

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext Single Cell/Low Input RNA Library Prep Kit for Illumina -24 rxns  
**Catalog Number:** E6420S  
**Packaging Lot Number:** 10239655  
**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 -24 rxns Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7807AVIAL	NEBNext® Ultra™ II FS Reaction Buffer	10231690	Pass
E7806AVIAL	NEBNext® Ultra™ II FS Enzyme Mix	10231688	Pass
E7649AVIAL	NEBNext® Ultra™ II Q5® Master Mix	10231687	Pass
E7648AVIAL	NEBNext® Ultra™ II Ligation Master Mix	10231686	Pass
E7374AVIAL	NEBNext® Ligation Enhancer	10231685	Pass
E6433AVIAL	Nuclease Free Water	10231684	Pass
E6432AVIAL	TE Buffer	10231683	Pass
E6431AVIAL	NEBNext® ADAPTOR DILUTION BUFFER	10231681	Pass
E6430AVIAL	NEBNext® Bead Reconstitution Buffer	10231679	Pass
E6429AVIAL	Murine RNase Inhibitor	10231677	Pass
E6428AVIAL	NEBNext® Cell Lysis Buffer	10231675	Pass
E6427AVIAL	NEBNext® Single Cell cDNA PCR Primer	10231673	Pass
E6426AVIAL	NEBNext® Single Cell cDNA PCR Master Mix	10231671	Pass
E6425AVIAL	NEBNext® Single Cell RT Enzyme Mix	10231668	Pass
E6424AVIAL	NEBNext® Template Switching Oligo	10231665	Pass
E6423AVIAL	NEBNext® Single Cell RT Buffer	10231662	Pass
E6422AVIAL	NEBNext® Single Cell RT Primer Mix	10231659	Pass

Assay Name/Specification	Lot # 10239655
<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>	<b>Pass</b>

Assay Name/Specification	Lot # 10239655
<p>Each set of reagents is functionally validated and compared to a previous lot 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.</p>	

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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10 Apr 2024




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Packaging Quality Control Inspector  
10 Apr 2024