

## 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:** 10231641  
**Expiration Date:** 03/2025  
**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	10231682	Pass
E7806AAVIAL	NEBNext® Ultra™ II FS Enzyme Mix	10231680	Pass
E7649AAVIAL	NEBNext® Ultra™ II Q5® Master Mix	10231678	Pass
E7648AAVIAL	NEBNext® Ultra™ II Ligation Master Mix	10231676	Pass
E7374AAVIAL	NEBNext® Ligation Enhancer	10231674	Pass
E6433AAVIAL	Nuclease-free Water	10231672	Pass
E6432AAVIAL	TE Buffer	10231669	Pass
E6431AAVIAL	NEBNEXT® ADAPTOR DILUTION BUFFER	10231666	Pass
E6430AAVIAL	NEBNext® Bead Reconstitution Buffer	10231663	Pass
E6429AAVIAL	Murine RNase Inhibitor	10231660	Pass
E6428AAVIAL	NEBNext® Cell Lysis Buffer	10231657	Pass
E6427AAVIAL	NEBNext® Single Cell cDNA PCR Primer	10231655	Pass
E6426AAVIAL	NEBNext® Single Cell cDNA PCR Master Mix	10231652	Pass
E6425AAVIAL	NEBNext® Single Cell RT Enzyme Mix	10231650	Pass
E6424AAVIAL	NEBNext® Template Switching Oligo	10231648	Pass
E6423AAVIAL	NEBNext® Single Cell RT Buffer	10231646	Pass
E6422AAVIAL	NEBNext® Single Cell RT Primer Mix	10231644	Pass

Assay Name/Specification	Lot # 10231641
<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.	<b>Pass</b>
<b>Functional Testing (Library Construction, Single Cell RNA)</b> Each set of reagents is functionally validated and compared to a previous lot	<b>Pass</b>

Assay Name/Specification	Lot # 10231641
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  
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08 Apr 2024




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Michael Tonello  
Packaging Quality Control Inspector  
12 Apr 2024