



nUView Tris-Glycine Precast Gels

Simply the best gels on the market...



Introducing nUView...

Innovative nUView rapid protein visualization technology

NuSep manufactures gels that fit your tanks.

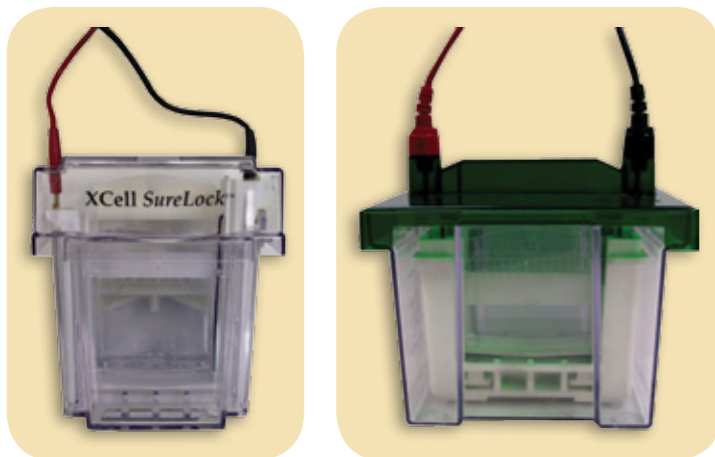
Our nUView NN gels fit XCell SureLock™ tanks.

Our nUView NB gels fit Mini-Protein® tanks.

NuSep gels

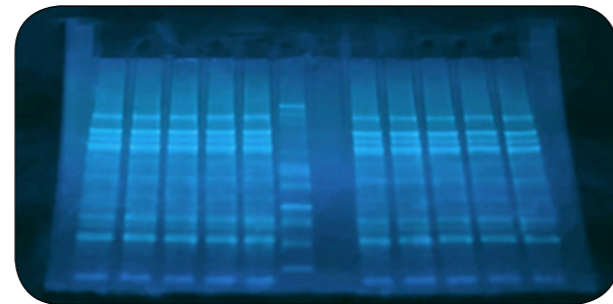


In your tank



nUView means 2 minute visualization

After running, simply place your gel over a standard 250- 320 nm UV trans-illuminator and watch high-resolution bands appear in just 2 minutes, before downstream processes, e.g. Western Blotting and MS analysis.



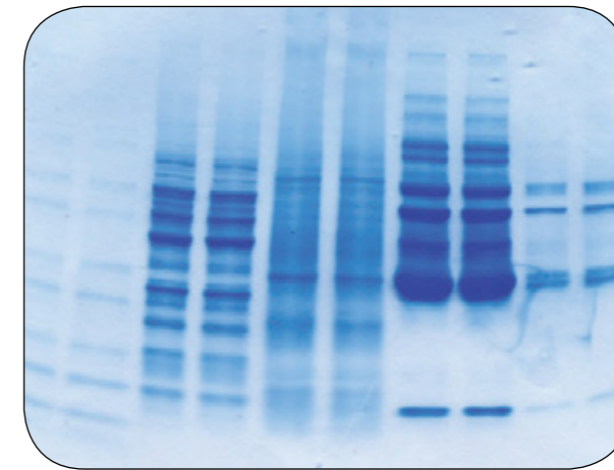
2 minute visualization under UV light

- E**ase of use
- A**nalyse immediately
- S**helf life (18 months)
- Y**our tank

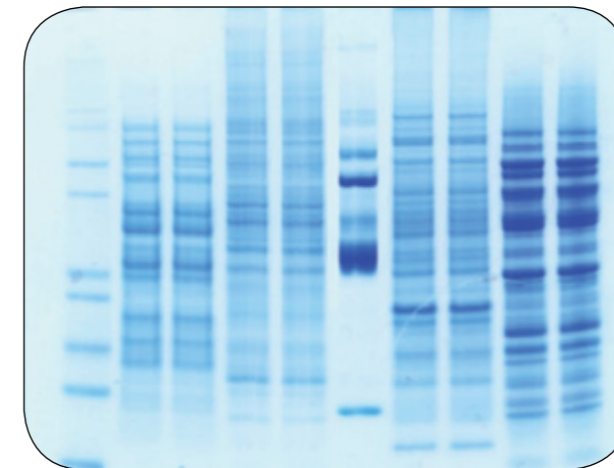
Higher Resolution...

