

Invitrogen™

NuPAGE™ 12% Bis-Tris Protein Gels, 1.0 mm, 2D-well

Catalog number: NP0346BOX

Related applications: [Protein Gel Electrophoresis](#)

Description

Invitrogen NuPAGE Bis-Tris protein gels are precast polyacrylamide gels designed to give optimal separation of a wide range of proteins under denaturing conditions. Unlike traditional Tris-glycine gels, NuPAGE Bis-Tris gels have a neutral pH environment that minimizes protein modifications. Use NuPAGE Bis-Tris gels for preparing proteins for sequencing, mass spectrometry, and any other techniques where protein integrity is crucial. Also, use NuPAGE gels for optimal results during day-to-day use.

Features of NuPAGE Bis-Tris gels:

- Better protein integrity—optimized sample preparation process preserves your proteins
- Wide ranges of molecular weight separation—select the right gel and running buffer to get the optimal separation of your proteins
- Faster run times—get separation of your proteins in as little as 35 minutes
- Longer shelf life—NuPAGE Bis-Tris gels can be stored for at least 12 months at room temperature

[Learn more about all of our NuPAGE Bis-Tris gels >](#)

[View migration charts ›](#)

Choose the right NuPAGE Bis-Tris gel for your protein separation

Obtain optimal separation of your proteins by choosing the right combination of gel and running buffer. NuPAGE Bis-Tris protein gels come in four polyacrylamide concentrations: 8%, 10%, 12%, and a 4–12% gradient. Gels come in two sizes: mini (8 cm x 8 cm) or midi (8.7 cm x 13.3 cm) and either 1.0 mm (mini and midi gels) or 1.5 mm (mini gel format only) in thickness. NuPAGE Bis-Tris gels also come in multiple well formats.

NuPAGE Bis-Tris gels are formulated for denaturing gel electrophoresis applications. For optimal sample preparation, use the [NuPAGE LDS Sample Buffer](#) and [NuPAGE Sample Reducing Agent](#). Use [NuPAGE Antioxidant](#) in the running buffer to maintain the reduced state of the proteins during the run and to allow maximum band sharpness. The gels can be run using [NuPAGE MES SDS Running Buffer](#) to better resolve small proteins or [NuPAGE MOPS SDS Running Buffer](#) to resolve medium- to large-size proteins.

We also provide [NuPAGE Tris-Acetate gels](#) for separating larger proteins. For classic Laemmli-based Tris-glycine electrophoresis, we provide [Novex Tris-Glycine gels](#).

For transfer of proteins to a membrane, we recommend using [NuPAGE Transfer Buffer](#). Rapid semi-dry transfer can be done using the [Pierce Power Blotter](#) or rapid dry transfer using the [iBlot 2 Gel Transfer Device](#). Alternatively, traditional wet transfer can be performed using the [XCell II Blot Module](#) or the [Mini Blot Module](#).

Related links[Overview of 1D Protein Electrophoresis](#)[Comparison of NuPAGE Tris-Bis vs. traditional Tris-glycine gels](#)

For Research Use Only. Not for use in diagnostic procedures.

Specifications

For Use With (Equipment):	XCell SureLock® Mini, ZOOM® IPGRunner™ Mini
Gel Percentage:	12 %
Gel Size:	Mini (8 cm x 8 cm)
Gel Type:	Bis-Tris Gel
Mode of Separation:	Molecular Weight
Product Line:	Novex™, NuPAGE®
Product Size:	10 gels (1 box)
Quantity:	10 gels
Separation Range:	10 kDa to 80 kDa (MOPS Buffer), 3.5 kDa to 40 kDa (MES Buffer)

System:	ZOOM®
Thickness:	1.0 mm
Well Format:	2D Well
Wells:	2D well
Shipping Condition:	Room Temperature

Contents & storage

One box contains 10 gels. Store at 4–25°C. Do not freeze. Shelf life is 12 months.