

Sigma marker for SDS PAGE, high range

Application

SigmaMarkers are designed for use with Laemmli SDS-PAGE, the PhastSystem (Pharmacia) and Schagger and von Jagow SDS-PAGE (Tricine). SigmaMarkers cover the range of molecular weights common to most proteins or their subunits. The wide, high and low range markers are lyophilized with sample buffer so that they are ready-to-use after reconstitution with deionized water. The markers are formulated to yield a distribution of well-defined bands of approximately equal intensity after electrophoresis and Coomassie blue staining.

Other Notes

Protein (mol. wt.)

Glyceraldehyde-3-phosphate dehydrogenase, rabbit muscle (36,000)

Ovalbumin, chicken egg (45,000)

Glutamic dehydrogenase, bovine liver (55,000)

Albumin, bovine serum (66,000)

Phosphorylase B, rabbit muscle (97,000)

β -Galactosidase, *E. coli* (116,000)

Myosin, porcine heart (200,000)

Will yield bands for the following seven proteins from the SigmaMarker list with Coomassie Blue staining.

Reconstitution

Reconstitution with 100 μ l of deionized water results in a solution containing 2-3.5 mg of protein per ml of 62 mM Tris-HCl, pH 6.8, 1 mM EDTA, 4% sucrose, 10 mM TCEP, 2% SDS, and 0.01% bromophenol blue.

Legal Information

SigmaMarker is a trademark of Sigma-Aldrich Co. LLC