

New England Biolabs Certificate of Analysis

Product Name: *Bst DNA Polymerase, Large Fragment*
Catalog Number: *M0275S*
Concentration: *8,000 U/ml*
Unit Definition: *One unit is defined as the amount of enzyme that will incorporate 10 nmol of dNTP into acid insoluble material in 30 minutes at 65°C.*
Packaging Lot Number: *10063500*
Expiration Date: *10/2021*
Storage Temperature: *-20°C*
Storage Conditions: *10 mM Tris-HCl, 50 mM KCl, 1 mM DTT, 0.1 mM EDTA, 0.1 % Triton®X-100, 50 % Glycerol, (pH 7.1 @ 25°C)*
Specification Version: *PS-M0275S/L v2.0*

Bst DNA Polymerase, Large Fragment Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
M0275SVIAL	Bst DNA Polymerase, Large Fragment	10058438	Pass
B9004SVIAL	ThermoPol® Reaction Buffer Pack	10041932	Pass
B1003SVIAL	Magnesium Sulfate (MgSO ₄) Solution	10042724	Pass

Assay Name/Specification	Lot # 10063500
Non-Specific DNase Activity (16 Hour) A 50 µl reaction in NEBuffer 2 containing 1 µg of T3 or T7 DNA in addition to a reaction containing Lambda-HindIII DNA and a minimum of 120 units of Bst DNA Polymerase, Large Fragment incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis.	Pass

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

Christie Vazquez

Christie Vazquez
Production Scientist
05 Nov 2019

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
16 Jan 2020