

## New England Biolabs Certificate of Analysis

**Product Name:** *phi29-XT RCA Kit*  
**Catalog Number:** *E1603S*  
**Packaging Lot Number:** *10236558*  
**Expiration Date:** *01/2026*  
**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
S1884SVIAL	Exonuclease-Resistant Random Primers	10236573	<b>Pass</b>
N0447SVIAL	Deoxynucleotide (dNTP) Solution Mix	10238467	<b>Pass</b>
M0572SVIAL	phi29-XT DNA Polymerase	10236560	<b>Pass</b>
B0572SVIAL	phi29-XT Reaction Buffer	10236561	<b>Pass</b>

Assay Name/Specification	Lot # 10236558
<p><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.</p>	<b>Pass</b>
<p><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.</p>	<b>Pass</b>

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.



---

Trinh Nguyen  
Production Scientist  
30 Apr 2024



---

Michael Tonello  
Packaging Quality Control Inspector  
07 May 2024