

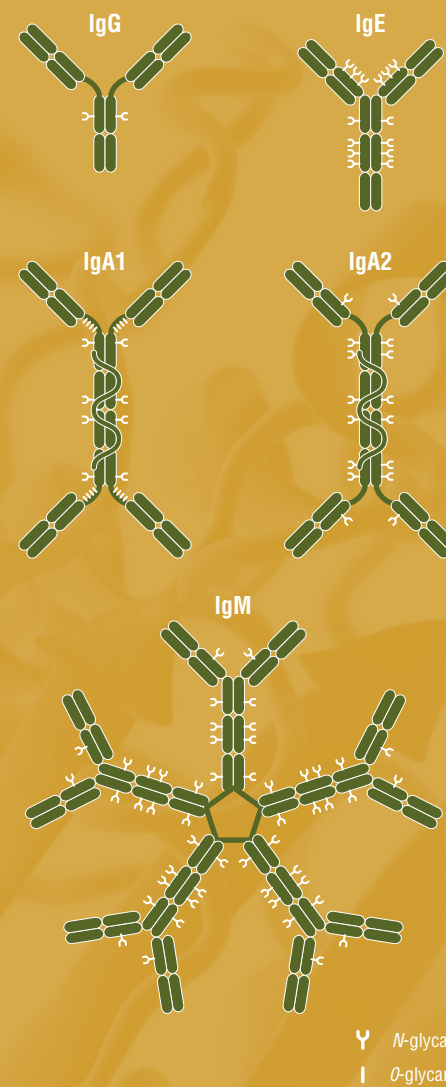
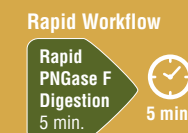
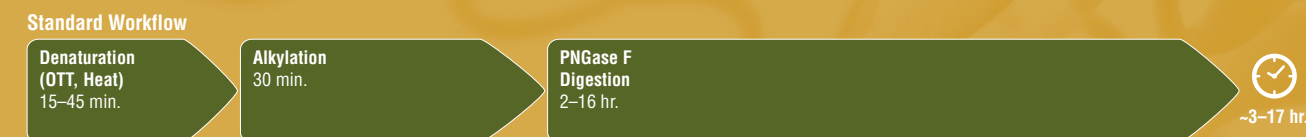
Is antibody deglycosylation slowing down your workflow?

Rapid PNGase F is an improved reagent for the deglycosylation of different isotypes (classes) of antibodies and antibody-fusion proteins. It allows for complete and rapid deglycosylation in minutes. All *N*-glycans are released, without bias, and ready to be prepared for downstream chromatography or mass spectrometry analysis.

Benefits

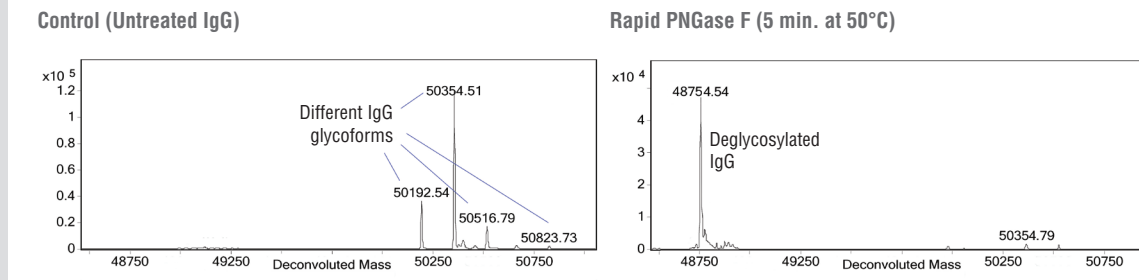
- Speed up your deglycosylation with our one-step reaction setup
- Release all *N*-glycans without bias
- Achieve sensitive and reproducible results with short reaction times
- Move directly and rapidly to downstream chromatography or mass spectrometry analysis
- Highly purified, recombinant protein with a long shelf life, reducing lot-to-lot variability