Others

TGX 4-20%

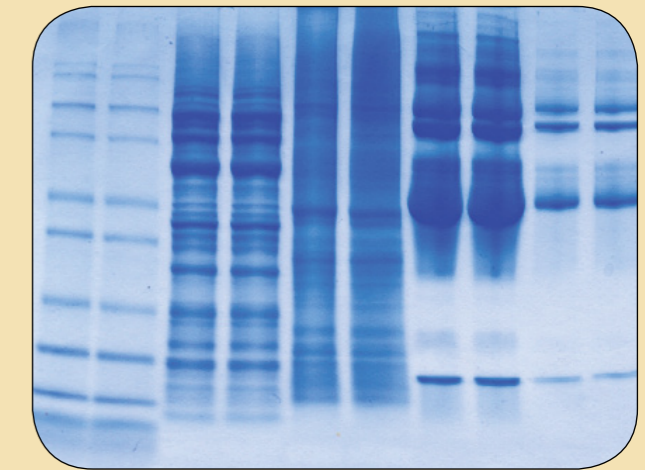


NuPAGE 4-12%

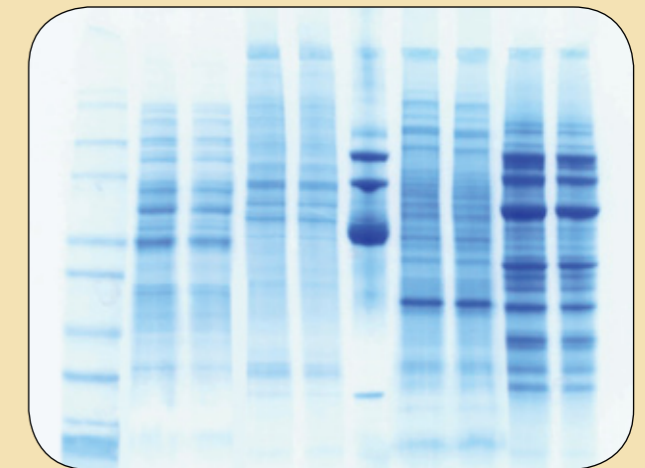


NuSep

NuSep nUView NB 4-20%



NuSep nUView NN 4-20%



Fast Run Times

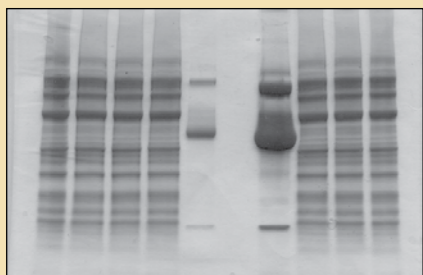
The formulation of nUView Tris-Glycine gels is developed in 125 Vh as compared to standard Laemmli gels of the same length which require 225 Vh when developed in Tris-Glycine/SDS. This reduces the time to run the gels.

nUView Cassette Selection	Running Time (minutes) in Different Buffers		
	Tris-Glycine @ 250V	Tris-MOPS @ 200V	Tris-MES @ 200V
NN (fits XCell SureLock™ tanks)	55	35	45
NB (fits Mini-Protean® tanks)	35	20	25
NG (fits all other tanks)	30	20	25

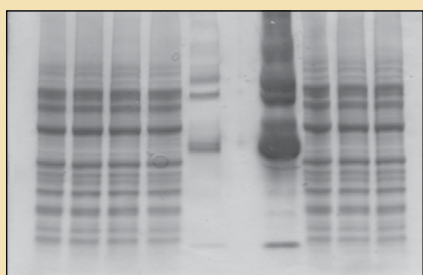
Note: Standard Laemmli gel run in Tris-Glycine at 150V will have a run time of 90 minutes

Stability & Easy Storage

18 month storage life (4°C) from date of manufacture or 6 months at room temperature (25°C)



