

## 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: 10041376  
 Expiration Date: 04/2020  
 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	10041396	Pass
E7806AAVIAL	NEBNext® Ultra™ II FS Enzyme Mix	10041395	Pass
E7649AAVIAL	NEBNext® Ultra™ II Q5® Master Mix	10041394	Pass
E7648AAVIAL	NEBNext® Ultra™ II Ligation Master Mix	10041393	Pass
E7374AAVIAL	NEBNext® Ligation Enhancer	10041391	Pass
E6433AAVIAL	Nuclease Free Water	10041390	Pass
E6432AAVIAL	TE Buffer	10041389	Pass
E6431AAVIAL	NEBNext® ADAPTOR DILUTION BUFFER	10041388	Pass
E6430AAVIAL	NEBNext® Bead Reconstitution Buffer	10041387	Pass
E6429AAVIAL	Murine RNase Inhibitor	10041386	Pass
E6428AAVIAL	NEBNext® Cell Lysis Buffer	10041385	Pass
E6427AAVIAL	NEBNext® Single Cell cDNA PCR Primer	10041384	Pass
E6426AAVIAL	NEBNext® Single Cell cDNA PCR Master Mix	10041383	Pass
E6425AAVIAL	NEBNext® Single Cell RT Enzyme Mix	10041382	Pass
E6424AAVIAL	NEBNext® Template Switching Oligo	10041381	Pass
E6423AAVIAL	NEBNext® Single Cell RT Buffer	10041380	Pass
E6422AAVIAL	NEBNext® Single Cell RT Primer Mix	10041379	Pass

Assay Name/Specification	Lot # 10041376
<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 # 10041376
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.




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Christine Sumner  
Production Scientist  
06 Nov 2019




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Michael Tonello  
Packaging Quality Control Inspector  
06 Nov 2019