

## New England Biolabs Certificate of Analysis

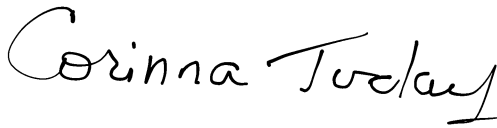
**Product Name:** PURExpress<sup>®</sup> RF123 Kit  
**Catalog Number:** E6850S  
**Lot Number:** 10030828  
**Expiration Date:** 12/2020  
**Storage Temperature:** -80°C  
**Specification Version:** PS-E6850S v1.0

PURExpress <sup>®</sup> RF123 Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
P6854AVIAL	PURExpress <sup>®</sup> Solution B (-RF123)	10029393	Pass
P6853AVIAL	PURExpress <sup>®</sup> RF3	10029400	Pass
P6852AVIAL	PURExpress <sup>®</sup> RF2	10029398	Pass
P6851AVIAL	PURExpress <sup>®</sup> RF1	10029396	Pass
N0424AVIAL	Control (DHFR) template	10014681	Pass
B0228AVIAL	PURExpress Solution A	10029387	Pass

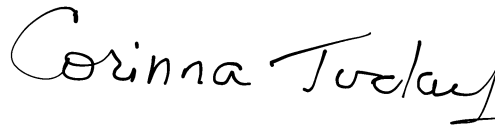
Assay Name/Specification	Lot # 10030828
<b>Functional Testing (Cell Free Protein Synthesis Assay) (DHFR)</b> A 25 µl reaction in the presence of 250 ng E. coli DHFR template DNA and 20 units RNase Inhibitor containing the components of the PURExpress <sup>®</sup> Δ RF123 Kit incubated for 2 hours at 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 <sup>®</sup> Δ RF123 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 <sup>®</sup> Δ RF123 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
<b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in	Pass

Assay Name/Specification	Lot # 10030828
PURExpress <sup>®</sup> Δ RF123 Kit and meet the designated specifications.	

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



Cory Tuckey  
Production Scientist  
27 Nov 2018



Cory Tuckey  
Packaging Quality Control Inspector  
03 Dec 2018