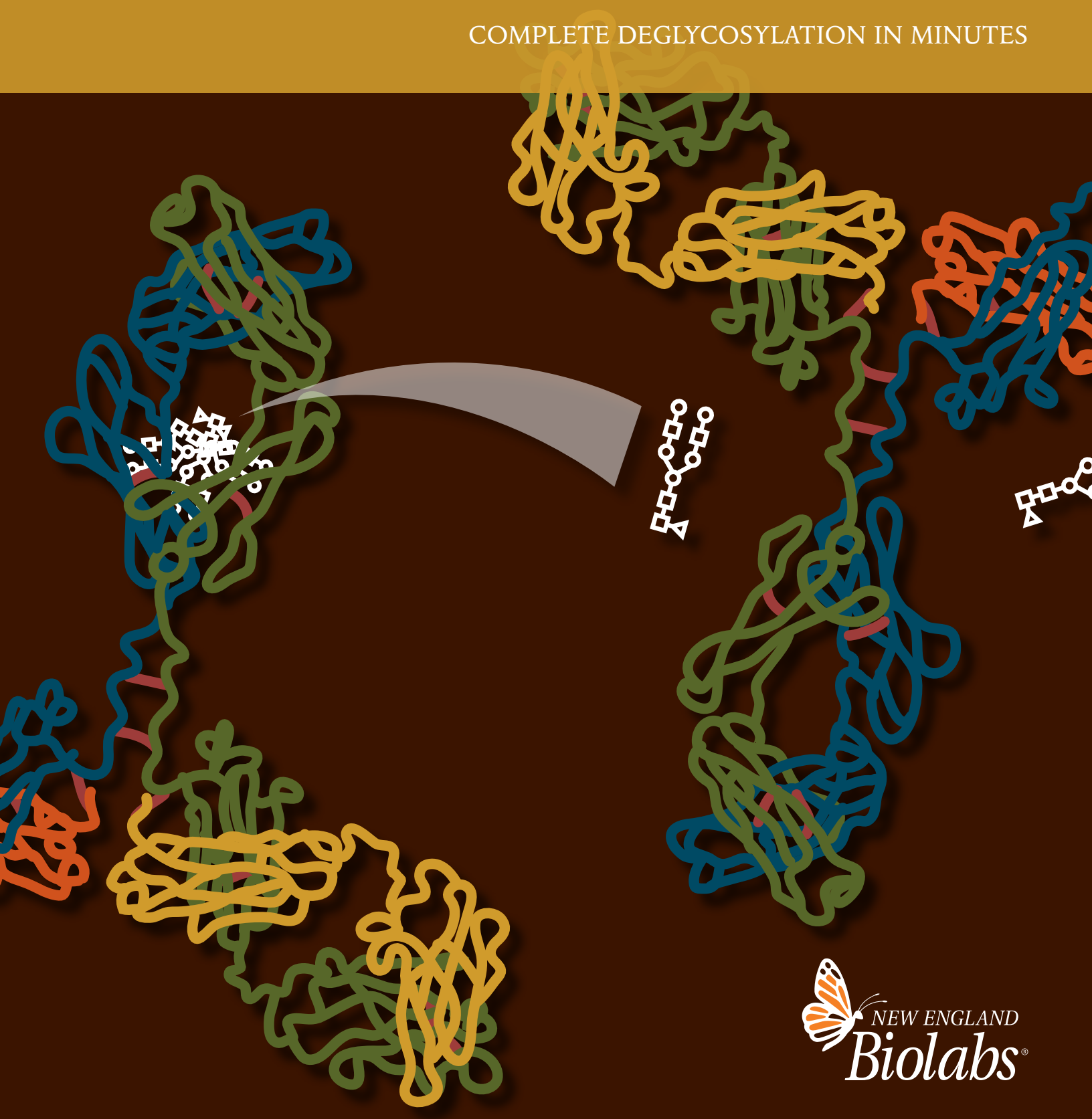
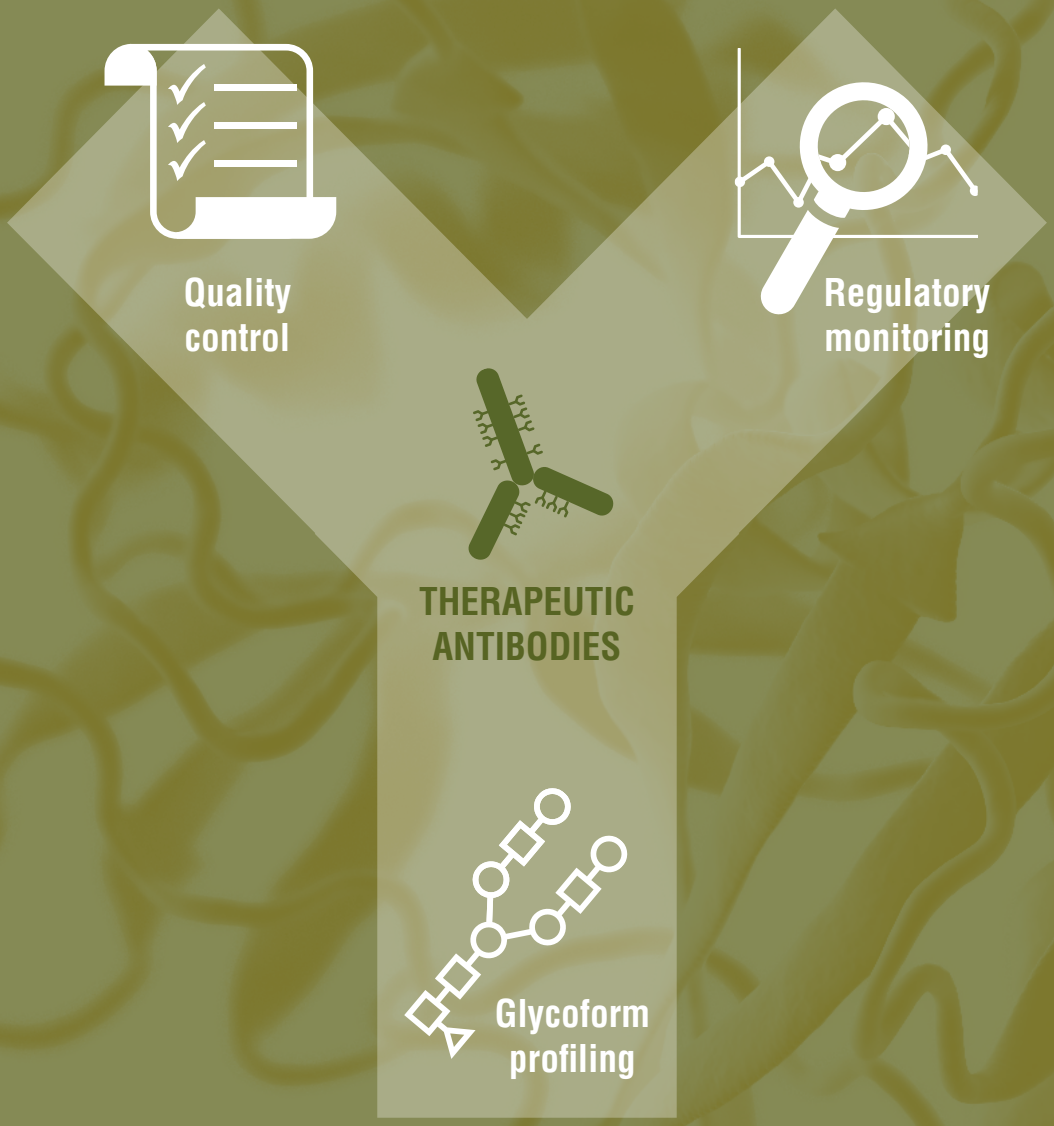
Rapid™ PNGase F

