



SMOBio
Small Bio, Smart Tool

Product Information

ExcelBand™ series

**Pink Blue Protein Marker,
(7-175 kDa)**

PM2400

Size: 250 μ l \times 2
5 μ l per well for 100 applications

Storage

4°C for 3 months
-20°C for 24 months

Loading Volume

- **3 μ l** or **5 μ l** per loading for clear visualization during electrophoresis on a 15-well or 10-well mini-gel.
- **1.5~2.5 μ l** per well for general Western blotting transfer.
- Apply more for a thicker (> 1.5 mm) or larger gel.

Description

The PM2400 ExcelBand™ Pink Blue Protein Marker is a two-color protein standard with 11 pre-stained proteins covering a wide range of molecular weights from 10 to 175 kDa in Tris-Glycine buffer (10 to 165 kDa in Bis-Tris (MOPS) buffer and 7 to 165 kDa in Bis-Tris (MES) buffer). Proteins are covalently coupled with a pink chromophore except for three reference bands of blue color (at 10, 40, and 90 kDa, respectively) when separated on SDS-PAGE (Tris-Glycine buffer).

The PM2400 ExcelBand™ Pink Blue Protein Marker is designed for monitoring protein separation during SDS-polyacrylamide gel electrophoresis, verification of Western transfer efficiency on membranes (nitrocellulose, PVDF, or nylon) and for approximating the size of proteins.

The marker is supplied in gel loading buffer and is ready to use. **Do NOT heat, dilute, or add reducing agents before loading.**

Contents

Approximately 0.2~0.4 mg/ml of each protein in the buffer (20 mM Tris-phosphate, pH 7.5 at 25°C), 2% SDS, 1 mM Dithiothreitol, 4.8 M urea, and 12% (v/v) Glycerol).

Guide for Molecular Weight Estimation

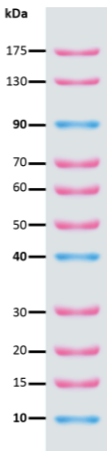
Migration patterns and approximate MWs (kDa) of PM2400 ExcelBand™ Pink Blue Protein Marker in different electrophoresis conditions are listed below:

Band	Color	TRIS-GLYCINE	BIS-TRIS (MOPS)	BIS-TRIS (MES)	
1	Ruby	175	165	165	
2	Ruby	130	120	125	
3	Blue	90	80	82	
4	Ruby	70	61	62	
5	Ruby	60	52	55	
6	Ruby	50	42	45	
7	Blue	40	32	34	
8	Ruby	30	24	26	
9	Ruby	20	17	16	
10	Ruby	15	13	12	
11	Blue	10	10	7	



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Note. The apparent molecular weight (kDa) of each protein has been determined by calibration against an unstained protein standard; supplemental data should be considered for more accurate adjustments in different electrophoresis conditions.

Quality Control

Under suggested conditions, PM2400 ExcelBand™ Pink Blue Protein Marker resolves 11 major bands in SDS-PAGE (Tris-Glycine, MOPS, and MES buffer) and after Western blotting transfer to a nitrocellulose membrane.

Other information

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Caution: Not intended for human or animal diagnostic or therapeutic uses.