NEW ENGLAND BioLabs Inc.
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New England Biolabs
Certificate of Analysis

Product Name: *NEBNext Single Cell/Low Input RNA Library Prep Kit for Illumina*
Catalog Number: *E6420L*
Packaging Lot Number: *10078075*
Expiration Date: *03/2021*
Storage Temperature: *-20°C*
Specification Version: *PS-E6420S/L v1.0*

NEBNext Single Cell/Low Input RNA Library Prep Kit for Illumina Component List			
NEB Part Number	**Component Description**	**Lot Number**	**Individual QC Result**
E7807AAVIAL	NEBNext® Ultra™ II FS Reaction Buffer	10068866	**Pass**
E7806AAVIAL	NEBNext® Ultra™ II FS Enzyme Mix	10068865	**Pass**
E7649AAVIAL	NEBNext® Ultra™ II Q5® Master Mix	10068864	**Pass**
E7648AAVIAL	NEBNext® Ultra™ II Ligation Master Mix	10068863	**Pass**
E7374AAVIAL	NEBNext® Ligation Enhancer	10068862	**Pass**
E6433AAVIAL	Nuclease-free Water	10068861	**Pass**
E6432AAVIAL	TE Buffer	10068860	**Pass**
E6431AAVIAL	NEBNEXT® ADAPTOR DILUTION BUFFER	10068859	**Pass**
E6430AAVIAL	NEBNext® Bead Reconstitution Buffer	10068858	**Pass**
E6429AAVIAL	Murine RNase Inhibitor	10068857	**Pass**
E6428AAVIAL	NEBNext® Cell Lysis Buffer	10068856	**Pass**
E6427AAVIAL	NEBNext® Single Cell cDNA PCR Primer	10068855	**Pass**
E6426AAVIAL	NEBNext® Single Cell cDNA PCR Master Mix	10068854	**Pass**
E6425AAVIAL	NEBNext® Single Cell RT Enzyme Mix	10068853	**Pass**
E6424AAVIAL	NEBNext® Template Switching Oligo	10068852	**Pass**
E6423AAVIAL	NEBNext® Single Cell RT Buffer	10068851	**Pass**
E6422AAVIAL	NEBNext® Single Cell RT Primer Mix	10068850	**Pass**

Assay Name/Specification	Lot # 10078075
*** Individual Product Component Note** Standard Quality Control Tests are performed for each component included in NEBNext® Single Cell/Low Input RNA Library Prep Kit for Illumina® and meet the designated specifications.	**Pass**
Functional Testing (Library Construction, Single Cell RNA) Each set of reagents is functionally validated and compared to a previous lot	**Pass**

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Assay Name/Specification	Lot # 10078075
through construction of libraries made from single cells and commercially available RNA using the kit's minimum and maximum input requirements. Libraries made from previous and current lots are sequenced together on the same Illumina flow cell and compared across various metrics including library yield, individual transcript abundance, 5'-3' transcript coverage, percent ribosomal RNA, and fraction of reads mapping to a reference.	

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

Christine Sumner
Production Scientist
22 Jun 2020

Josh Hersey
Packaging Quality Control Inspector
22 Jun 2020