

New England Biolabs Certificate of Analysis

Product Name: *Taq PCR Kit*
Catalog Number: *E5000S*
Packaging Lot Number: *10256833*
Expiration Date: *01/2026*
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	10228839	Pass
N0447SVIAL	Deoxynucleotide (dNTP) Solution Mix	10247128	Pass
M0273AVIAL	Taq DNA Polymerase with Standard Taq Buffer	10235196	Pass
B9021SVIAL	Magnesium Chloride (MgCl ₂) Solution	10221498	Pass
B9015SVIAL	Standard Taq (Mg-free) Reaction Buffer Pack	10198988	Pass
B9014SVIAL	Standard Taq Reaction Buffer Pack	10246931	Pass

Assay Name/Specification	Lot # 10256833
* Individual Product Component Note Standard Quality Control Tests are performed for each component included in Taq PCR Kit and meet the designated specifications.	Pass
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.	Pass

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

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19 Apr 2024



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Packaging Quality Control Inspector
16 Sep 2024