

New England Biolabs Certificate of Analysis

Product Name: *Taq PCR Kit*
 Catalog Number: *E5000S*
 Packaging Lot Number: *10175641*
 Expiration Date: *07/2024*
 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	10167197	Pass
N0447SVIAL	Deoxynucleotide (dNTP) Solution Mix	10170507	Pass
M0273AVIAL	Taq DNA Polymerase with Standard Taq Buffer	10164357	Pass
B9021SVIAL	Magnesium Chloride (MgCl ₂) Solution	10160899	Pass
B9015SVIAL	Standard Taq (Mg-free) Reaction Buffer Pack	10161931	Pass
B9014SVIAL	Standard Taq Reaction Buffer Pack	10153958	Pass

Assay Name/Specification	Lot # 10175641
<p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in Taq PCR Kit and meet the designated specifications.</p>	Pass
<p>PCR Amplification (5.0 kb Lambda DNA) 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.

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.



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Production Scientist
21 Sep 2022



Michael Tonello
Packaging Quality Control Inspector
24 Jan 2023