

New England Biolabs Certificate of Analysis

Product Name: *KLD Enzyme Mix*
Catalog Number: *M0554S*
Concentration: *10 X Concentrate*
Packaging Lot Number: *10192488*
Expiration Date: *04/2025*
Storage Temperature: *-20°C*
Specification Version: *PS-M0554S v1.0*
Composition (1X): *Proprietary*

KLD Enzyme Mix Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
M0554SVIAL	KLD Enzyme Mix	10186787	Pass
B0554AVIAL	KLD Reaction Buffer	10162365	Pass

Assay Name/Specification	Lot # 10192488
Functional Testing (Mutagenesis Kit) A 10 µl reaction in KLD Reaction Buffer containing 1 µl of PCR product and 1 µl KLD Enzyme Mix is incubated for 5 minutes at room temperature . Transformation of 50 µl NEB 5-alpha Chemically Competent Cells with 5 µl of the KLD mixture yields >50 colonies with >75% blue colonies when 2.5% of the transformation is plated on Ampicillin, IPTG and Xgal and incubated overnight at 37°C.	Pass

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

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Lindsey Spiegelman
Production Scientist
11 May 2023



Josh Hersey
Packaging Quality Control Inspector
19 Jun 2023