

New England Biolabs Certificate of Analysis

Product Name: PURExpress[®] RF123 Kit
 Catalog Number: E6850S
 Packaging Lot Number: 10141419
 Expiration Date: 02/2024
 Storage Temperature: -80°C
 Specification Version: PS-E6850S v2.0

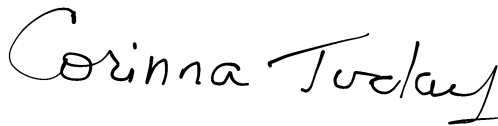
| PURExpress [®] RF123 Kit Component List | | | |
|--|---|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| P6854AVIAL | PURExpress [®] Solution B (-RF123) | 10139987 | Pass |
| P6853AVIAL | PURExpress [®] RF3 | 10139986 | Pass |
| P6852AVIAL | PURExpress [®] RF2 | 10139985 | Pass |
| P6851AVIAL | PURExpress [®] RF1 | 10139984 | Pass |
| N0424AVIAL | PURExpress Control DHFR Plasmid | 10103267 | Pass |
| B0228AVIAL | PURExpress Solution A | 10139983 | Pass |

| Assay Name/Specification | Lot # 10141419 |
|--|----------------|
| <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 # 10141419 |
|--|----------------|
| 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
01 Mar 2022



Michael Tonello
Packaging Quality Control Inspector
01 Mar 2022