

## New England Biolabs Certificate of Analysis

Product Name: *EnGen® sgRNA Synthesis Kit, S. pyogenes*  
 Catalog Number: *E3322S*  
 Lot Number: *10034536*  
 Expiration Date: *06/2020*  
 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	10013392	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 # 10034536
<p><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.</p> <p><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.</p>	<p>Pass</p> <p>Pass</p>

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



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Bhairavi Jani  
Production Scientist  
20 Feb 2019



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Michael Tonello  
Packaging Quality Control Inspector  
20 Feb 2019