NEW ENGLAND BioLabs Inc.

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New England Biolabs
Certificate of Analysis

Product Name:	ProtoScript® First Strand cDNA Synthesis Kit
Catalog Number:	E6300S
Packaging Lot Number:	10068663
Expiration Date:	07/2021
Storage Temperature:	-20℃
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	10062283	**Pass**
S1330AVIAL	Random Primer Mix	10062282	**Pass**
M0343AVIAL	M-MuLV Reaction Mix	10065633	**Pass**
M0342AVIAL	M-MuLV Enzyme Mix	10065632	**Pass**
B1502AVIAL	Nuclease-free Water	10059286	**Pass**

Assay Name/Specification	Lot # 10068663
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**
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**
* 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**

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

ISO 9001 Registered Quality Management
ISO 13485 Registered Medical Devices
ISO 14001 Registered Environmental Management

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21 Feb 2020

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26 Feb 2020