With Rapid PNGase F, you can achieve complete deglycosylation in minutes



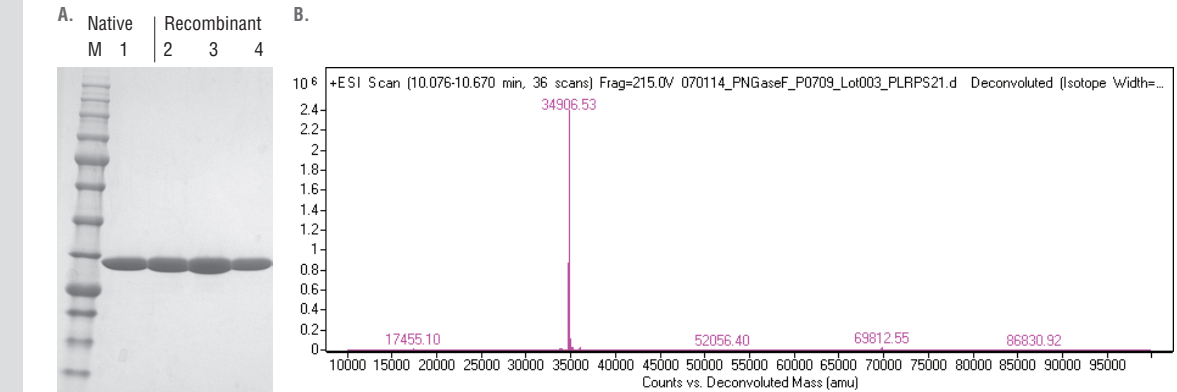
Achieve complete deglycosylation of antibodies and glycoproteins in less than 10 minutes.

Rapid PNGase F results in complete deglycosylation with a short incubation



Incomplete PNGase F digestions are a concern because some *N*-glycans may be removed faster than others, resulting in a biased analytical composition. A monoclonal murine antibody was incubated for 5 min. with Rapid PNGase F, demonstrating that a short incubation is sufficient to deglycosylate every *N*-glycan site without bias.

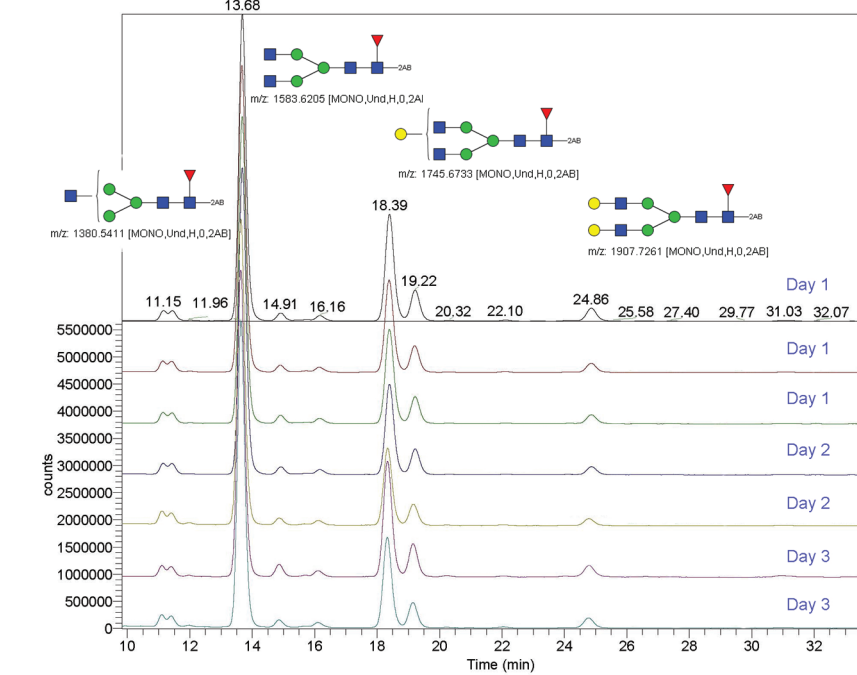
All PNGase F products from NEB are highly pure for reproducible results



A) SDS-PAGE analysis of PNGase F (Glycerol-free). M: Unstained Protein Marker, Broad Range (2-212 kDa). Lane 1: Native PNGase F (NEB #P0704), Lot 41. Lane 2-4: Recombinant PNGase F (NEB #P0708), Lot 2, 3, 4
B) Intact MS analysis of PNGase F (Glycerol-free), Recombinant (NEB #P0709). MW: 34,906.53 Daltons. Mass determination by an Agilent® 6210 TOF LC/MS.



Rapid PNGase F delivers a highly reproducible glycan profile, even for low abundance species



Rituximab samples (80 µg) were treated for 5 min. with Rapid PNGase F. Released *N*-glycans were labeled with 2AB and analyzed by LC-MS. Results show seven replicates from 3 different days, by different operators. The glycan profile is highly reproducible, even for low abundance species.