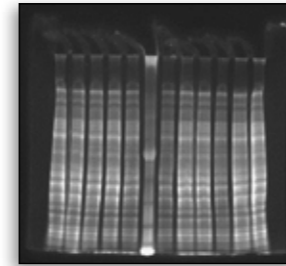
At 4°C



At 37°C



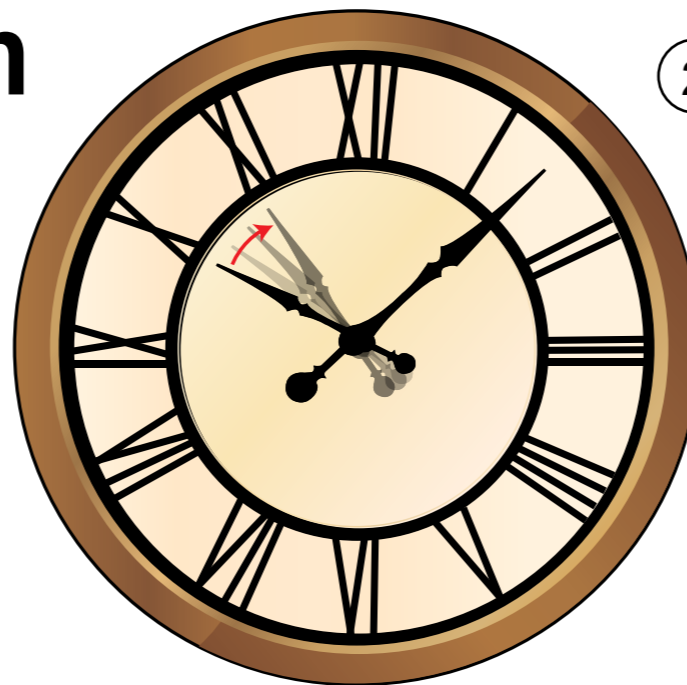
Run samples in your tank



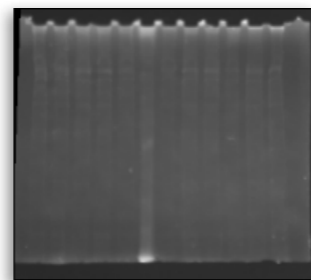
After run, visualize your gel under UV

① **Run**

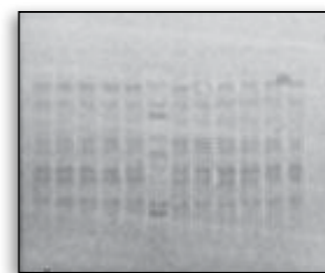
② **View**



③ **Confirm**
Transfer Efficiency



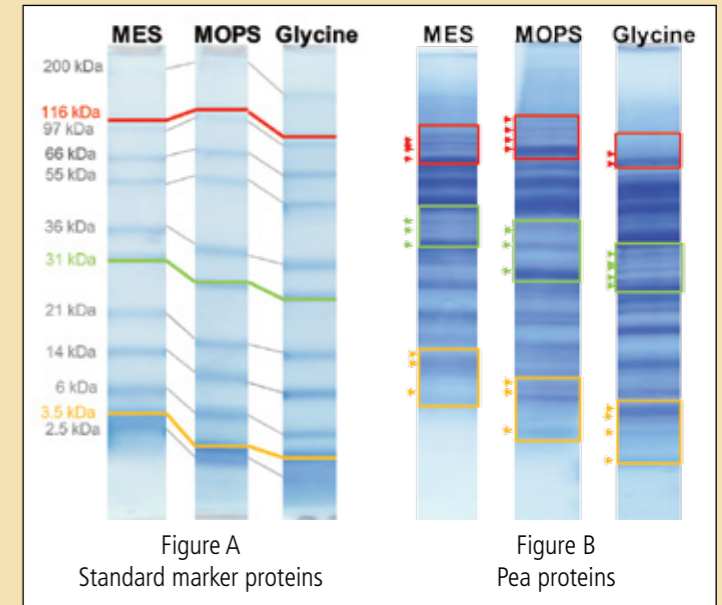
After transfer, visualize residual protein in gel under UV



After transfer, visualize your PVDF membrane under UV

Flexibility to Run in Different Buffer Systems

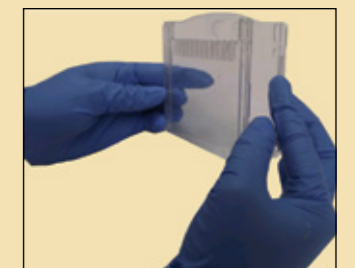
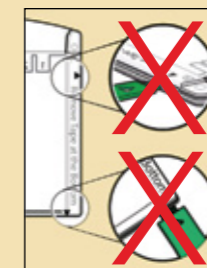
NuSep Tris-Glycine gels can be developed in a range of Tris buffers with different counter ions, each producing a subtle variation to the migration pattern (Figures A and B).



