

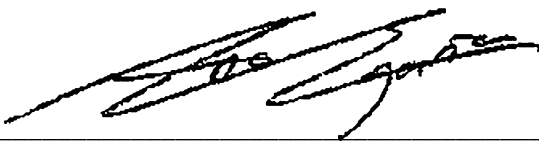
## New England Biolabs Certificate of Analysis

Product Name: *KLD Enzyme Mix*  
 Catalog Number: *M0554S*  
 Concentration: *10 X Concentrate*  
 Packaging Lot Number: *10077420*  
 Expiration Date: *06/2022*  
 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	10075154	Pass
B0554AVIAL	KLD Reaction Buffer	10075153	Pass

Assay Name/Specification	Lot # 10077420
<b>Functional Testing (Mutagenesis Kit)</b> 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.



Ana Egana  
Production Scientist  
16 Jul 2020



Michael Tonello  
Packaging Quality Control Inspector  
16 Jul 2020