

New England Biolabs Certificate of Analysis

Product Name: *Monarch StabiLyse™ DNA/RNA Buffer*
Catalog Number: *T2111L*
Packaging Lot Number: *10234863*
Expiration Date: *03/2027*
Storage Temperature: *25°C*
Specification Version: *PS-T2111L v1.0*

Monarch StabiLyse™ DNA/RNA Buffer Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
T2111-3	Monarch StabiLyse™ DNA/RNA Buffer	10235427	Pass

Assay Name/Specification	Lot # 10234863
Endonuclease Activity (Nicking) A 50 µl reaction in rCutSmart™ Buffer containing 1 µg of supercoiled PhiX174 DNA and a minimum of 10 µl of Monarch StabiLyse™ DNA/RNA Buffer incubated for 4 hours at 37°C results in <10% conversion to the nicked form as determined by agarose gel electrophoresis.	Pass
Non-Specific DNase Activity (16 Hour) A 50 µl reaction in rCutSmart™ Buffer containing 1 µg of PhiX174-HaeIII DNA and a minimum of 10 µl of Monarch StabiLyse™ DNA/RNA Buffer incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis.	Pass
RNase Activity (Extended Digestion) A 10 µl reaction in NEBuffer 4 containing 40 ng of a 300 base single-stranded RNA and a minimum of 1 µl of Monarch StabiLyse™ DNA/RNA Buffer is incubated at 37°C. After incubation for 16 hours, >90% of the substrate RNA remains intact as determined by gel electrophoresis using fluorescent detection.	Pass

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

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22 Mar 2024



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