

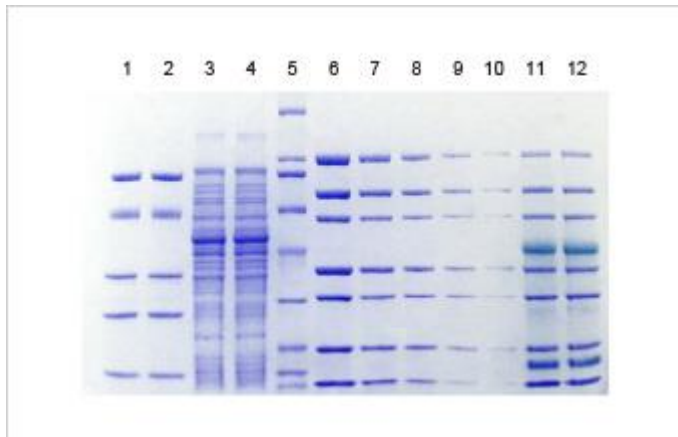
■ ExpressPlus™ PAGE Gels

Compatible with more gel tanks!

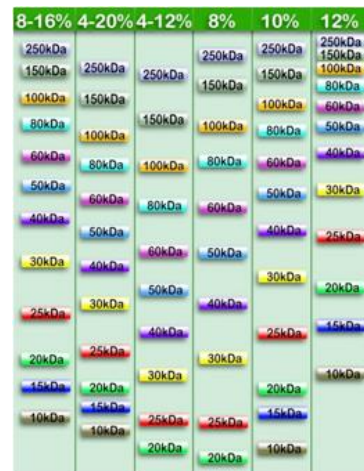
[Page cat. D.49\(En\)](#)

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- **Large Loading Volume:** Twice as large as the common gel on the market
- **Long Shelf Life** - Up to 12 months if stored at 2-8°C.
- **High Reproducibility:** Consistent performance from gel to gel.
- **High Resolution:** Proprietary gel casting technique, high-resolution separation.
- **Compatible Cassette Design:** Compatible with most mini-gel tanks, adapters are included for Invitrogen Novex® Mini-Cell tank.
- Complimentary products: buffers



ExpressPlus™ PAGE Gel, 10x8, 4-20%, 12 puits



Experience the GenScript ExpressPlus™ PAGE precast Gels that have been upgraded to be compatible with more gel tanks. You will get shorter running time, larger loading volume, higher transfer efficiency at affordable prices. The ExpressPlus™ PAGE Gels are cast in a weak acidic pH environment that minimizes the hydrolysis of polyacrylamide and results in extra gel stability and superior band resolution.

Ask at interbiotech@interchim.com!

ExpressPlus™ PAGE Gels packs of 20 gels [Price online](#)

ExpressPlus™ PAGE Gel 10x8cm	Cat.N°		
	10 wells	12 wells	15 wells
4-20%,	M42010	M42012	M42015
4-12%	M41210	M41212	M41215
8-16%	M81610	M81612	M81615
10%	M01010	M01012	M01115
8%	M00810	M00812	M00815
12%	M01210	M01212	M01215
ExpressPlus™ PAGE Gel 10x10cm	10 wells	12 wells	15 wells
12%	M01210L	M01212L	M01215L

• Accessory reagents	cat.number	qty
5X Sample Buffer	MB01015	5 ml
MOPS Running Buffer Powder	M00138	5/PK
Transfer Buffer Powder	M00139	10/PK

[Products HighLights Overview](#), i.e.:

[Geba gels](#): pre-cast gels & runner
[OMX](#) gel digestion for MS analysis

[Gel Staining](#): LavaPurple, CooBlue, ProSave
[Blotting membranes](#): Nytran Protran Westran

Information inquire

Reply by Fax : +33 (0) 4 70 03 82 60 or email at interbiotech@interchim.com

I would like to receive further information on: _____

Title : _____ First name: _____ Surname: _____ Position: _____

Company/Institute: _____ Service, Lab: _____

Adress: _____

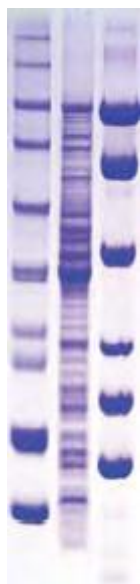
Postcode: _____ Town: _____

Tel _____ Fax _____ Email: _____

Detailed products presentations

Turbo NEXT GEL™

Run Large Format Gels in < 3 hours!



