

AcuteBand Pre-Stained Protein Ladder

User Guide

The AcuteBand Pre-Stained Protein Ladder is a three-color protein standard with 10 pre-stained proteins covering a wide range of molecular weights, from 6.5 to 270 kDa. Designed for monitoring protein separation during PAGE and providing clear electro-transfer to commonly used membranes, this ladder provides the gold-standard in image visualisation.

Storage Conditions:

25° for up to 2 weeks
4°C for up to 3 months
-20°C for long term storage

Avoid repeated freezing and thawing.

Do not apply heat or reducing agent. The AcuteBand Pre-Stained Protein Ladder is provided ready for use.

For Research Use Only.

Storage Buffer:

62.5 mM Tris-H₃PO₄ (pH 7.5 at 25 °C), 1 mM EDTA, 2% SDS, 10 mM DTT, 1 mM NaN₃, 33% glycerol.

Quality Control:

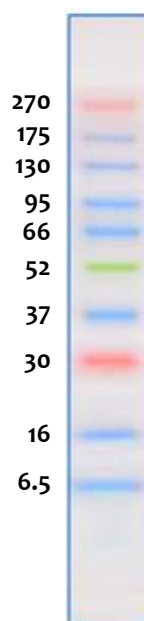
Under suggested conditions, AcuteBand Pre-Stained Protein Ladder resolves 10 major bands in 4-12% Bis-Tris Gel (MES buffer) and after Western blotting to the nitrocellulose membrane.

High-intensity, 3-colour MW determination:

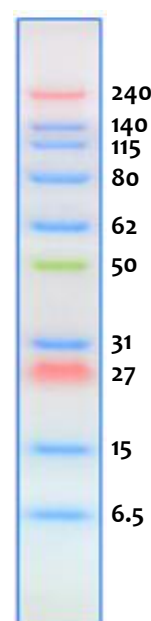
MW – Orange Green Orange	Buffer Conditions
270 kDa, 52 kDa, 30 kDa	Tris Glycine 4-20%
240 kDa, 50 kDa, 27 kDa	Bis-Tris 4-12% MES

- Ultra-clear and expanded MW range (6.5-270kD)
- Clear separation for high MW proteins
- 100% electroblot transfer efficiency

Tris-Glycine
4-20%



Bis-Tris 4-12%
MES buffer



AcuteBand Pre-Stained Protein Ladder Standard Protocol

Protocol:

1. Thaw ladder at room temperature
2. Vortex to ensure a homogenous solution
3. Load the ladder on the gel (Refer to recommended volumes below for clear visualization)

Gel Type	Application	
	Electrophoresis	Western Transfer
15-well mini-gel	3 µl per well	2.5 µl per well
10-well mini-gel	5 µl per well	2.5 µl per well

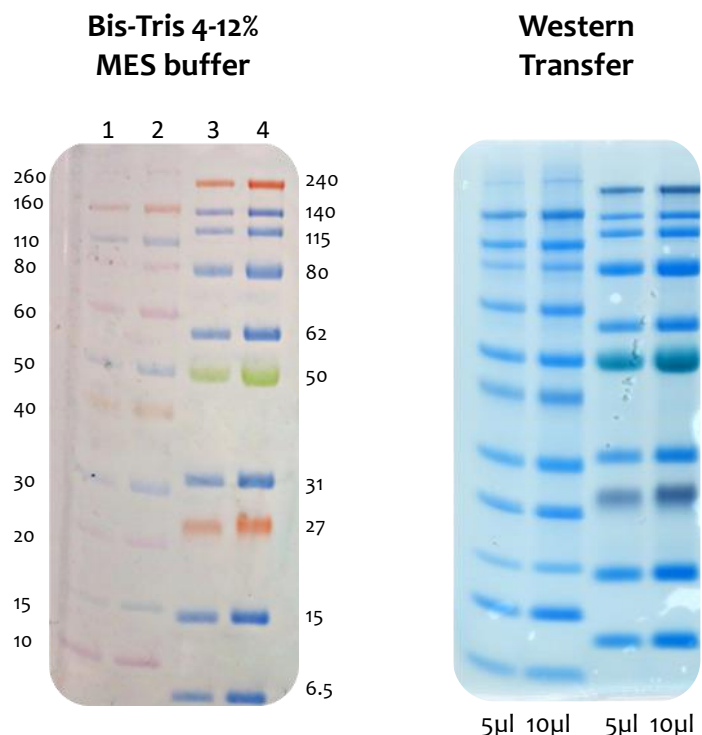
AcuteBand Pre-Stained Protein Ladder vs. Novex Sharp Pre-stained Protein Standard

Protocol:

Gel buffer: 4-12% Bis-Tris MES SDS

Western transfer: Stained with Coomassie

- Lane 1: Novex Sharp 5µl
- Lane 2: Novex Sharp 10µl
- Lane 3: AcuteBand Protein Ladder 5µl
- Lane 4: AcuteBand Protein Ladder 10µl



Ordering Information

Item	Size	Cat-No.
0.5 ml AcuteBand Pre-Stained Protein Ladder (2 x 0.25 ml)	2 x 0.25ml	LU5001-0500
2.5 ml AcuteBand Pre-Stained Protein Ladder (10 x 0.25 ml)	10 x 0.25ml	LU5001-2500