

New England Biolabs Product Specification

Product Name: EnGen[®] sgRNA Synthesis Kit, *S. pyogenes*
Catalog #: E3322S
Kit Components: EnGen[®] sgRNA Enzyme Mix (M3322)
EnGen[®] 2X sgRNA Reaction Mix, *S. pyogenes* (N3320)
EnGen[®] sgRNA Control Oligo, *S. pyogenes* (S3321)
DNase I (M0303)
0.1M DTT (B1222)

Shelf Life: 18 months
Storage Temp: -20°C
Specification Version: PS-E3322S v2.0
Effective Date: 03 Feb 2019

Assay Name/Specification (minimum release criteria)

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.

* **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.



Date 03 Feb 2019

Derek Robinson
Director of Quality Control

