

New England Biolabs Certificate of Analysis

Product Name: *EnGen® sgRNA Synthesis Kit, S. pyogenes*
 Catalog Number: *E3322S*
 Lot Number: *10044273*
 Expiration Date: *09/2020*
 Storage Temperature: *-20°C*
 Specification Version: *PS-E3322S v2.0*

| EnGen® sgRNA Synthesis Kit, S. pyogenes Component List | | | |
|--|---|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| S3321AVIAL | sgRNA Control Oligo, S. py | 0011709 | Pass |
| N3320AVIAL | EnGen® 2X sgRNA Reaction Mix, S. pyogenes | 10041930 | Pass |
| M3322AVIAL | EnGen® sgRNA Enzyme Mix | 10033699 | Pass |
| M0303AAVIAL | DNase I (RNase-free) | 10033737 | Pass |
| B1222AVIAL | 0.1M DTT | 10033643 | Pass |

| Assay Name/Specification | Lot # 10044273 |
|---|----------------|
| Functional Testing (RNA Synthesis, Yield) A 20 µl reaction in the presence of 1X EnGen® sgRNA Reaction Mix containing 0.25 µM EnGen® sgRNA Control Oligo and 1 µl of 0.1M DTT with 2 µl of the EnGen® sgRNA Enzyme Mix incubated for 30 minutes at 37°C results in a minimum of 15 µg of sgRNA as determined by OD 260 and gel electrophoresis. | Pass |
| * Individual Product Component Note Standard Quality Control Tests are performed for each component included in EnGen® sgRNA Synthesis Kit, S. pyogenes and meet the designated specifications. | Pass |

This product has been tested and shown to be in compliance with all specifications.



Bhairavi Jani
Production Scientist
30 Apr 2019



Michael Tonello
Packaging Quality Control Inspector
30 Apr 2019