Easy to Use

NuSep precast gels are easy to use and contain:

- Solid plastic well dividers to make loading easy
- Tear open pouch and gently pinch cassette wells
- No tape to remove
- Trouble-free cassette loading and opening (requiring no key or knife to open)



nUView - How it Works

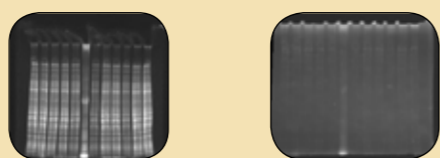
nUView gels allow the separated protein bands to be visualized by illuminating the gel on a standard UV trans-illuminator or in a gel-doc system.

The amino acid tryptophan is naturally fluorescent, but not in the visible spectrum. However using nUView, the fluorescent is shifted to the visible blue spectrum with excitation by UV light. This gives similar visualization to other staining methods.

A. Standard UV Trans-illuminator



B. Gel-doc System



1. Run a nUView gel.
2. Rinse the surface of a gel very briefly.
3. Place the gel on the plate.
4. Turn on the UV for at least 90 sec.
5. Check the UV-dependant fluorescent proteins bands
6. Take a photo with a suitable camera, ideally with blue lens.

1. Run a nUView gel.
2. Rinse the surface of a gel very briefly.
3. Place the gel on the plate.
4. Select transillumination for excitation (excited at 300nm).
5. Select shortwave filter (Green/Blue) for emission.
6. Switch on the UV for 90 seconds until bands are visualized.
7. Take the image with exposure of 1-2 seconds

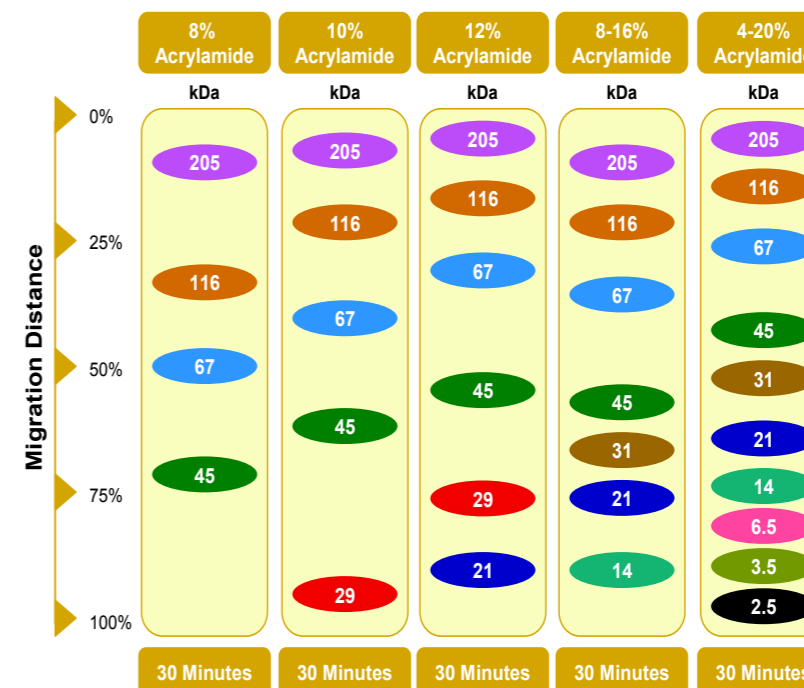
Applications

1. Transfer the gels to PVDF for Western Blot. After transfer the same gel can be viewed under UV to check for protein transfer efficiency.
2. Pick up bands for MS analyses, or
3. Post-stain with a normal Coomassie.

