

# EZ-Perfect Marker

3-Color Broad Range Protein Marker

Cat. No. DG-PMP245

FOR RESEARCH USE ONLY.

NOT FOR USE IN DIAGNOSTIC PROCEDURES.

## ▪ Product Description

The DG-PMP245, 3-Color Broad Range Protein Marker is a ready to use three-color protein standard with 13 pre-stained proteins covering a wide range of molecular weights from 5 to 245 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 a Blue chromophores except for two reference bands ( One **GREEN** and one **RED** band at **25 KDa** and **75 KDa**, respectively ) when separated on SDS-PAGE ( Tris-Glycine buffer ). The DG-PMP245, 3-Color Broad Range Protein is designed for monitoring protein separation during SDS-poly-acrylamide gel electrophoresis, verification of western transfer efficiency on membranes ( PVDF, nylon, or nitrocellulose ) and for approximating the size of proteins.

## ▪ Contents

Catalog No.	Product	Qty.
DG-PMP245	3-Color Broad Range Protein Marker, 5-245 kDa	250 $\mu$ l x 2

\* Approximately 0.1~0.5 mg/ml of each protein in the storage buffer

\* Storage buffer: 20mM Tris-phosphate (pH7.5), 2% SDS, 0.2mM DTT, 3.6M urea and 15%(v/v) glycerol

## ▪ Storage Condition

Store at -20°C for 24 months or 4°C for 3 months.

## ▪ Recommended loading volume

Mini-gel : 3-5 $\mu$ l per well ( 0.75 or 1.0mm thick )

Large-gel : 10-15 $\mu$ l per well ( 0.75 or 1.0mm thick )

## ▪ Caution

I . Do not boil the marker mix.

II. Repeated freezing-thawing and re-use of pipette tip may degrade proteins rapidly.

## ▪ Guide for Molecular Weight Estimation (kDa)

Migration patterns of DG-PMP245, 3-Color Broad Range Protein Marker in different electrophoresis conditions are listed below:

 15% Tris-Glycine	Band	Color	Tris-Glycine	Bis-Tris (MOPS)	Bis-Tris (MES)
	1	Blue	245	235	235
	2	Blue	180	170	170
	3	Blue	140	130	130
	4	Blue	100	93	93
	5	Red	75	70	72
	6	Blue	60	53	53
	7	Blue	45	41	42
	8	Blue	35	30	30
	9	Green	25	22	23
	10	Blue	20	18	18
	11	Blue	15	14	14
	12	Blue	10	9	10
	13	Blue	~5	3.5	3.5

## ▪ Related Product

I . Other Protein marker

Catalog No.	Product	Qty.
DG-PMC245	3-Color Regular Range Protein Marker, 10-245kDa	250 $\mu$ l x 2
DG-PMP245	3-Color Broad Range Protein Marker PLUS, 5-245kDa	250 $\mu$ l x 2

## ■ Related Product

### II. EZ-Western series : Western blot detection kit (ECL solution) and others

Product	Catalog No.	size
EZ-Western ( Nano~mid picogram )	DG-W100	100 mL (A: 50 mL + B: 50 mL)
	DG-W250	250 mL (A: 125 mL + B: 125 mL)
	DG-W500	500 mL (A: 125 mL X 2 + B: 125 mL X 2)
EZ-Western Lumi Pico ( Low picogram )	DG-WP100	100 mL (A: 50 mL + B: 50 mL)
	DG-WP250	250 mL (A: 125 mL + B: 125 mL)
	DG-WP500	500 mL (A: 125 mL X 2 + B: 125 mL X 2)
EZ-Western Lumi Pico Alpha ( Low picogram )	DG-WPAL120	120 mL (A: 60 mL + B: 60 mL)
	DG-WPAL250	200 mL (A: 125 mL + B: 125 mL)
EZ-Western Lumi La ( Mid femtogram, Long duration )	DG-WD100	100 mL (A: 50 mL + B: 50 mL)
	DG-WD200	200 mL (A: 100 mL + B: 100 mL)
EZ-Western Lumi Femto ( Low femtogram )	DG-WF100	100 mL (A: 50 mL + B: 50 mL)
	DG-WF200	200 mL (A: 100 mL + B: 100 mL)
EZ-Western Membrane Tray	DG-WMT8	1 set (8 EA, 10 X 6 X 2 cm)
EZ-Western Stripping Buffer	DG-WSB500	500 mL
EZ-BCA Protein Quantification Kit	DG-BCA500	Reagent A : 500 mL Reagent B : 25 mL Standard Sol. : 1 mL X 10
EZ-Bradford Assay Dye Reagent	DG-BRA500	Reagent : 500 mL Standard Sol. : 1 mL X 10
EZ-Gel staining solution ( without de-staining )	DG-GS1000	1000 mL