Turbo NEXT GEL™ is a ready-to-pour acrylamide solution formulated to provide superior band resolution and to reduce running time for 16 x 16 cm SDS-PAGE gels. The gel casting procedure is a simple one step process with no stacking gel needed. Turbo NEXT GEL™ is offered as a ready-to-pour 1X solution at concentrations of 7.5%, 10% or 12.5% acrylamide. Fast Run Time > Run a 16 x 16cm gel in 2.5 - 3 hours. Convenient > Ready-to-pour acrylamide blend solution with 20X NEXT GEL™ Running Buffer supplied as a powder.

Turbo NEXT GEL™, 7.5% Solution

Includes: NEXT GEL™ Running Buffer, 20X
Each 30 ml will prepare a 16cm x 16cm x 1.00 mm gel.
Separation Range: 20 kDa-300 kDa

M323, 100ML

M323, 500ML

Turbo NEXT GEL™, 10% Solution

Includes: NEXT GEL™ Running Buffer, 20X
Each 30 ml will prepare a 16cm x 16cm x 1.00 mm gel.
Separation Range: 10 kDa-200 kDa

M313, 100ML

M313, 500ML

Turbo NEXT GEL™, 12.5% Solution

Includes: NEXT GEL™ Running Buffer, 20X
Each 30 ml will prepare a 16 cm x 16 cm x 1.00 mm gel.
Separation Range: 3.5 kDa-100 kDa

M310, 100ML

M310, 500ML

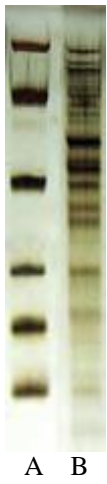
A B C

Fig.1: SDS-PAGE on Turbo NEXT GEL™. 16 x 16 cm x 1 mm 10% acrylamide gel run at 300 volts for 3 hours.
Lane A: GE Healthcare Rainbow™ Molecular Weight Markers.
Lane B: Total E. coli lysates (100 µg).
Lane C: Mid/Low Range Protein Molecular Weight Marker (J450).

Sprint NEXT GEL™

Running Mini-gels in < 30 Minutes!

Do an entire Western blot in one day - from gel casting through blot development.



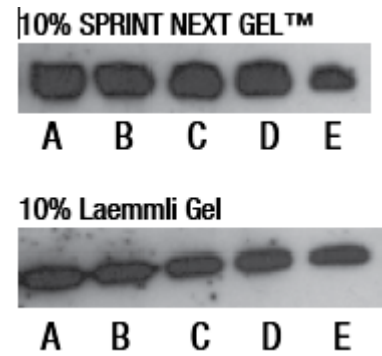
SPRINT NEXT GEL™ is a ready-to-pour acrylamide solution optimized to reduce running time on standard SDS-PAGE mini-gels. It is ideal for any situation that requires rapid analysis of protein samples by electrophoresis. Sprint NEXT GEL™ is available as a ready-to-pour 1X solution at acrylamide concentrations of 10% or 12.5%. Fast Casting Time > Cast and polymerize a 10 x 10 x 0.75 cm mini-gel in less than 15 minutes. Fast Run Time > Run your mini-gel in less than 30 minutes. Fast Western Blotting > Cast, run and transfer a gel plus develop a blot in one day.

Fig.1: Silver Stained SDS-PAGE on 10% Sprint Next Gel™. Gel was run at 300 V for 30 min.

Lane A: Mid/Low Range Protein MW Marker. Lane B: Total E. coli lysate, 50 µg.

Fig.2: Western Blot of Rat-1 fibroblast lysates - Courtesy of Dr. June Yun at Northeastern Ohio Universities College of Medicine (NEOUCOM). Identical lysates were run on 10% Sprint NEXT GEL™ or 10% Laemmli gels, transferred onto PVDF membranes and incubated with anti-GAPDH antibodies.

Lane A: 30 µg lysate. Lane B: 20 µg lysate. Lane C: 10 µg lysate. Lane D: 5 µg lysate. Lane E: 1 µg lysate. Total procedure was performed in a single day.



Fluorescent NEXT GEL™

In-gel Fluorescent Staining with immediate visualization

- Immediate band visualization
- No post-run staining or destaining
- Sensitivity matches Coomassie® Blue

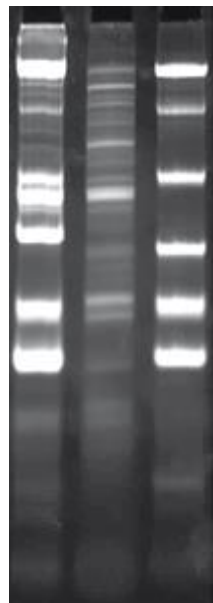
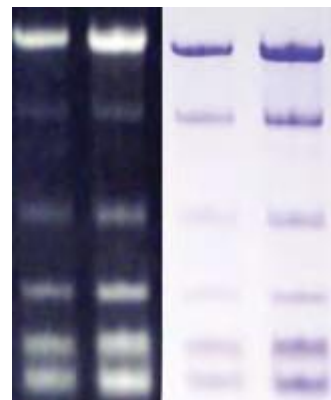


Fig. 2: Rapid visualization of protein bands on 12.5% Fluorescent Sprint NEXT GEL™. Gel was run at 300 V for 30 min., and bands visualized by exposure to UV light for 3 min. Lane A: Wide Range Protein MW Marker. Lane B: Total E. coli lysate. Lane C: Mid/Low Range Protein MW Marker.

