

New England Biolabs Certificate of Analysis

Product Name: PURExpress® Δ RF123 Kit
Catalog Number: E6850S
Packaging Lot Number: 10231488
Expiration Date: 12/2025
Storage Temperature: -80°C
Specification Version: PS-E6850S v2.0

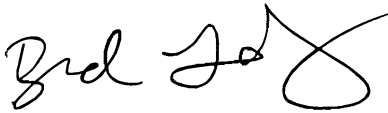
| PURExpress® Δ RF123 Kit Component List | | | |
|--|---------------------------------|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| P6854AVIAL | PURExpress® Solution B (-RF123) | 10217660 | Pass |
| P6853AVIAL | PURExpress® RF3 | 10217662 | Pass |
| P6852AVIAL | PURExpress® RF2 | 10217661 | Pass |
| P6851AVIAL | PURExpress® RF1 | 10217663 | Pass |
| N0424AVIAL | PURExpress Control DHFR Plasmid | 10214569 | Pass |
| B0229AVIAL | Solution A (E6850) | 10217659 | Pass |

| Assay Name/Specification | Lot # 10231488 |
|--|----------------|
| <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) (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 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) (-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</p> | Pass |


| Assay Name/Specification | Lot # 10231488 |
|---|----------------|
| 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.



Brad Landgraf
Production Scientist
22 Nov 2023



Nick Privitera
Packaging Quality Control Inspector
15 Mar 2024