

New England Biolabs Certificate of Analysis

Product Name: *pMAL™-c5X Vector*
Catalog Number: *N8108S*
Concentration: *200 µg/ml*
Lot Number: *10053918*
Expiration Date: *08/2022*
Storage Temperature: *-20°C*
Storage Conditions: *10 mM Tris-HCl, 1 mM EDTA (pH 8.0 @ 25°C)*
Specification Version: *PS-N8108S v1.0*

pMAL™-c5X Vector Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N8108SVIAL	pMAL™-c5X Vector	10052504	Pass

Assay Name/Specification	Lot # 10053918
DNA Concentration (A260) The concentration of pMAL™-c5X 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™-c5X 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™-c5X 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.



Brad Landgraf
Production Scientist
28 Aug 2019



Michael Tonello
Packaging Quality Control Inspector
25 Sep 2019