

## 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: 10178927  
 Expiration Date: 03/2024  
 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	10178958	Pass
E7806AAVIAL	NEBNext® Ultra™ II FS Enzyme Mix	10178956	Pass
E7649AAVIAL	NEBNext® Ultra™ II Q5® Master Mix	10178955	Pass
E7648AAVIAL	NEBNext® Ultra™ II Ligation Master Mix	10178953	Pass
E7374AAVIAL	NEBNext® Ligation Enhancer	10178951	Pass
E6433AAVIAL	Nuclease-free Water	10178950	Pass
E6432AAVIAL	TE Buffer	10178949	Pass
E6431AAVIAL	NEBNext® ADAPTOR DILUTION BUFFER	10178948	Pass
E6430AAVIAL	NEBNext® Bead Reconstitution Buffer	10178946	Pass
E6429AAVIAL	Murine RNase Inhibitor	10178945	Pass
E6428AAVIAL	NEBNext® Cell Lysis Buffer	10178944	Pass
E6427AAVIAL	NEBNext® Single Cell cDNA PCR Primer	10178942	Pass
E6426AAVIAL	NEBNext® Single Cell cDNA PCR Master Mix	10178940	Pass
E6425AAVIAL	NEBNext® Single Cell RT Enzyme Mix	10178938	Pass
E6424AAVIAL	NEBNext® Template Switching Oligo	10178936	Pass
E6423AAVIAL	NEBNext® Single Cell RT Buffer	10178935	Pass
E6422AAVIAL	NEBNext® Single Cell RT Primer Mix	10178933	Pass

Assay Name/Specification	Lot # 10178927
<p><b>* Individual Product Component Note</b>            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.</p>	Pass
<p><b>Functional Testing (Library Construction, Single Cell RNA)</b>            Each set of reagents is functionally validated and compared to a previous lot</p>	Pass

Assay Name/Specification	Lot # 10178927
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.

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit [www.neb.com/trademarks](http://www.neb.com/trademarks) for additional information.




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Christine Sumner  
Production Scientist  
31 Mar 2023




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Michael Tonello  
Packaging Quality Control Inspector  
24 May 2023