

PRODUCT INFORMATION

Precast Polyacrylamide Mini-Gel

Product information for Precast Polyacrylamide Mini-Gel:

Introduction:

Using proprietary gel cassettes and processes to manufacture precast polyacrylamide mini-gels improving straightness of lanes and sharpness of bands. The seprecast gels are work-horses providing quality results for fast paced work.

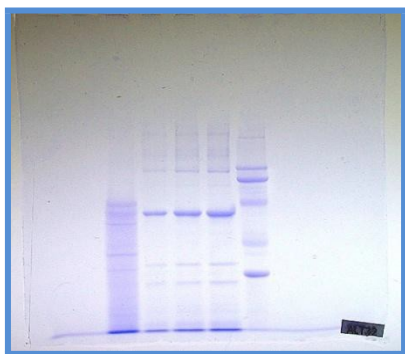
Product Features:

Cassettetechnology

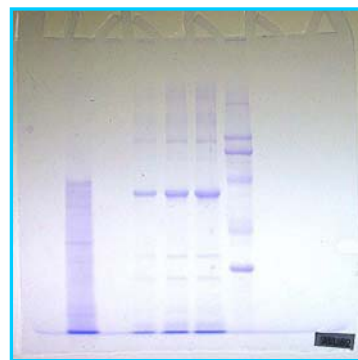
- Proprietary pop-open design
- Make 1.0mm thick gels
- Fit most electrophoresis boxes
- Choice of size - 10X10 or 8.2X10cm

Precast gel features

- Longest matrix size—gain in resolution
- Long-life gels— up to 12 months
- Colored matrix—easy loading
- ID number—easy tracking



Precast 8.2x 10 cm cassettes (short gels)
Comparable to Bio-Rad mini-gels.



Precast 10x 10 cm cassettes (long gels)
Comparable to Bio-Rad mini-gels
~20% longer gels

Easy to use pop-open cassette technology



Gel Specification Summary

Matrix	Acrylamide:bisacrylamide (37.5:1)	
Cassette sizes	10X10cm and 8.2X 10cm	
Gel separation distance	83mm (10X10cm) and 65mm (8.2X10cm)	
Gel thickness	1.0mm	
Comb configurations	10 and 15 wells*	
Volume	Up to 50µl (10 well) or 40 µl (15 well)	
Recommended voltage	150V Maximum voltage	300V
Storage at	+4°C; DO NOT FREEZE!!!	
Shelf-life	Up to one year, if stored as indicated	

* Additional options available as a custom feature

General running conditions

Precast gels for protein applications are made with proprietary gel chemistry, with the following unique properties:

- These gels are compatible with a wide range of running buffers. Researchers can choose any of the most commonly used running buffers such as Tris-Glycine+/-SDS, MOPS, HEPES, etc. However, please note the changes in run-times, in the following table, when using different buffers.
- These gels are made with modified Laemmli-based gel chemistry, optimized for easy handling during downstream applications. The gel matrix is **stronger** than normal polyacrylamide gels.



General running conditions for Precast gels for select protein running buffers at 200 volts

RunningBuffer	Runtime	
	Long Cassette(10X10cm),min	Short cassettes(10X8.2cm),
Laemmli, Tris-Glycine+/-SDS	90	60
Tris-Tricine-SDS	50	40
Tris-HEPES-SDS	50	40
MOPS-SDS	50	40

*Runtime for mini-gels can be less than 20 and 10minutes, respectively, using 2X buffer at higher voltage.

Precast Polyacrylamide Mini-Gel

Cat. Number	PROTEIN ELECTROPHORESIS FULL ITEM DESCRIPTION	Acrylamide (%)	Separation Range (kDa)	Unit Size	Storage	Shelf life (Mths)	Suggested stock
DG212	Precast 10x10 cm; 10 Wells; 10% with Tris buffer	10	30-200	10 per box	4°C	12	5
DG232	Precast 10x10 cm; 10 Wells; 12% with Tris buffer	12	20-200	10 per box	4°C	12	5
DG322	Precast 10x10 cm; 10 Wells; 4-12% with Tris buffer	4-12	30-400	10 per box	4°C	12	5
DG342	Precast 10x10 cm; 10 Wells; 4-20% with Tris buffer	4-20	5-300	10 per box	4°C	12	5
DG212s	Precast 10x8.2 cm; 10 Wells; 10% with Tris buffer	10	30-200	10 per box	4°C	12	5
DG232s	Precast 10x8.2 cm; 10 Wells; 12% with Tris buffer	12	20-200	10 per box	4°C	12	5
DG322s	Precast 10x8.2 cm; 10 Wells; 4-12% with Tris buffer	4-12	30-400	10 per box	4°C	12	5
DG342s	Precast 10x8.2 cm; 10 Wells; 4-20% with Tris buffer	4-20	5-300	10 per box	4°C	12	5

Technical Support Resources:

BBI DG precast polyacrylamide gel cassettes come in two formats to fit most mini-electrophoresis gels boxes that are currently available on the market today. Before ordering gels, check the chart below to see if your electrophoresis box has been shown to be suitable for DG precast polyacrylamide gels. If you do not find your particular gel box listed, please contact us for more information. Please see the following compatibility table.



Electrophoresis chamber	Cassette size (cm)	
	10 X 8.2	10 X 10
Amersham Biosciences, Mighty Small SE250	Yes	No
Amersham Biosciences, Mighty Small SE260	Yes	Yes
Amersham Biosciences, Mighty Small SE280	Yes	Yes
Amersham Biosciences, miniVE	No	Yes
Atto, AE-6530MW vertical electrophoretic cell	No	Yes
Bio-Rad Laboratories , Mini-PROTEAN II	Yes	No
Bio-Rad Laboratories, Mini-PROTEAN 3	Yes	No
Bio-Rad Ready Gel™ Cell	Yes	No
C.B.S. Scientific Company, MGv-102/202 Vertical Mini-gel System	No	Yes
Cleaver Scientific, VS10, Mini 10 x 10cm, PAGE Sub Vertical Electrophoresis	Yes	Yes
EC 120 mini vertical gel system	Yes	Yes
Fisher EC 120-2	Yes	Yes
Fisher Scientific, FB-VE10-1 FisherBiotech™ Vertical Electrophoresis System	No	Yes
Fisher Scientific, FB-VE121FisherBiotech™ Vertical Minigel Wedge System	No	Yes
IDGel	Yes	Yes
Invitrogen, XCell II™ Mini-Cell	Yes	Yes
Invitrogen, XCellSureLock™ Mini-Cell	Yes	Yes
ISS (one gel per run) X	No	Yes
Life Technologies/Biometra® Mini V	Yes	No
Owl Separation Systems, P82 Wolverine™ Vertical Electrophoresis System	No	Yes
Owl Separation Systems, P8DS Emperor Penguin™ Vertical Electrophoresis System	No	Yes
PAGErMinigel Chamber	Yes	Yes
Peglab – Biotechnologie GmbH, PerfectBlue Twin S for 10 x 10 gels	No	Yes
Scie-Plas Limited, V10-CDC Vertical Gel Electrophoresis Unit	No	Yes
Scie-Plas Limited, TV100-CDC twin-plate 10 x 10 cm (W x H) mini-gel unit	No	Yes
Sigma-Aldrich Mini Techware X	No	Yes
Thermo Electron Corporation, EC 120 Mini-Vertical Gel System	No	Yes
Zaxis System 2000 X	No	Yes
Other or not sure	inquire	