

New England Biolabs Certificate of Analysis

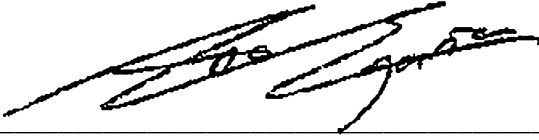
Product Name: KLD Enzyme Mix
Catalog Number: M0554S
Concentration: 10 X Concentrate
Packaging Lot Number: 10098693
Expiration Date: 12/2022
Storage Temperature: -20°C
Specification Version: PS-M0554S v1.0
Composition (1X): Proprietary

KLD Enzyme Mix Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
M0554SVIAL	KLD Enzyme Mix	10091648	Pass
B0554AVIAL	KLD Reaction Buffer	10091650	Pass

Assay Name/Specification	Lot # 10098693
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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26 Feb 2021



Michael Tonello
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26 Feb 2021