

## New England Biolabs Certificate of Analysis

Product Name: *EnGen® sgRNA Synthesis Kit, S. pyogenes*  
 Catalog Number: *E3322S*  
 Packaging Lot Number: *10154218*  
 Expiration Date: *11/2023*  
 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	10154007	Pass
N3320AVIAL	EnGen® 2X sgRNA Reaction Mix, S. pyogenes	10130631	Pass
M3322AVIAL	EnGen® sgRNA Enzyme Mix	10132743	Pass
M0303AAVIAL	DNase I (RNase-free)	10133295	Pass
B1222AVIAL	0.1M DTT	10133293	Pass

Assay Name/Specification	Lot # 10154218
<b>Functional Testing (RNA Synthesis, Yield)</b> 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> 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.

*Dongxian Yue*

Dongxian Yue  
Production Scientist  
27 May 2022

*Michael Tonello*

Michael Tonello  
Packaging Quality Control Inspector  
31 May 2022