

Invitrogen™

# NuPAGE™ 4-12% Bis-Tris ZOOM™ Protein Gels, 1.0 mm, IPG-well



**Catalog number:** NP0330BOX

**Related applications:** [Protein Gel Electrophoresis](#)

## Description

NuPAGE® Novex® Bis-Tris Gels provide the best separation and resolution of small- to medium-sized proteins by using a neutral pH environment which minimizes protein modifications. These high-performance gels have a one-year shelf life when stored at 4–25°C, eliminating the waste of throwing out expired gels.

### Using NuPAGE® Novex® Bis-Tris Gels

Use NuPAGE® Novex® Bis-Tris Gels for protein sequencing, mass spectrometry, and any other techniques where protein integrity is crucial. The NuPAGE® System also provides the most efficient means for transferring proteins to membranes for subsequent analysis. Novex® ZOOM® Gels are used for two-dimensional (2D) analysis of proteins following isoelectric focusing (IEF) of 7.0 cm IPG strips. ZOOM® Gels contain an IPG well and a molecular weight marker well. The IPG well is designed to accommodate a 7.0 cm IPG strip.

### Formulation

The NuPAGE® System is based upon a Bis-Tris-HCl buffered (pH 6.4) polyacrylamide gel, with a separating gel that operates at pH 7.0. While NuPAGE® Novex® Bis-Tris Gels do not contain SDS, they are formulated for denaturing gel electrophoresis applications only.

### Recommended buffers

NuPAGE® Novex® Bis-Tris Gels are available in three acrylamide concentrations: 10%, 4-12%, and 12%. By combining any of these three gel types with the NuPAGE® MES or MOPS buffers, six separation ranges can be obtained. The NuPAGE® MES Buffer is recommended for resolving small proteins, and NuPAGE® MOPS Buffer is recommended for resolving medium- to large-size proteins. Use of NuPAGE® LDS Sample Buffer and NuPAGE® Sample Reducing Agent will ensure complete sample reduction. For transfer, NuPAGE® Transfer Buffer is recommended.

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

## Specifications

For Use With (Equipment):	XCell SureLock® Mini, ZOOM® IPGRunner™ Mini
Gel Percentage:	4-12 %
Gel Size:	Mini (8 cm x 8 cm)
Gel Type:	Bis-Tris Gel
Mode of Separation:	Molecular Weight
Product Line:	Novex™, NuPAGE®, ZOOM®
Product Size:	10 gels (1 box)
Quantity:	10 gels
Sample Loading Volume:	7 cm strips
Separation Range:	15 kDa to 260 kDa (MOPS Buffer), 3.5 kDa to 160 kDa (MES Buffer)

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

## Contents & storage

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