

## New England Biolabs Certificate of Analysis

*Product Name:* PURExpress<sup>®</sup> Δ RF123 Kit  
*Catalog #:* E6850S  
*Kit Components:* PURExpress<sup>®</sup> Solution A (B0228)  
 PURExpress<sup>®</sup> Control (DHFR) template (N0424)  
 PURExpress<sup>®</sup> Solution B (minus RF123) (P6854)  
 PURExpress<sup>®</sup> RF1 (P6851)  
 PURExpress<sup>®</sup> RF2 (P6852)  
 PURExpress<sup>®</sup> RF3 (P6853)

*Lot #:* 0141804  
*Assay Date:* 04/2018  
*Expiration Date:* 04/2020  
*Storage Temp:* -80°C  
*Specification Version:* PS-E6850S v1.0  
*Effective Date:* 13 Jun 2018

Assay Name/Specification (minimum release criteria)	Lot #0141804
<p><b>Functional Testing (Cell Free Protein Synthesis Assay) (DHFR)</b> - A 25 µl reaction in the presence of 250 ng <i>E. coli</i> 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.</p>	<b>Pass</b>
<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>	<b>Pass</b>
<p><b>Functional Testing (Cell Free Protein Synthesis Assay) (β-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>	<b>Pass</b>
<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>	<b>Pass</b>




Authorized by  
Derek Robinson  
13 Jun 2018

Inspected by  
Cory Tuckey  
01 Apr 2018

