



# nUView Rapid Protein Visualization Technology

## Visualize Bands in 2 Minutes

Simply place your gel over a 250-320 nm UV trans-illuminator and watch high-resolution bands appear in just 2 minutes. With nUView technology you no longer have to stain and de-stain your gels - increasing protein recovery and saving you significant time while receiving improved results.

## Run Times from 30 Minutes

Reduces the time to run the gels.

## Increased Resolution

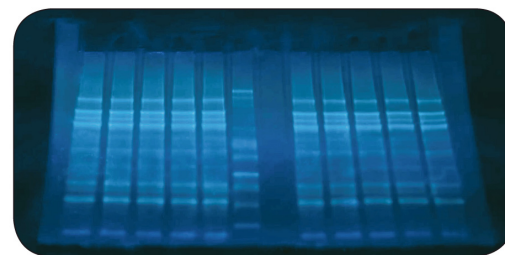
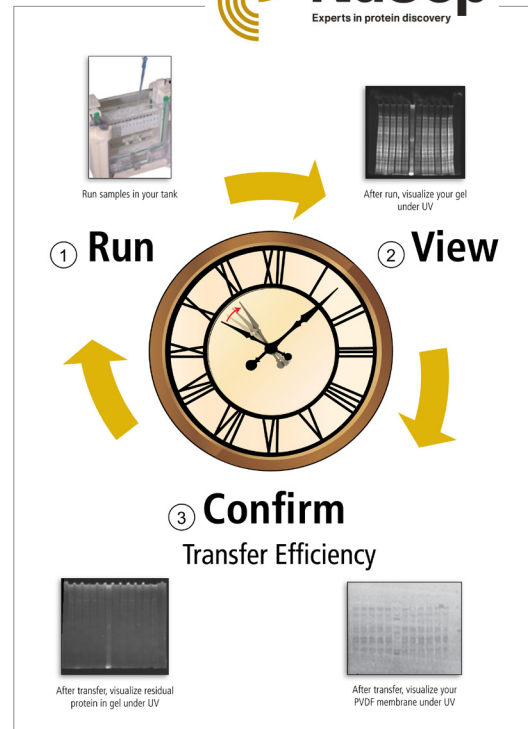
nUView Tris-Glycine gels are formulated to run at a constant 250 volts rather than 150 volts for the Laemmli gel (when using the Tris-Glycine/SDS running buffer). The higher voltage reduces the run time to 30 minutes compared to the 90 minutes with the Laemmli gel while maintaining a high resolution separation.

## Longer Shelf Life

With an 18 month shelf life (4°C) from date of manufacture or 6 months at room temperature (25°C), NuSep gels provide reproducible results time after time.

## 3 Different Cassette Sizes

- NN: Passend für Invitrogen™ Novex® XCell I und II und SureLock™ und andere Max-Gelsysteme
- NB: Passend für Bio-Rad Mini-Protean® Tanks und andere Mini-Gelsysteme
- NG: Passend für alle anderen 10 cm Standard-Tanks (früher iGele)



2 minute visualization under UV light

## nUView - How it works

nUView gels allow the separated protein bands to be visualized by illuminating the gel on a standard UV transilluminator 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.

### Standard UV transilluminator

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 protein bands.
6. Take a photo with a suitable camera, ideally with blue lens.

### 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. Select transillumination for excitation (excited at 300 nm).
5. Select shortwave filter (green/blue) for emission.
6. Switch on the UC for 90 sec. until bands are visualized.
7. Take the image with exposure of 1 - 2 sec.

### 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.



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## Product Specifications Precast Gels

Broad migration range for nUView gels.

Company	NuSep nUView NB Cassette	NuSep nUView NN Cassette	NuSep nUView NG Cassette	Invitrogen™ NuPAGE® Bis-Tris	Bio-Rad® Mini- PROTEAN® TGX™
Brand					
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-MES, Tris-MOPS 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	35 minutes	55 minutes (35 minutes – MES Buffer)	30 minutes	-- 35 minutes (MES Buffer)	30 minutes
Recommended Voltage	250 V	250 V	250 V	200 V	200 V
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	10.0 cm	10.0 cm	10.0 cm	10.0 cm	10.0 cm
High	8.5 cm	10.0 cm	8.0 cm	10.0 cm	8.0 cm
Thick	0.5 cm	0.7 cm	0.5 cm	0.7 cm	0.46 cm
Gel Size:					
Wide	8.0 cm	8.0 cm	8.0 cm	8.0 cm	8.6 cm
High	7.3 cm	8.8 cm	6.8 cm	7.5 cm	7.3 cm
Thick	0.1 cm	0.1 cm	0.1 cm	0.1 cm	0.1 cm

