

New England Biolabs Certificate of Analysis

Product Name: KLD Enzyme Mix
Catalog Number: M0554S
Concentration: 10 X Concentrate
Packaging Lot Number: 10052070
Expiration Date: 10/2021
Storage Temperature: -20°C
Specification Version: PS-M0554S v1.0
Composition (1X): Proprietary

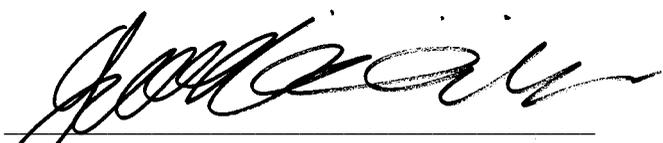
KLD Enzyme Mix Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
M0554SVIAL	KLD Enzyme Mix	10054758	Pass
B0554AVIAL	KLD Reaction Buffer	10052074	Pass

Assay Name/Specification	Lot # 10052070
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.



Cathy Shea
Production Scientist
03 Oct 2019



Jay Minichiello
Packaging Quality Control Inspector
15 Nov 2019