

## New England Biolabs Certificate of Analysis

Product Name: *Taq PCR Kit*  
 Catalog Number: *E5000S*  
 Packaging Lot Number: *10164977*  
 Expiration Date: *03/2024*  
 Storage Temperature: *-20°C*  
 Specification Version: *PS-E5000S v2.0*

Taq PCR Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0550AVIAL	Quick-Load® Purple 1 kb Plus DNA Ladder	10143715	Pass
N0447SVIAL	Deoxynucleotide (dNTP) Solution Mix	10164437	Pass
M0273AVIAL	Taq DNA Polymerase with Standard Taq Buffer	10164357	Pass
B9021SVIAL	Magnesium Chloride (MgCl <sub>2</sub> ) Solution	10135558	Pass
B9015SVIAL	Standard Taq (Mg-free) Reaction Buffer Pack	10161931	Pass
B9014SVIAL	Standard Taq Reaction Buffer Pack	10153958	Pass

Assay Name/Specification	Lot # 10164977
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in Taq PCR Kit and meet the designated specifications.</p>	Pass
<p><b>PCR Amplification (5.0 kb Lambda DNA)</b>            A 50 µl reaction in Standard Taq Reaction Buffer in the presence of 200 µM dNTPs and 0.2 µM primers containing 5 ng Lambda DNA with 1.25 units of Taq DNA Polymerase for 25 cycles of PCR amplification results in the expected 5.0 kb product.</p>	Pass

This product has been tested and shown to be in compliance with all specifications.

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15 Mar 2022



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03 Oct 2022