

## New England Biolabs Certificate of Analysis

Product Name: PURExpress<sup>®</sup> RF123 Kit  
Catalog Number: E6850S  
Lot Number: 10051780  
Expiration Date: 03/2021  
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)	10039789	Pass
P6853AVIAL	PURExpress <sup>®</sup> RF3	10039792	Pass
P6852AVIAL	PURExpress <sup>®</sup> RF2	10039791	Pass
P6851AVIAL	PURExpress <sup>®</sup> RF1	10039790	Pass
N0424AVIAL	Control (DHFR) template	10014681	Pass
B0228AVIAL	PURExpress Solution A	10050915	Pass

Assay Name/Specification	Lot # 10051780
<p><b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in PURExpress<sup>®</sup> Δ RF123 Kit and meet the designated specifications.</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<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.</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<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.</p>	Pass
<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<sup>®</sup> Δ RF123 Kit incubated for 2 hours at 37°C results in the expected 20 kDa product as determined by SDS-PAGE</p>	Pass

<b>Assay Name/Specification</b>	<b>Lot # 10051780</b>
with Coomassie Blue detection.	

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

*Corinna Tuckey*

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Cory Tuckey  
Production Scientist  
22 Mar 2019

*Corinna Tuckey*

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Cory Tuckey  
Packaging Quality Control Inspector  
31 Jul 2019