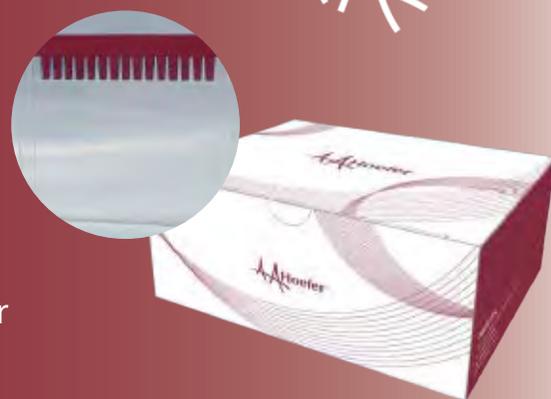


# Mighty Small precast gels

Hoefer Mighty Small precast gels are high-performance mini polyacrylamide gels commonly used for protein separation.

Utilizing the Bis-Tris buffer system, they effectively minimize protein modifications during electrophoresis, resulting in sharper and clearer protein bands with higher resolution.



## High Loading Capacity

Maximum sample volume is 50  $\mu$ l



## High Resolution

Upgraded Bis-Tris system for clearer, sharper separation bands and higher resolution



## Ready to use and easy to store

No solution preparation or gel casting is required, saving time. Store at 2-8°C



## Good Repeatability

Fully automated gel casting process, minimal batch-to-batch variation, high stability, and good repeatability



## Highly Effective

Maximum 40 min for electrophoresis



## Safe and non-toxic

No hazardous reagents need to be handled

## ◆ Specifications

**Plate Size:** 10 × 8 cm

**Wells:** 12-well, 15-well

**Concentration:**

- Gradient gels: 4-12%, 4-20%
- Homogenous gels: 8%, 10%, 12%

**Gel Size:** 8.5 × 7 cm, 1mm thickness

**System/Buffer:** Bis-Tris System, MOPS Buffer

**Loading Volume:**

- For 12 wells: max 50  $\mu$ l (recommended:  $\leq$  25  $\mu$ l)
- For 15 wells: max 30  $\mu$ l (recommended:  $\leq$  15  $\mu$ l)

## ◆ Compatible electrophoresis tanks

- **Hoefer:** SE260 Mighty Small™ Vertical Unit/miniVE™ Integrated Vertical and Blotting Unit
- **Bio-Rad:** Mini-PROTEAN Tetra Cell
- **Thermo:** Mini Gel Tank
- **Mini vertical electrophoresis tanks of other brands**

## ◆ Protein Migration Guide

4-12% MOPS	4-20% MOPS	8% MOPS	10% MOPS	12% MOPS
270 Kd	270 Kd	270 Kd	185 Kd	185 Kd
185 Kd	185 Kd	185 Kd	140 Kd	140 Kd
140 Kd	140 Kd	140 Kd	115 Kd	115 Kd
115 Kd	115 Kd	115 Kd	80 Kd	80 Kd
80 Kd	80 Kd	115 Kd	65 Kd	65 Kd
65 Kd	65 Kd	80 Kd	50 Kd	50 Kd
50 Kd	50 Kd	65 Kd	40 Kd	40 Kd
40 Kd	40 Kd	50 Kd	30 Kd	30 Kd
30 Kd	30 Kd	40 Kd	25 Kd	25 Kd
25 Kd	15 Kd	30 Kd	15 Kd	15 Kd
15 Kd	10 Kd	25 Kd	15 Kd	10 Kd

## ◆ Hoefer Gels vs. Other Gels

Compared to other popular gels in the market, Hoefer precast gels demonstrate a broader separation range (10-270 kDa), higher resolution, and more accurate molecular weight banding.

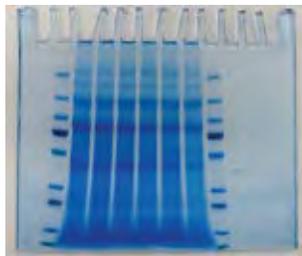


Fig 1. Hoefer, 4-20% Bis-Tris

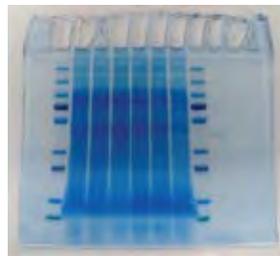


Fig 2. Brand X, 4-20% Bis-Tris

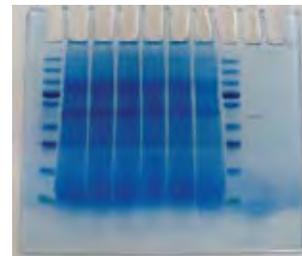


Fig 3. Brand Y, 4-20% Tris-Gly

Cat#	Description	Qty
MSG010T	Mighty Small precast gels, 10% Bis-Tris, 12 wells	10 pcs/box
MSG012T	Mighty Small precast gels, 12% Bis-Tris, 12 wells	10 pcs/box
MSG412T	Mighty Small precast gels, 4-12% Bis-Tris, 12 wells	10 pcs/box
MSG420T	Mighty Small precast gels, 4-20% Bis-Tris, 12 wells	10 pcs/box
MSG010F	Mighty Small precast gels, 10% Bis-Tris, 15 wells	10 pcs/box
MSG012F	Mighty Small precast gels, 12% Bis-Tris, 15 wells	10 pcs/box
MSG412F	Mighty Small precast gels, 4-12% Bis-Tris, 15 wells	10 pcs/box
MSG420F	Mighty Small precast gels, 4-20% Bis-Tris, 15 wells	10 pcs/box
MSGB10	MOPS-SDS Running Buffer	1 L*10 pcs/box