NEW ENGLAND BioLabs Inc.
be INSPIRED drive DISCOVERY stay GENUINE
240 County Road
Ipswich, MA 01938-2723
Tel 978-927-5054
Fax 978-921-1350
www.neb.com
info@neb.com

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: *10136369*
Expiration Date: *03/2023*
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	10136392	**Pass**
E7806AAVIAL	NEBNext® Ultra™ II FS Enzyme Mix	10136391	**Pass**
E7649AAVIAL	NEBNext® Ultra™ II Q5® Master Mix	10136390	**Pass**
E7648AAVIAL	NEBNext® Ultra™ II Ligation Master Mix	10136389	**Pass**
E7374AAVIAL	NEBNext® Ligation Enhancer	10136388	**Pass**
E6433AAVIAL	Nuclease-free Water	10136387	**Pass**
E6432AAVIAL	TE Buffer	10136386	**Pass**
E6431AAVIAL	NEBNEXT® ADAPTOR DILUTION BUFFER	10136385	**Pass**
E6430AAVIAL	NEBNext® Bead Reconstitution Buffer	10136384	**Pass**
E6429AAVIAL	Murine RNase Inhibitor	10136383	**Pass**
E6428AAVIAL	NEBNext® Cell Lysis Buffer	10136382	**Pass**
E6427AAVIAL	NEBNext® Single Cell cDNA PCR Primer	10136381	**Pass**
E6426AAVIAL	NEBNext® Single Cell cDNA PCR Master Mix	10136380	**Pass**
E6425AAVIAL	NEBNext® Single Cell RT Enzyme Mix	10136379	**Pass**
E6424AAVIAL	NEBNext® Template Switching Oligo	10136378	**Pass**
E6423AAVIAL	NEBNext® Single Cell RT Buffer	10136377	**Pass**
E6422AAVIAL	NEBNext® Single Cell RT Primer Mix	10136375	**Pass**

Assay Name/Specification	**Lot # 10136369**
*** 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 # 10136369
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
05 May 2022

Michael Tonello
Packaging Quality Control Inspector
09 Aug 2022