Not sure which PNGase F product will work best for you?

NEB offers a selection of PNGase F products, all of which are highly pure for reproducible results. The selection chart below shows recommendations for different applications.

	RAPID PNGase F	PNGase F	PNGase F (GLYCEROL-FREE)	REMOVE-IT® PNGase F	RECOMBINANT PNGase F	RECOMBINANT PNGase F (GLYCEROL-FREE)
<i>N</i> -glycan removal from glycoproteins		•	•	•	•	•
Optional removal of the enzyme from the reaction				•		
Glycoprotein analysis, regularity monitoring	•*				•	•
High-throughput antibody analysis, regularity monitoring	•					
Glycomics	•	•	•	•	•	•
Proteomics	•		•	•		•

* Rapid PNGase F works for many other glycoproteins (not antibody-related), but this needs to be empirically tested for each glycoprotein.

For more information, visit www.NEBGlycosidase.com



Did you know that many of these products can be purchased in larger volumes? Contact nebsolutions@neb.com to find out more.

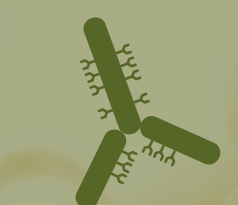
Antibody analysis made simple with Rapid PNGase F.



Quality control



Regulatory monitoring



THERAPEUTIC ANTIBODIES



Glycoform profiling

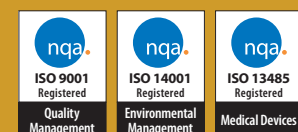
Save time during regulatory monitoring and quality control with precise glycoform profiling

Choose from our selection of PNGase F products

For your deglycosylation application.

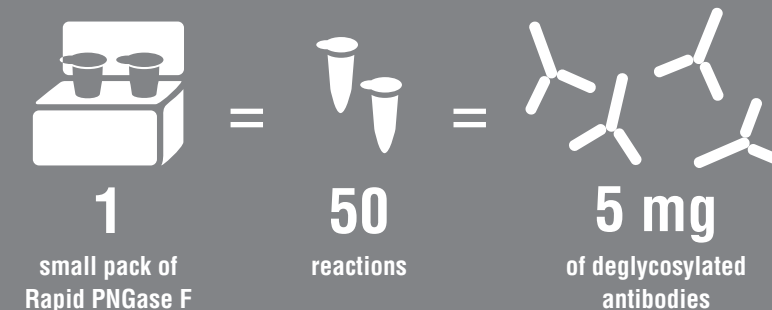
PRODUCT	NEB #	SIZE
Rapid PNGase F	P0710S	50 reactions
PNGase F	P0704S/L	15,000/75,000 units
PNGase F (Glycerol-Free)	P0705S/L	15,000/75,000 units
Remove-IT PNGase F	P0706S/L	6,750/33,750 units
PNGase F, Recombinant	P0708S/L	15,000/75,000 units
PNGase F (Glycerol-Free), Recombinant	P0709S/L	15,000/75,000 units

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PNGaseF_TRI - Version 1.0 - 7/15

What do you get with Rapid PNGase F?



For more information, visit www.neb.com/p0710

USA
New England Biolabs, Inc.
Telephone (978) 927-5054
Toll Free (USA Orders) 1-800-632-5227
Toll Free (USA Tech) 1-800-632-7799
Fax (978) 921-1350
info@neb.com
www.neb.com

Canada
New England Biolabs, Ltd.
Toll Free: 1-800-387-1095
info.ca@neb.com

China, People's Republic
New England Biolabs (Beijing), Ltd.
Telephone: 010-82378265/82378266
info@neb-china.com

France
New England Biolabs France
Telephone : 0800 100 632
info.fr@neb.com

Germany & Austria
New England Biolabs GmbH
Free Call: 0800/246 5227 (Germany)
Free Call: 00800/246 52277 (Austria)
info.de@neb.com

Japan
New England Biolabs Japan, Inc.
Telephone: +81 (0)3 5669 6191
info@neb-japan.com

Singapore
New England Biolabs, PTE. Ltd.
Telephone +65 6776 0903
sales.sg@neb.com

United Kingdom
New England Biolabs (UK), Ltd.
Call Free: 0800 318486
info.uk@neb.com

www.neb.com

Rapid™ PNGase F

COMPLETE DEGLYCOSYLATION IN MINUTES

