

## Elite™ Tri-color Protein Ladder

Catalog No. PM-T101

### DESCRIPTION

The Elite™ Tri-color Protein Ladder is three-color protein standard with a mixture of 12 pre-stained (blue-, red- and green-) proteins (11, 17, 20, 25, 35, 48, 63, 75, 100, 135, 180, and 245 kDa) for use as size standards in protein electrophoresis (SDS-PAGE) and Western blotting.

The Elite™ Tri-color Protein Ladder 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 ladder contains one red band at 75 kDa and one green band at 25 kDa. The ladder is supplied in reducing gel loading buffer and ready to use.

### CONTENTS

0.25 ml dye-stained proteins in 20 mM Tris-H<sub>3</sub>PO<sub>4</sub> (pH 7.5 at 25°C), 2% SDS, 1mM β-Mercaptoethanol, 3.6 M Urea, and 15% glycerol.

### LOADING GUIDE

- 2-3 µl per loading for 17 or 15 well mini-PAGE gels; 4-5 µl for 12 or 10 well mini-PAGE gels.
- 1.5-2.5 µl for general Western blot transfer.

### APPLICATION

- Monitoring protein migration during SDS-polyacrylamide gel electrophoresis
- Monitoring protein transfer onto membranes after Western blotting
- Sizing of proteins on SDS-polyacrylamide gels and Western blots

### STORAGE

-20 °C for long-term storage. Stable for 2 weeks at room temperature and 3 months at 4 °C.

