19 Jul 2018

Ying Zhou

Ying Zhou
Packaging Quality Control Inspector
06 Sep 2018