

## New England Biolabs Certificate of Analysis

Product Name: *EnGen® sgRNA Synthesis Kit, S. pyogenes*  
 Catalog Number: *E3322V*  
 Packaging Lot Number: *10100206*  
 Expiration Date: *08/2022*  
 Storage Temperature: *-20°C*  
 Specification Version: *PS-E3322S/V 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     | 10092690   | Pass                 |
| N3320SVIAL   | sgRNA Reaction Mix, S.pyogenes | 10084752   | Pass                 |
| M3322AVIAL   | EnGen® sgRNA Enzyme Mix        | 10099779   | Pass                 |
| M0303AAVIAL  | DNase I (RNase-free)           | 10099612   | Pass                 |
| B1222AVIAL   | 0.1M DTT                       | 10092678   | Pass                 |

| Assay Name/Specification  | Lot # 10100206 |
|---|----------------|
| <b>Functional Testing (RNA Synthesis, Yield)</b><br>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           |
| <b>* Individual Product Component Note</b><br>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.

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit [www.neb.com/trademarks](http://www.neb.com/trademarks) for additional information.

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19 Feb 2021

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24 Feb 2021