

## New England Biolabs Certificate of Analysis

Product Name: PURExpress® RF123 Kit  
 Catalog Number: E6850S  
 Packaging Lot Number: 10084238  
 Expiration Date: 10/2022  
 Storage Temperature: -80°C  
 Specification Version: PS-E6850S v1.0

| PURExpress® RF123 Kit Component List |                                 |            |                      |
|--------------------------------------|---------------------------------|------------|----------------------|
| NEB Part Number                      | Component Description           | Lot Number | Individual QC Result |
| P6854AVIAL                           | PURExpress® Solution B (-RF123) | 10084241   | Pass                 |
| P6853AVIAL                           | PURExpress® RF3                 | 10084244   | Pass                 |
| P6852AVIAL                           | PURExpress® RF2                 | 10084243   | Pass                 |
| P6851AVIAL                           | PURExpress® RF1                 | 10084242   | Pass                 |
| N0424AVIAL                           | Control (DHFR) template         | 10076886   | Pass                 |
| B0228AVIAL                           | PURExpress Solution A           | 10087246   | Pass                 |

| Assay Name/Specification  | Lot # 10084238 |
|---|----------------|
| <p><b>Functional Testing (Cell Free Protein Synthesis Assay) (DHFR)</b><br/>           A 25 µl reaction in the presence of 250 ng E. coli DHFR 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 20 kDa product as determined by SDS-PAGE with Coomassie Blue detection.</p>                       | Pass           |
| <p><b>Functional Testing (Cell Free Protein Synthesis Assay) (Vent DNA Polymerase)</b><br/>           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><b>Functional Testing (Cell Free Protein Synthesis Assay) (-galactosidase)</b><br/>           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><b>* Individual Product Component Note</b><br/>           Standard Quality Control Tests are performed for each component included in</p>  | Pass           |

| Assay Name/Specification  | Lot # 10084238 |
|---|----------------|
| PURExpress <sup>®</sup> Δ RF123 Kit and meet the designated specifications. |                |

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.



Cory Tuckey  
Production Scientist  
14 Oct 2020



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Packaging Quality Control Inspector  
14 Oct 2020