

New England Biolabs Certificate of Analysis

Product Name: EnGen[®] Mutation Detection Kit
Catalog #: E3321S
Kit Components: Q5[®] Hot Start High-Fidelity 2X Master Mix (M0494)
EnGen[®] T7 Endonuclease I (M0450)
Control Template and Primer Mix (S0534)
NEBuffer[™] 2 (B7002)
Proteinase K, Molecular Biology Grade (P8107)
Quick-Load[®] Purple 1 kb Plus DNA Ladder (N0550)
Gel Loading Dye, Purple (6X), no SDS (B7025)

Lot #: 0041711
Assay Date: 11/2017
Expiration Date: 11/2019
Storage Temp: -20°C
Specification Version: PS-E3321S v1.0
Effective Date: 15 Jun 2018

Assay Name/Specification (minimum release criteria)	Lot #0041711
Functional Testing (EnGen[®] Mutation Detection Kit) - The EnGen [®] Mutation Detection Kit is functionally tested by PCR amplification of the control template creating a 600 bp amplicon. This is followed by heteroduplex formation and digestion using T7 Endonuclease I, resulting in the expected 200 bp and 400 bp cleavage products, and the 600 bp parental homoduplex.	Pass
* Individual Product Component Note - Standard Quality Control Tests are performed for each component included in EnGen [®] Mutation Detection Kit and meet the designated specifications.	Pass



Authorized by
Derek Robinson
15 Jun 2018



Inspected by
Fei Liu
01 Nov 2017

