

## New England Biolabs Certificate of Analysis

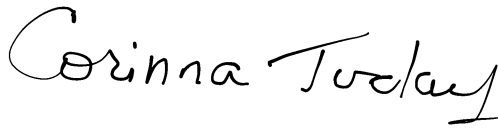
Product Name: PURExpress® RF123 Kit  
 Catalog Number: E6850S  
 Lot Number: 10041120  
 Expiration Date: 03/2021  
 Storage Temperature: -80°C  
 Specification Version: PS-E6850S v1.0

PURExpress® RF123 Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
P6854AVIAL	PURExpress® Solution B (-RF123)	10039789	Pass
P6853AVIAL	PURExpress® RF3	10039792	Pass
P6852AVIAL	PURExpress® RF2	10039791	Pass
P6851AVIAL	PURExpress® RF1	10039790	Pass
N0424AVIAL	Control (DHFR) template	10014681	Pass
B0228AVIAL	PURExpress Solution A	10039788	Pass

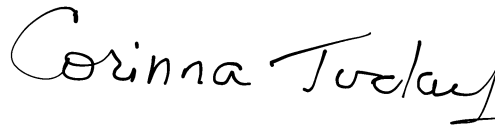
Assay Name/Specification	Lot # 10041120
<p><b>Functional Testing (Cell Free Protein Synthesis Assay) (DHFR)</b>            A 25 µl reaction in the presence of 250 ng E. coli DHFR template DNA and 20 units RNase Inhibitor containing the components of the PURExpress® Δ RF123 Kit incubated for 2 hours at 37°C results in the expected 20 kDa product as determined by SDS-PAGE with Coomassie Blue detection.</p>	Pass
<p><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 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.</p>	Pass
<p><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 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.</p>	Pass
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in</p>	Pass

Assay Name/Specification	Lot # 10041120
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  
22 Mar 2019



Cory Tuckey  
Packaging Quality Control Inspector  
22 Mar 2019