COMPLETE DEGLYCOSYLATION IN MINUTES



NEW ENGLAND Biolabs®

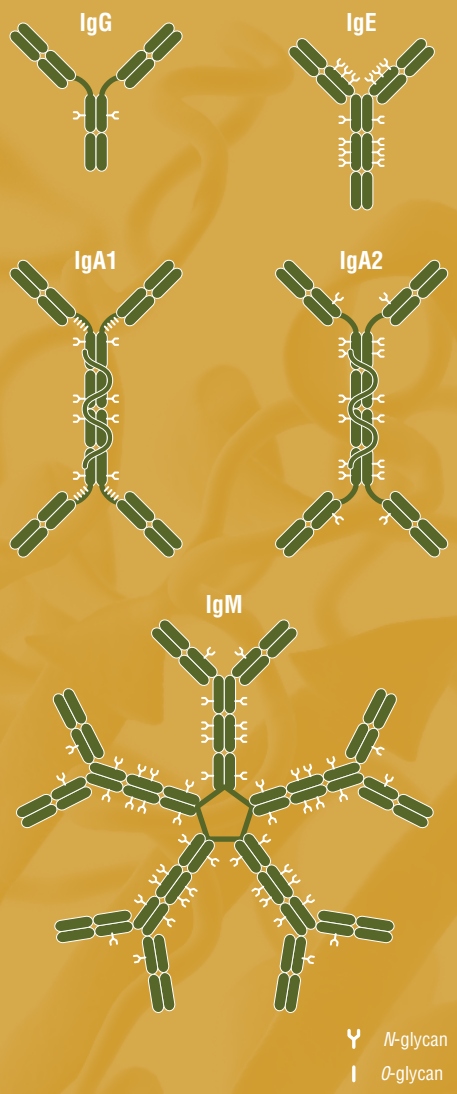
Antibody analysis made simple with Rapid PNGase F.



