

New England Biolabs Certificate of Analysis

Product Name: *pMAL™-c6T Vector*
Catalog Number: *N0378S*
Packaging Lot Number: *10230751*
Expiration Date: *08/2026*
Storage Temperature: *-20°C*
Storage Conditions: *10 mM Tris-HCl, 1 mM EDTA (pH 7.5 @ 25°C)*
Specification Version: *PS-N0378S v1.0*

pMAL™-c6T Vector Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0378SVIAL	pMAL-c6T Vector	10204943	Pass

Assay Name/Specification	Lot # 10230751
DNA Concentration (A260) The concentration of pMAL™-c6T Vector is between 200 and 220 µg/ml as determined by UV absorption at 260 nm.	Pass
Non-Specific DNase Activity (DNA, 16 hour) A 50 µl reaction in 1X NEBuffer 2 containing 5 µg of pMAL™-c6T Vector incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis.	Pass
Restriction Digest (Linearization) A 50 µl reaction in NEBuffer EcoRI containing 5 µg of pMAL™-c6T Vector and 20 units of EcoRI incubated for 1 hour at 37°C produces > 95% linearization resulting in a single band of approximately 5677 bp as determined by agarose gel electrophoresis.	Pass

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

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Production Scientist
30 Aug 2023



Michael Tonello
Packaging Quality Control Inspector
26 Mar 2024