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New England Biolabs Certificate of Analysis

Product Name: Isothermal Amplification Buffer

Catalog Number: B0537S

Concentration: 10 X Concentrate

Packaging Lot Number: 10169860
Expiration Date: 01/2025
Storage Temperature: -20°C

Specification Version: PS-B0537S v2.0

Composition (1X): 20 mM Tris-HCl, 50 mM KCl, 10 mM (NH4)2SO4, 2 mM MgSO4, 0.1 % Tween®

20, (pH 8.8 @ 25°C)

Isothermal Amplification Buffer Component List				
NEB Part Number	Component Description	Lot Number	Individual QC Result	
B0537SVIAL	Isothermal Amplification Buffer	10146963	Pass	

Lot # 10169860
Pass
Pass
Pass
Pass
Pass



B0537S / Lot: 10169860

Page 1 of 2

Assay Name/Specification	Lot # 10169860	
A minimum of 1 µl of Isothermal Amplification Buffer is screened for the presence of E. coli genomic DNA using SYBR® Green qPCR with primers specific for the E. coli 16S rRNA locus. Results are quantified using a standard curve generated from purified E. coli genomic DNA. The measured level of E. coli genomic DNA contamination is ≤ 1 E. coli genome.		
Endonuclease Activity (Nicking, Buffer) A 50 μl reaction in 2X Isothermal Amplification Buffer containing 1 μg of supercoiled PhiX174 DNA incubated for 4 hours at 37°C results in <10% conversion to the nicked form as determined by agarose gel electrophoresis.	Pass	

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.

Trinh Nguyen **Production Scientist**

12/2/2/2/___

04 May 2022



Packaging Quality Control Inspector 08 Nov 2022



B0537S / Lot: 10169860

Page 2 of 2