

New England Biolabs Certificate of Analysis

Product Name: PURExpress[®] In Vitro Protein Synthesis Kit
 Catalog Number: E6800S
 Lot Number: 10045359
 Expiration Date: 05/2021
 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	10045049	Pass
N0424AVIAL	Control (DHFR) template	10014681	Pass
B0228AVIAL	PURExpress Solution A	10045047	Pass

Assay Name/Specification	Lot # 10045359
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.

Corinna Tuckey

Cory Tuckey
Production Scientist
09 May 2019

Corinna Tuckey

Cory Tuckey
Packaging Quality Control Inspector
10 May 2019