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

Is antibody deglycosylation slowing down your workflow?

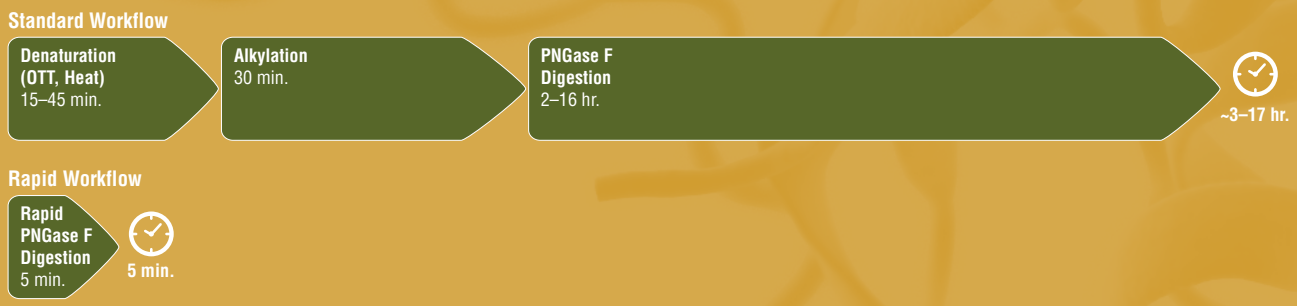
Rapid PNGase F is an improved reagent for the deglycosylation of different isotypes (classes) of antibodies and antibody-fusion proteins. It allows for complete and rapid deglycosylation in minutes. All *N*-glycans are released, without bias, and ready to be prepared for downstream chromatography or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



Benefits

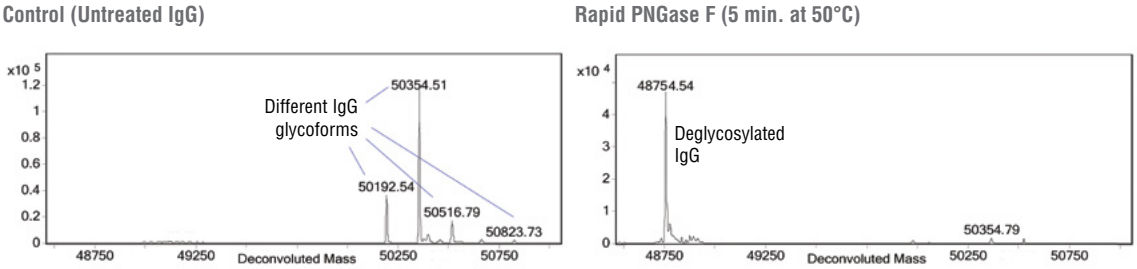
- Speed up your deglycosylation with our one-step reaction setup
- Release all *N*-glycans without bias
- Achieve sensitive and reproducible results with short reaction times
- Move directly and rapidly to downstream chromatography or mass spectrometry analysis
- Highly purified, recombinant protein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