Product Specifications

Company	NuSep	NuSep	NuSep	Invitrogen™	Bio-Rad®
Brand	nUView NB Cassette	nUView NN Cassette	nUView NG Cassette	NuPAGE® Bis-Tris	Mini-PROTEAN® TGX™
UV and Band Visualization in Minutes	✓ 2 minutes	✓ 2 minutes	✓ 2 minutes	✗ 16 hours	✗ 16 hours
Recommended Running Buffer	Tris-Glycine, Tris-MES or Tris-MOPS	Tris-Glycine, Tris-MES or Tris-MOPS	Tris-Glycine, Tris-MES or Tris-MOPS	Tris-Glycine, Tris-MES or Tris-Acetate	Tris-Glycine
Compatible Tanks	Mini-PROTEAN® Tanks	XCell SureLock™ Tanks	All other 10cm Tanks	XCell SureLock™ Tanks	Mini-PROTEAN® Tanks
Run Time (Tris-Glycine)	35 minutes	55 minutes (35 minutes - MES Buffer)	30 minutes	-- (35 minutes - MES Buffer)	30 minutes
Recommended Voltage	250V	250V	250V	200V	200V
No Tooling Required to Open Cassette	✓	✓	✓	✗	✗
Solid Well Dividers	✓	✓	✓	✗	✗
SDS in Gel	✗	✗	✗	✗	✗
Shelf-life at 4°C	18 Months	18 Months	18 Months	12 Months	12 Months
Cassette Size: Wide High Thick	10.0cm 8.5cm 0.5cm	10.0cm 10.0cm 0.7cm	10.0cm 8.0cm 0.5cm	10.0cm 10.0cm 0.7cm	10.0cm 8.0cm 0.46cm
Gel size: Wide High Thick	8.0cm 7.3cm 0.1cm	8.0cm 8.8cm 0.1cm	8.0cm 6.8cm 0.1cm	8.0cm 7.5cm 0.1cm	8.6cm 7.3cm 0.1cm

Broad Migration Range for nUView Gels



nUView - Tris-Glycine Precast Gels

Each box contains
10 cassettes

	% Acrylamide	10 Well 50 µL (Cat #)	12 Well 30 µL (Cat #)	15 Well 25 µL (Cat #)	17 Well 20 µL (Cat #)
NN Cassette 10.0 cm (width) 10.0 cm (length) Fits XCell SureLock™	8%	NN10-008	NN12-008	-	NN17-008
	10%	NN10-010	NN12-010	-	NN17-010
	12%	NN10-012	NN12-012	-	NN17-012
	8-16%	NN10-816	NN12-816	-	NN17-816
	4-20%	NN10-420	NN12-420	-	NN17-420
NB Cassette 10.0 cm (width) 8.5 cm (length) Fits Mini-Protean® tanks	8%	NB10-008	NB12-008	-	NB17-008
	10%	NB10-010	NB12-010	-	NB17-010
	12%	NB10-012	NB12-012	-	NB17-012
	8-16%	NB10-816	NB12-816	-	NB17-816
	4-20%	NB10-420	NB12-420	-	NB17-420
NG Cassette 10.0 cm (width) 8.0 cm (length) (previously called iGels) Compatible with all other tanks	8%	NG21-008	NG11-008	NG31-008	-
	10%	NG21-010	NG11-010	NG31-010	-
	12%	NG21-012	NG11-012	NG31-012	-
	8-16%	NG21-816	NG11-816	NG31-816	-
	4-20%	NG21-420	NG11-420	NG31-420	-

Buffers	Cat #
Tris-Glycine SDS Running Buffer 5L Sachet	BG-143
Tru- Sep SDS Sample Buffer 5 mL x 2 (2x)	BG-145
Tris-Glycine Kit of BG -143 and BG- 145	BG-146
Transfer Buffer 500mL (20x)	BG-168

Stains and Accessories	Cat #
Novex Tank Adaptor Kit	AG-001
Coomassie Electrophoresis Stain 500mL	SG-021
Coomassie Electrophoresis Stain 500mL X 4	SG-022
Rapid Coomassie Electrophoresis Stain 500 mL	SG-010
Gel Drying Solution 500mL	GD-500
Gel Drying Solution 500mL X 4	GD-2000

NuSep is a life science company providing innovative tools that simplify and accelerate protein separation, fractionation and proteomic analysis.

nUView Precast Gels contain a unique formulation allowing protein bands to be visualized in only 2 minutes under ultraviolet (UV) light.

ProteoIQ is a powerful software that supports the entire proteomic data analysis pipeline from identification to quantification.

ProteomeSep is a unique benchtop instrument capable of charge and size separation of complex protein mixtures to help target the right part of the proteome.

Diagnostics provide specialized blood coagulation tests that are used to predict the risk of thrombosis and bleeding disorders.



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