

GRS Protein Marker MultiColour Plus

#GLP03.0500 (500 µl) | GLP03s (trial size)

(FOR RESEARCH ONLY)



Product: Ready-to-use three-colour protein standard suitable for monitoring protein separation during SDS-PAGE, size determination of proteins, and verification of transfer efficiency of Western Blotting onto membrane (compatible with PVDF, nylon and nitrocellulose). This marker is composed of 10 pre-stained proteins ranging from 6,5kDa to 270kDa. For easy identification of each band, it includes three reference bands of different colours that co-migrate with proteins of 30kDa (red), 52kDa (green) and 270kDa (red), respectively, when separated by 4-20% gradient SDS-PAGE using TGS Buffer.

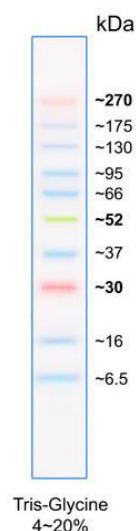
Applications: Protein Electrophoresis (PAGE), Western Blotting

Quantity: #GLP03.0500 contains 500µl of approx. 0.1~0.4 mg/ml of each protein in 20mM Tris-phosphate, pH 7.5 (25°C), 2% SDS, 1mM Dithiothreitol, 3.6M Urea, and 15% (v/v) Glycerol, sufficient for 100-300 lanes.
#GLP03s is a trial sample (25µl) of GRS Protein Marker MultiColour Plus, sufficient for 5-15 lanes.

Appearance: Dark blue liquid

QC: Functionally tested by SDS-PAGE followed by Western Blotting onto nitrocellulose membrane.

Storage: Store at room temperature for up to 2 weeks, at 4°C for up to 3 months or at -20°C for up to 2 years.



Usage:

Load 3 μ l - 5 μ l/well for clear visualization during electrophoresis on mini-gels (100-150 lanes). Apply more for thicker (>1.5mm spacers) or larger gels.

For general Western Blotting, Load 1.5 μ l – 2.5 μ l/well (200-300 lanes).

Note:

The **apparent molecular weight** of pre-stained proteins depends on the electrophoretic conditions and has been determined for SDS-PAGE using Tris-Glycine (4-20% gradient) and Bis-Tris 4-12% MES Buffer by calibration against an unstained protein marker.

