

New England Biolabs Product Specification

Product Name: pMAL[™]-c5X Vector
Catalog #: N8108S
Concentration: 200 µg/ml
Shelf Life: 36 months
Storage Temp: -20°C
Storage Conditions: 10 mM Tris-HCl, 1 mM EDTA (pH 8.0 @ 25°C)
Specification Version: PS-N8108S v1.0
Effective Date: 11 Apr 2018

Assay Name/Specification (minimum release criteria)

DNA Concentration (A260) - The concentration of pMAL[™]-c5X Vector is between 200 and 220 µg/ml as determined by UV absorbance at 260 nm.

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.

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.



Date 11 Apr 2018

Derek Robinson
Director of Quality Control

