

## New England Biolabs Certificate of Analysis

**Product Name:** *E.coli Ribosome*  
**Catalog Number:** P0763S  
**Lot Number:** 10045763  
**Expiration Date:** 05/2021  
**Storage Temperature:** -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

E.coli Ribosome Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
P0763SVIAL	E.coli Ribosome	10043084	Pass

Assay Name/Specification	Lot # 10045763
<b>Functional Testing (Cell Free Protein Synthesis Assay) (DHFR)</b> 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.	Pass
<b>Functional Testing (Cell Free Protein Synthesis Assay) (Vent DNA Polymerase)</b> 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.	Pass
<b>Functional Testing (Cell Free Protein Synthesis Assay) (-galactosidase)</b> 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.	Pass

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

*Cory Tuckey*

---

Cory Tuckey  
Production Scientist  
09 May 2019

*Cory Tuckey*

---

Cory Tuckey  
Packaging Quality Control Inspector  
30 May 2019