

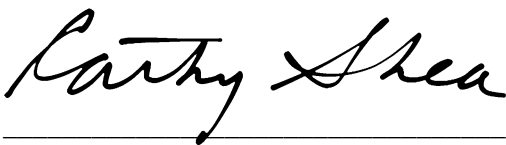
New England Biolabs Certificate of Analysis

Product Name: *KLD Enzyme Mix*
 Catalog Number: *M0554S*
 Concentration: *10 X Concentrate*
 Lot Number: *10050918*
 Expiration Date: *06/2021*
 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	10052069	Pass
B0554AVIAL	KLD Reaction Buffer	10030335	Pass

Assay Name/Specification	Lot # 10050918
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
04 Sep 2019



Michael Tonello
Packaging Quality Control Inspector
05 Sep 2019