

New England Biolabs Certificate of Analysis

Product Name: *KLD Enzyme Mix*
Catalog Number: *M0554S*
Concentration: *10 X Concentrate*
Packaging Lot Number: *10106648*
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 | 10091650 | Pass |

| Assay Name/Specification | Lot # 10106648 |
|--|----------------|
| 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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11 May 2021



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11 May 2021