

## New England Biolabs Certificate of Analysis

*Product Name:* phi29-XT RCA Kit  
*Catalog Number:* E1603L  
*Packaging Lot Number:* 10267668  
*Expiration Date:* 06/2026  
*Storage Temperature:* -20°C  
*Specification Version:* PS-E1603S/L v1.0

phi29-XT RCA Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S1884LVIAL	Exonuclease-Resistant Random Primers	10251029	Pass
N0447XVIAL	Deoxynucleotide (dNTP) Solution Mix	10247129	Pass
M0572LVIAL	phi29-XT DNA Polymerase	10250083	Pass
B0572SVIAL	phi29-XT Reaction Buffer	10250082	Pass

Assay Name/Specification	Lot # 10267668
<b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in phi29-XT RCA Kit and meet the designated specifications.	Pass
<b>Functional Testing (RCA DNA Amplification)</b> A 20 µl rolling circle amplification (RCA) reaction in 1X phi29-XT Reaction Buffer in the presence of 1X phi29-XT DNA Polymerase and 50 µM Exonuclease-Resistant Random Primers generates at least 5 µg DNA from 0.1 ng plasmid DNA after incubation for 2 hours at 42°C.	Pass

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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22 Aug 2024



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03 Dec 2024