

New England Biolabs Certificate of Analysis

Product Name: PURExpress[®] In Vitro Protein Synthesis Kit
Catalog #: E6800S/L
Kit Components: PURExpress[®] Solution A (B0228)
 PURExpress[®] Solution B (P0760)
 PURExpress[®] Control (DHFR) template (N0424)

Lot #: 0221805
Assay Date: 05/2018
Expiration Date: 05/2020
Storage Temp: -80°C
Specification Version: PS-E6800S/L v1.0
Effective Date: 13 Jun 2018

Assay Name/Specification (minimum release criteria)	Lot #0221805
Functional Testing (Cell Free Protein Synthesis Assay) (DHFR) - A 25 µl reaction in the presence of 250 ng <i>E. coli</i> 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) (β-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



Authorized by
Derek Robinson
13 Jun 2018



Inspected by
Cory Tuckey
18 May 2018

