

New England Biolabs Product Specification

Product Name: KLD Enzyme Mix
Catalog #: M0554S
Concentration: 10X Concentrate
Shelf Life: 24 months
Storage Temp: - 20°C
Composition (1X): Proprietary
Specification Version: PS-M0554S v1.0
Effective Date: 07 Apr 2017

Assay Name/Specification (minimum release criteria)

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.

* The BSA in this product has been granted an EDQM "Certificate of Suitability" from the European Directorate for the Quality of Medicines (# R1-CEP-2003-204-Rev00) and has been granted a USDA Certificate for Export of Bovine Blood Plasma/Serum for Manufacture into Pharmaceutical Products.



Date 07 Apr 2017

Derek Robinson
Director of Quality Control

