

New England Biolabs Certificate of Analysis

Product Name: PURExpress[®] RF123 Kit
 Catalog Number: E6850S
 Packaging Lot Number: 10110932
 Expiration Date: 06/2023
 Storage Temperature: -80°C
 Specification Version: PS-E6850S v2.0

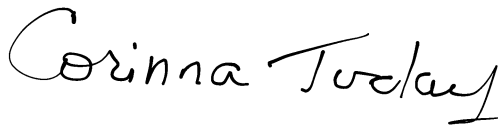
PURExpress [®] RF123 Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
P6854AVIAL	PURExpress [®] Solution B (-RF123)	10110789	Pass
P6853AVIAL	PURExpress [®] RF3	10110796	Pass
P6852AVIAL	PURExpress [®] RF2	10110795	Pass
P6851AVIAL	PURExpress [®] RF1	10110790	Pass
N0424AVIAL	PURExpress Control DHFR Plasmid	10103267	Pass
B0228AVIAL	PURExpress Solution A	10110788	Pass

Assay Name/Specification	Lot # 10110932
<p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in PURExpress[®] Δ RF123 Kit and meet the designated specifications.</p>	Pass
<p>Functional Testing (Cell Free Protein Synthesis Assay) (--galactosidase) 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>Functional Testing (Cell Free Protein Synthesis Assay) (Vent DNA Polymerase) 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>Functional Testing (Cell Free Protein Synthesis Assay) (DHFR) 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</p>	Pass

Assay Name/Specification	Lot # 10110932
by 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 for additional information.



Cory Tuckey
Production Scientist
02 Jun 2021



Michael Tonello
Packaging Quality Control Inspector
02 Jun 2021