

## New England Biolabs Certificate of Analysis

**Product Name:** PURExpress® Δ RF123 Kit  
**Catalog Number:** E6850S  
**Packaging Lot Number:** 10244769  
**Expiration Date:** 05/2026  
**Storage Temperature:** -80°C  
**Specification Version:** PS-E6850S v2.0

PURExpress® Δ RF123 Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
P6854AVIAL	PURExpress® Solution B (-RF123)	10241487	Pass
P6853AVIAL	PURExpress® RF3	10241485	Pass
P6852AVIAL	PURExpress® RF2	10241484	Pass
P6851AVIAL	PURExpress® RF1	10241486	Pass
N0424AVIAL	PURExpress Control DHFR Plasmid	10214569	Pass
B0229AVIAL	Solution A (E6850)	10241488	Pass

Assay Name/Specification	Lot # 10244769
<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>	<b>Pass</b>
<p><b>Functional Testing (Cell Free Protein Synthesis Assay) (DHFR)</b> A 25 µl reaction in the presence of 250 ng PURExpress® Control DHFR Plasmid 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>	<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® 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) (-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</p>	<b>Pass</b>

Assay Name/Specification	Lot # 10244769
SDS-PAGE with Coomassie Blue detection.	

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit [www.neb.com/trademarks](http://www.neb.com/trademarks) for additional information.



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