Fluorescent NEXT GEL™ offers immediate band visualization without the need for post-run staining or destaining after SDS-PAGE. Based on the NEXT GEL™ system that provides ready-to-pour convenience at a fraction of the cost of pre-cast gels it reduces post-run visualization process to under 5 minutes and eliminates the use of hazardous, time-consuming staining procedures. The proprietary fluorescent dye in the Fluo-NEXT GEL™ binds to the sample proteins and co-migrates with them during electrophoresis. Bands are visualized immediately after the run by exposing the gel to UV irradiation on a conventional UV transilluminator. Within 3 minutes the bound dye becomes covalently cross-linked to the proteins and begins emitting an intense fluorescent signal. Resolved proteins appear as bright white bands against a dark background since unbound dye does not fluoresce.



Separation Range: 10 kDa-200 kDa

Fluorescent NEXT GEL™, 10% Solution

Includes: NEXTGEL™ Running Buffer, 20X; Each 10 ml will prepare a 10 cm x 10 cm x 0.75 mm mini-gel.

M290-100ML-KIT

M290-500ML-KIT

Fluorescent Sprint NEXT GEL™, 10% Solution

Includes: NEXTGEL™ Running Buffer, 20X; Each 7.5 ml will prepare a 10 cm x 10 cm x 0.75 mm mini-gel

M317-KIT-100ML

M317-KIT-500ML

Separation Range: 3.5 kDa-100 kDa

Fluorescent NEXT GEL™, 12.5% Solution

Includes: NEXTGEL™ Running Buffer, 20X;
Each 10 ml will prepare a 10 cm x 10 cm x 0.75 mm mini-gel.

M291-100ML-KIT

M291-500ML-KIT

Fluorescent Sprint NEXT GEL™, 12.5% Solution

Includes: NEXTGEL™ Running Buffer, 20X; Each 7.5 ml will prepare a 10 cm x 10 cm x 0.75 mm mini-gel

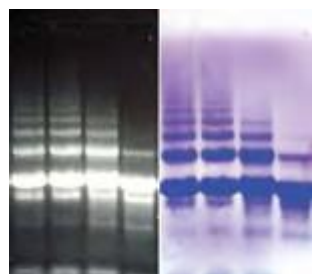
M318-KIT-100ML

M318-KIT-500ML

Fig. 1: Comparison of rapid fluorescent visualization with traditional Coomassie® staining. A 10% Fluorescent NEXT GEL™ was run using Mid/Low Protein Marker (450) and NEXT GEL™ Running Buffer. The gel was run at 175 volts for 1 hour. The protein bands were first visualized by exposure to UV light for 3-5 minutes (A). The same gel (B) was subsequently stained with 0.1% Coomassie® R-250 for 3 hours and destained according to standard methods. Fluorescent NEXT GEL™ offers comparable sensitivity to Coomassie® R-250 (100–200 ng/band) in a fraction of the time.

LP NEXT GEL™

In-gel Fluorescent Staining with immediate visualization



LP-NEXT GEL™ Kit provides a high-resolution agarose blend optimized for the separation of SDS-denatured proteins between 0.2 and 6.4 megadaltons. Besides agarose, the kit offers two running buffer options, the NEXT GEL™ running buffer as well as a running buffer containing a fluorescent dye for band visualization immediately following electrophoresis. The fluorescent stain is incorporated into the agarose gel and binds to the proteins during migration. Protein bands are visible within 3-5 minutes following exposure to UV light.

Fig. 1: Resolution of cross-linked myosin molecule on 1% Agarose HRP prepared with Fluorescent NEXT GEL™ Buffer. The gel was run at 100 volts for 1 hour. The protein bands were visualized by exposure to UV light for 3-5 minutes. The gel was then stained with 0.1% Coomassie® R-250 for 3 hours and destained according to standard procedures (Right). The LP-NEXT GEL™ Fluorescent procedure offers enormous time savings with sensitivity comparable to Coomassie® R-250.

Fluorescent NEXT GEL™

In-gel Fluorescent Staining with immediate visualization