



PRODUCT INFORMATION

Even-Gradient PAGE, 10-250 kDa

Product information for DG2222/DG2222s:

Product:

Cat. Number	PROTEIN ELECTROPHORESIS FULL ITEM DESCRIPTION	Unit Size	Storage	Shelf life (Mths)	Suggested stock
DG2222	Even-Gradient PAGE, 10-250 kDa 10X10 cm 10 well (use it with SuperRun™)	10 per box	RT	12	2
DG2222s (short)	Even-Gradient PAGE, 10-250 kDa 10X8.2 cm 10 well (use it with SuperRun™)	10 per box	RT	12	2

Introduction:

Even-Gradient protein gels are optimized for use with SuperRun™ Electrophoresis buffer. It is possible to use Even-Gradient gels with most home-made electrophoresis buffers (see chart below for buffer recopies and running conditions).

Protocol:

1. Carefully remove the comb. It may be necessary to use water to facilitate comb removal.
2. Place the gel in the correct orientation in your specific electrophoresis chamber.
3. Fill the chamber with running buffer.
4. Immediately, before adding your samples, rinse each well using running buffer. Then carefully add your sample to a well.
5. Set the voltage and run for the chosen amount of time.

Buffer Recommendation:

Protein Size	Buffer Recommendation
1-30 kD	Tris Glycine ONLY
6-250 kD	SuperRun™ Running Buffer ONLY (DG3702)
10-250 kD	Any buffer of choice (SuperRun™ Tris Tricine, Tris Taurine, Tris MES, or Tris HEPES) EXCEPT Tris Glycine. Tris Glycine is NOT recommended

Standard Running buffers recipes:

10x SuperRun	10X ProSieve
Proprietary recipe	Proprietary recipe
Long Gels: 220 V for 40 min Short Gels: 220 V for 30 min	Long Gels: 150 V for 20 min Short Gels: 150 V for 15 min

10X Tris-Tricine-SDS	10X MOPS-SDS	10X HEPES-SDS
Tris-base 60 g Tricine 89.6 g SDS 10 g final vol = 1 litre	MOPS 104.6 g Bis_tris 60.6 g SDS 10 g EDTA 3 g final vol = 1 litre	Tris-base 121 g HEPES 238 g SDS 10 g final vol = 1 litre
Long Gels: 150 V for 45 min Short Gels: 150 V for 35 min	Long Gels: 150 V for 45 min Short Gels: 150 V for 35 min	Long Gels: 150 V for 45 min Short Gels: 150 V for 35 min

Note:

1. Using short precast gel cassettes (10 x 8.2 cm) in the Invitrogen XCell SureLock™ requires adaptor plates.
2. Bio-Rad Mini-Protean® II and Bio-Rad Mini-Protean® 3 Users:

To use **DGel Short Cassette Gels** in Bio-Rad Mini-Protean® II and 3 chambers we recommend to carefully remove the gasket from the inner frame, turn the gasket around so that the **flat side is facing outwards** and insert into the inner frame.



Shipping and Storage Conditions:

This product is shipped in room temperature.

This product is to be stored in room temperature up to 1 year from date of manufacture or 4°C for prolonged shelf life.

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	