

## New England Biolabs Certificate of Analysis

Product Name: PURExpress® RF123 Kit  
 Catalog Number: E6850S  
 Lot Number: 10022903  
 Expiration Date: 09/2020  
 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)	10020076	Pass
P6853AVIAL	PURExpress® RF3	10020081	Pass
P6852AVIAL	PURExpress® RF2	10020080	Pass
P6851AVIAL	PURExpress® RF1	10020079	Pass
N0424AVIAL	Control (DHFR) template	10014681	Pass
B0228AVIAL	PURExpress Solution A	10020075	Pass

Assay Name/Specification	Lot # 10022903
<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>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in PURExpress® 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® 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) (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</p>	Pass

<b>Assay Name/Specification</b>	<b>Lot # 10022903</b>
with Coomassie Blue detection.	

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

*Corinna Tuckey*

*Corinna Tuckey*

Cory Tuckey  
Production Scientist  
12 Sep 2018

Cory Tuckey  
Packaging Quality Control Inspector  
20 Sep 2018