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



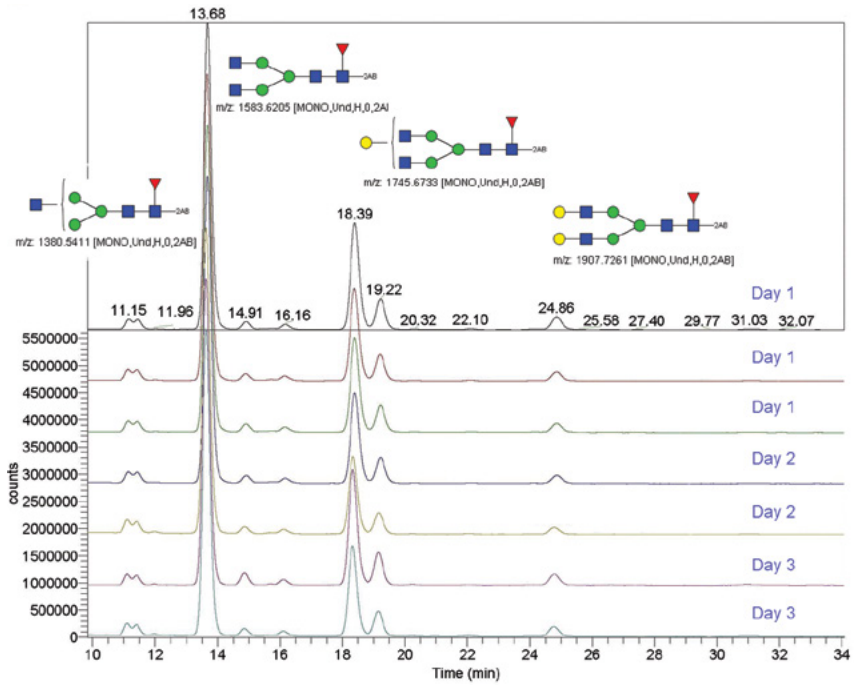
Achieve complete deglycosylation in less than 10 minutes.

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.

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

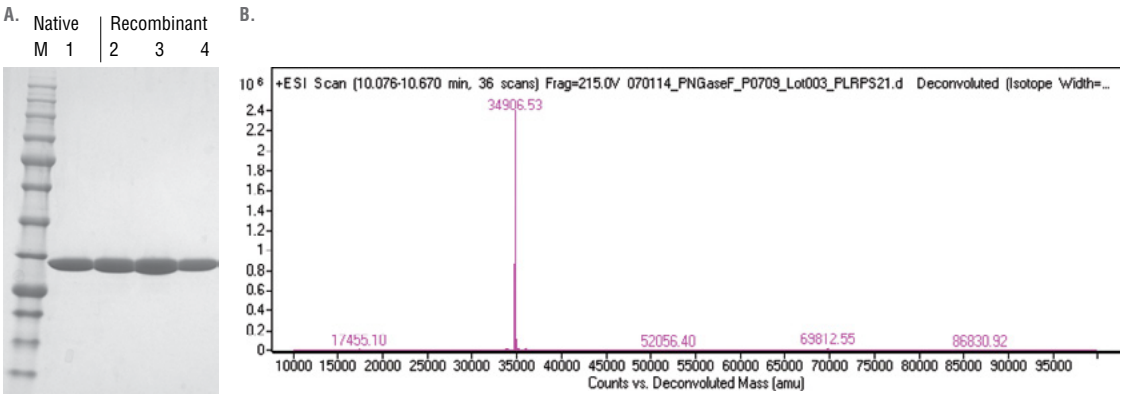


Rituximab samples (80 µg) were treated for 5 min. with Rapid PNGase F. Released N-glycans were labeled with 2AB and analyzed by LC-MS. Results show seven replicates from 3 different days, by different operators. The glycan profile is highly reproducible, even for low abundance species.

For more information, visit www.NEBGlycosidase.com

# of antibodies and glycoproteins

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.

ISO 13485 Registered Medical Devices

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)
N-glycan removal from glycoproteins		●	●	●	●	●
Optional removal of the enzyme from the reaction				●		
Glycoprotein analysis, regularory monitoring	●*				●	●
High-throughput antibody analysis, regularory monitoring	●					
Glycomics	●	●	●	●	●	●
Proteomics	●		●	●		●

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

Did you know that many of these products can be purchased in large volumes and custom formats? Learn more at **www.neb.com/customizedsolutions**

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

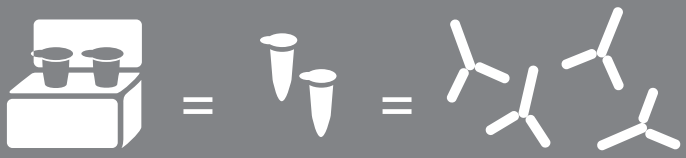
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AGILENT® is a registered trademark of Agilent, Inc.
B CORPORATION® is a registered trademark of B Lab IP, LLC, Inc.
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www.neb.com

ISO 9001 Registered Quality Management
ISO 14001 Registered Environmental Management
ISO 13485 Registered Medical Devices
Certified B Corporation
SGP Sustainable Green Printing Partnership sgppartnership.org

PNGaseF_TRI – Version 1.1 – 08/24

What do you get with Rapid PNGase F?



1 small pack of Rapid PNGase F = **50** reactions = **5 mg** of deglycosylated antibodies

For more information, visit
www.neb.com/P0710



Did you know that many of these products can be purchased in large volumes and custom formats? Learn more at **www.neb.com/customizedsolutions**

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