

New England Biolabs Product Specification

Product Name: *E. coli Ribosome*
Catalog #: *P0763S*
Concentration: *13.3 μM*
Shelf Life: *24 months*
Storage Temp: *-80°C*
Storage Conditions: *30 mM KCl, 20 mM HEPES-KOH, 10 mM MgAC2, 7 mM β-mercaptoethanol, (pH 7.6 @ 25°C)*
Specification Version: *PS-P0763S v1.0*
Effective Date: *14 Jun 2018*

Assay Name/Specification (minimum release criteria)

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[®] Δ Ribosome Kit incubated for 2 hours at 37°C results in the expected 20 kDa product as determined by SDS-PAGE with Coomassie Blue detection.

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[®] Δ Ribosome Kit incubated for 2 hours at 37°C results in the expected 89 kDa product as determined by SDS-PAGE with Coomassie Blue detection.

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[®] Δ Ribosome Kit incubated for 2 hours at 37°C results in the expected 116 kDa product as determined by SDS-PAGE with Coomassie Blue detection.



Date 14 Jun 2018

Derek Robinson
Director of Quality Control

