

For research use only ISO9001

# **Smart Color Protein Marker (Pre-stained)**

Product	Volume	Cat. No.	Remarks
Smart Color Protein Marker (Pre-stained)	250 μl	EBM-2000	Blue, orange, green bands during electrophoresis

#### Description

Smart Color Protein Marker is a pre-stained marker for a SDS-PAGE analysis. Well-defined 10 recombinant proteins are included and supplied in a ready-to-use formula (no need to boil before use). It is suitable for sizing proteins between 9,000 and 170,000 Da by SDS-PAGE.

Chromophores are covalently linked to proteins in pre-stained marker, and 10 pre-stained proteins are visible during electrophoresis or electrophoretic transfer from the gel to a membrane. The 75 kDa protein labeled with orange color plays a ruler function for easy identification of banding.

Because coupling of chromophores to the proteins in pre-stained marker affects their apparent molecular weights in SDS-PAGE relative to un-stained proteins, un-stained protein markers should be used for accuracy >95%.

## Recommended loading volume

- 5 µl/lane for a mini-gel (10x8 cm<sup>2</sup>, 0.75 mm or 1 mm thick)
- 10-15 μl/lane for a large-gel (30x20 cm<sup>2</sup>, 1 mm or 1.5 mm thick)
- 2-5 μl/lane for a western transfer onto PVDF or NC membranes

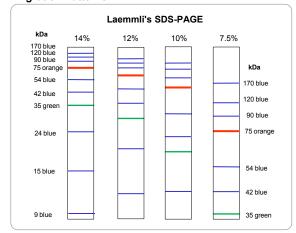
## Recommended storage condition

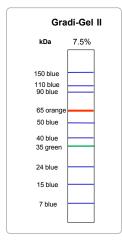
- Store at -20°C for one year
- Please aliquot in a small volume for prevention of repeated freezing & thawing

#### Cautions

- Repeated freezing & thawing, long-term storage and re-use of pipette tip may degrade proteins
- The marker is provided as a ready to load format, meaning that there is no need to boil before use. But precipitation of SDS may occur by long-term storage at below 4°C, and you can load marker just after dissolving the precipitant by raising to 50-80°C for a few minutes.
- The slight size difference can be seen in the course of manufacturing. Please confirm the batch numbers.

# **Migration Patterns**





Batch Number: 111001EBM2000

#### QC DATA

