

New England Biolabs Certificate of Analysis

Product Name: Rapid™ PNGase F (non-reducing format)
 Catalog Number: P0711S
 Unit Definition: N/A
 Packaging Lot Number: 10118376
 Expiration Date: 04/2022
 Storage Temperature: 4°C
 Storage Conditions: 50 mM NaCl , 20 mM Tris-HCl , 5 mM EDTA, (pH 7.5 @ 25°C)
 Specification Version: PS-P0711S v2.0

Rapid™ PNGase F (non-reducing format) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
P0711SVIAL	Rapid™ PNGase F (non-reducing format)	10106636	Pass
B0717SVIAL	5X Rapid PNGase F Buffer (non-reducing format)	10106638	Pass

Assay Name/Specification	Lot # 10118376
<p>Glycosidase Activity (α-Neuraminidase) A 10 µl reaction in Rapid PNGase F Buffer (non-reducing format) containing 1 nM of fluorescently-labeled α-Neuraminidase substrate (Neu5Acα2-3Galβ1-3GlcNAcβ1-3Galβ1-4Glc-AMC) and 1 µl of Rapid PNGase F (non-reducing format) incubated for 20 hours at 37°C results in no detectable activity as determined by thin layer chromatography.</p>	Pass
<p>Glycosidase Activity (α-N-Acetylgalactosaminidase) A 10 µl reaction in Rapid PNGase F Buffer (non-reducing format) containing 1 nM of fluorescently-labeled α-N-Acetylgalactosaminidase substrate (GalNAcα1-3(Fuca1-2)Galβ1-4Glc-AMC) and 1 µl of Rapid PNGase F (non-reducing format) incubated for 20 hours at 37°C results in no detectable activity as determined by thin layer chromatography.</p>	Pass
<p>Glycosidase Activity (β-N-Acetylglucosaminidase) A 10 µl reaction in Rapid PNGase F Buffer (non-reducing format) containing 1 nM of fluorescently-labeled β-N-Acetylglucosaminidase substrate (GlcNAcβ1-4GlcNAcβ1-4GlcNAc-AMC) and 1 µl of Rapid PNGase F (non-reducing format) incubated for 20 hours at 37°C results in no detectable activity as determined by thin layer chromatography.</p>	Pass
<p>Glycosidase Activity (β-Xylosidase)</p>	Pass

Assay Name/Specification	Lot # 10118376
<p>fluorescently-labeled β-Galactosidase substrate (Galβ1-4GlcNAcβ1-3Galβ1-4Glc -AMC) and 1 μl of Rapid PNGase F (non-reducing format) incubated for 20 hours at 37°C results in no detectable activity as determined by thin layer chromatography.</p> <p>Glycosidase Activity (β-Mannosidase) A 10 μl reaction in Rapid PNGase F Buffer (non-reducing format) containing 1 nM of fluorescently-labeled β-Mannosidase substrate (Manβ1-4Manβ1-4Man-AMC) and 1 μl of Rapid PNGase F (non-reducing format) incubated for 20 hours at 37°C results in no detectable activity as determined by thin layer chromatography.</p>	<p>Pass</p>

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

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Alicia Bielik
Production Scientist
29 Sep 2021



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Packaging Quality Control Inspector
29 Sep 2021