

	<b>Technical data sheet</b>	Ref : SMGBM-5MZC Page : 1/1 Version date : 04/06/19
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## SMG MIXED PROTEIN MARKERS

A ready-to-use three-color protein standard with 10 pre-stained proteins covering a wide range of molecular weights from 6.5 to 270 kDa. Proteins are covalently coupled with a blue chromophore except for three reference bands (two orange bands at 30 kDa and 270 kDa and one green band at 52 kDa) when separated on SDS-PAGE (Tris-glycine buffer). The MIXED Protein Ladder is designed for observing protein separation during SDS- polyacrylamide gel electrophoresis and verifying Western transfer efficiency on membranes (PVDF, nylon, or nitrocellulose) and for approximating the size of proteins. The ladder is supplied in the gel loading buffer. Available in a pack of 5 with 500µl in each tube.

**CAT No.:** SMGBM-5MZC

**Size Range:** 6.5-270 kDa

**Volume:** 500µl each tube

**Application:** SDS-Polyacrylamide Gel Electrophoresis (SDS-PAGE)

**Features:**

- Solutions are prepared to be ready to load
- Visible during run time
- Bands have precisely defined sizes
- 25 and 72 kDa have brighter intensity for aiding in identification

**Content:** Storage Buffer

- 62.5 mM Tris-H<sub>3</sub>PO<sub>4</sub> (pH 7.5 at 25 °C), 1 mM EDTA, 2% SDS, 10 mM DTT, 1 mM NaN<sub>3</sub>, 33% glycerol

**Storage:**

- Store at 25°C for up to 2 weeks
- Store at 4°C for up to 3 months
- Store at -20°C for long term storage

**Quality Control:**

- Under suggested conditions, MIXED Protein Ladder resolves 10 major bands in 4-12% Bis-Tris Gel (MES buffer) and after Western blotting to the nitrocellulose membrane.