NEW ENGLAND BioLabs Inc.

be INSPIRED
drive DISCOVERY
stay GENUINE

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New England Biolabs
Certificate of Analysis

Product Name:	ProtoScript® First Strand cDNA Synthesis Kit
Catalog Number:	E6300S
Lot Number:	10011091
Expiration Date:	06/2019
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**
S1332AVIAL	Oligo d(T)23 VN	0051709	**Pass**
S1330AVIAL	Random Primer Mix	0091803	**Pass**
M0343AVIAL	M-MuLV Reaction Mix	0051712	**Pass**
M0342AVIAL	M-MuLV Enzyme Mix	0151712	**Pass**
B1502AVIAL	Nuclease-free Water	0051711	**Pass**

Assay Name/Specification	Lot # 10011091
* Individual Product Component Note Standard Quality Control Tests are performed for each component included in ProtoScript® First Strand cDNA Synthesis Kit and meet the designated specifications.	**Pass**
Functional Testing (RT-PCR, Sensitivity) 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.	**Pass**
Functional Testing (RT-PCR, Length) 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.	**Pass**

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

nqa. ISO 9001 Registered Quality Management | nqa. ISO 13485 Registered Medical Devices | nqa. ISO 14001 Registered Environmental Management

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Lynne Apone
Production Scientist
05 Jun 2018

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Michael Tonello
Packaging Quality Control Inspector
05 Jun 2018