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Product Information

DP Ladder240-3C Protein Marker

Borad Range(3.5-245 kDa)

Size: 250 μ l \times 2

5 μ l per well for 100 applications

Storage

4°C \geq 3 months

-20°C \geq 24 months

Loading Volume

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



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Description

The DP Ladder240-3C is a protein Marker with 13 prestained proteins covering a wide range of molecular weights from 5 to 240 kDa in Tris-Glycine buffer (3.5 to 235 kDa in Bis-Tris (MOPS) buffer and Bis-Tris (MES) buffer). Proteins are covalently coupled with different chromophore, or easy

identification of bands, with two reference proteins carrying enhanced intensity corresponding to a **green** at 25 kDa and **red** at 75 kDa, respectively, as separated on SDS-PAGE (Tris-Glycine buffer).

The DP Ladder240-3C is designed for monitoring protein separation during SDS-polyacrylamide gel electrophoresis, verification of Western transfer efficiency on membranes (PVDF, nylon, or nitrocellulose) 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 agent before loading.**



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Contents

Approximately 0.1~0.4 mg/ml of each protein in the buffer (20 mM Tris-phosphate, pH 7.5, 2% SDS, 0.2 mM Dithiothreitol, 3.6 M Urea, and 15% (v/v) Glycerol).

Guide for Molecular Weight Estimation (kDa)

Migration patterns of DPL240-3C Protein Marker in different electrophoresis conditions are

listed below:

Color	TRIS-GLYCINE	BIS-TRIS (MOPS)	BIS-TRIS (MES)	
Blue	245	235	235	
Blue	180	170	170	
Blue	140	130	130	
Blue	100	93	93	
Red	75	70	72	
Blue	60	53	53	
Blue	45	41	42	
Blue	35	30	30	
Green	25	22	23	
Blue	20	18	18	
Blue	15	14	14	
Blue	10	9	10	
Blue	~5	3.5	3.5	

4-12% BIS-TRIS gel MES buffer



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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 adjustment in different electrophoresis conditions.



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Quality Control

Under suggested conditions, DPL240-3C Protein Marker resolves 13 major bands in SDS-PAGE (Bis-Tris gel, MES buffer) and after Western blotting to nitrocellulose membrane..