

## New England Biolabs Certificate of Analysis

**Product Name:** ProtoScript® First Strand cDNA Synthesis Kit  
**Catalog Number:** E6300L  
**Lot Number:** 10038447  
**Expiration Date:** 07/2020  
**Storage Temperature:** -20°C  
**Specification Version:** PS-E6300S/L v1.0

| ProtoScript® First Strand cDNA Synthesis Kit Component List |  |            |                      |
|---|--|------------|----------------------|
| NEB Part Number   | Component Description                        | Lot Number | Individual QC Result |
| E6300S  | ProtoScript® First Strand cDNA Synthesis Kit | 10036404   | Pass                 |

| Assay Name/Specification  | Lot # 10038447 |
|---|----------------|
| <b>Functional Testing (RT-PCR, Sensitivity)</b><br>The performance of M-MuLV Reaction Mix with 1X M-MuLV Enzyme Mix is tested in a 20 µl RT reaction with 20 pg Human total RNA. The sensitivity of the product is verified by amplification of GAPDH using 0.4 µl of the RT reaction and 35 cycles of PCR amplification resulting in the expected product.     | <b>Pass</b>    |
| <b>* Individual Product Component Note</b><br>Standard Quality Control Tests are performed for each component included in ProtoScript® First Strand cDNA Synthesis Kit and meet the designated specifications.  | <b>Pass</b>    |
| <b>Functional Testing (RT-PCR, Length)</b><br>The performance of M-MuLV Reaction Mix with 1X M-MuLV Enzyme Mix is tested in a 20 µl RT reaction with 1 µg Human total RNA. The length of the product is verified by amplification of the p532 gene using 0.4 µl of the RT reaction and 35 cycles of PCR amplification resulting in the expected 5.5 kb product. | <b>Pass</b>    |

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

*Christie Vazquez*

Christie Vazquez  
Production Scientist  
27 Feb 2019

*Michael Tonello*

Michael Tonello  
Packaging Quality Control Inspector  
27 Feb 2019