### NuSep und nUView Gele

**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.

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

**Proteome Sep** 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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## nUView Tris-Glycine Fertigele

Each box = 10 cassettes	Acrylamide %	10 Well 50 µl	12 Well 30 µl	15 Well 25 µl	17 Well 20 µl
<b>NN Cassette</b> Size: 10 x 10 cm  Fits Invitrogen™ Novex® XCell I und II und SureLock™ und andere Max-Gelsysteme	8 %	NN10-008 / 102.0615	NN12-008 / 102.0620	-	NN17-008 / 102.0625
	10 %	NN10-010 / 102.0616	NN12-010 / 102.0621	-	NN17-010 / 102.0626
	12 %	NN10-012 / 102.0617	NN12-012 / 102.0622	-	NN17-012 / 102.0627
	8 - 16 %	NN10-816 / 102.0618	NN12-816 / 102.0623	-	NN17-816 / 102.0628
	4 - 20 %	NN10-420 / 102.0619	NN12-420 / 102.0624	-	NN17-420 / 102.0629
<b>NB Cassette</b> Size: 10 x 8.5 cm (W x H)  Fits Bio-Rad Mini- Protean® Tanks and other Mini Gel Systems	8 %	NB10-008 / 102.0630	-	-	-
	10 %	NB10-010 / 102.0631	NB12-010 / 102.0636	-	NB17-010 / 102.0641
	12 %	NB10-012 / 102.0632	NB12-012 / 102.0637	-	-
	8 - 16 %	NB10-816 / 102.0633	NB12-816 / 102.0638	-	NB17-816 / 102.0643
	4 - 20 %	NB10-420 / 102.0634	NB12-420 / 102.0639	-	NB17-420 / 102.0644
<b>NG Cassette</b> Size: 10 x 8.0 cm (W x H) Fits all other 10 cm standard tanks (former iGels)	8 %	NG21-008 / 102.0300	-	-	-
	10 %	NG21-010 / 102.0301	-	NG31-010 / 102.1311	-
	12 %	NG21-012 / 102.0302	NG11-012 / 102.1302	NG31-012 / 102.1312	-
	8 - 16 %	NG21-816 / 102.0304	NG11-816 / 102.1304	NG31-816 / 102.1314	-
	4 - 20 %	NG21-420 / 102.0303	NG11-420 / 102.1303	NG31-420 / 102.1313	-



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## Buffers and Accessories

Description	Part No.
Mini Spin Sample Prep Kit	DB-001
Sample ClearUp Prep Kit	DB-002
Tru Sep Tris Glycine Running Buffer, 5 Liter	BG-143
Tru Sep Tris Hepes Running Buffer, 5 Liter	BG-163
SingleShot TGS (Tris Glycine SDS) Running Buffer (500 ml x 20 Beutel)	DB-201
SingleShot TG (Tris Glycine) Running / Blotting Buffer (500 ml x 20 Beutel)	DB-202
SingleShot TBS (Tris Buffered Saline) Blotting Buffer (500 ml x 20 Beutel)	DB-203
SingleShot PBS (Phosphate Buffered Saline) Blotting Buffer (500 ml x 20 Beutel)	DB-204
2 x Tru Sep SDS Sample Buffer (5 ml)	DB-301
6 x Tru Sep SDS Sample Buffer (5 ml)	DB-302
Nitrocellulose Membrane (0.45 uM, 8 x 12 CM) 25 pc/box	DB-810
Nitrocellulose Membrane (0.2 uM, 8 x 12 CM) 25 pc/box	DB-812
Nitrocellulose Membrane (0.2 uM, 7.9 x 10.5 CM) 15 pc/box	DB-813
Nitrocellulose Membrane (0.45 uM, 7.9 x 10.5 CM) 15 pc/box	DB-814
Nitrocellulose Membrane (0.45 uM, 7.9 x 10.5 CM) 5 pc/box	DB-815
Nitrocellulose Membrane (0.45 uM, 30 x 350 CM) 1 roll/box	DB-818
Nitrocellulose Membrane (0.2 uM, 8 x 8 CM) 15 pc/box	DB-824
Nitrocellulose Membrane (0.45 uM, 8 x 8 CM) 15 pc/box	DB-825

