

ProSieve® Protein Markers Instructions for Use

Introduction

ProSieve® Protein Markers are a novel set of 10 proteins produced by recombinant expression in bacteria. They are designed for accurate sizing of proteins in both SDS polyacrylamide gel electrophoresis and Western blotting. These recombinant proteins do not contain oligosaccharides which can cause anomalous migration, heterogeneous “fuzzy” bands, and inaccurate size estimation. Further, each protein in the set has a known, exact mass of 5, 10, 15, 25, 35, 50, 75, 100, 150 and 225 kDa. Each vial contains 550 µg of total protein with 50 µg of each individual protein except for the 50 kDa protein which has twice this amount (100 µg) and serves as a reference point.

The protein standards are supplied at their working dilution in a sample loading buffer consisting of 125 mM Tris/HCl pH 6.8, 2% SDS, 10% glycerol, 200 mM 2-mercaptoethanol, and 0.007% bromphenol blue.

Quantity: 550 µg of protein in 500 µl, sufficient for 100 lanes of a standard protein minigel.

Recommended Procedure

Bring the ProSieve® Protein Standards to room temperature by briefly warming them in their vial in a 37°C water bath.

For Coomassie® Brilliant Blue R-250 protein staining, load

5 µl-10 µl per lane of a protein minigel, and 10 µl-30 µl per lane for larger format gels.

For SYPRO® Red Protein Gel Stain, or silver staining, load

1 µl-3 µl and 2 µl-10 µl per lane for mini and large format gels, respectively.

Ordering Information

Catalog No.	Description	Size
50547	ProSieve® Protein Markers	500 µl

Related Products

PAGEr® Gold Precast Gels
ProSieve® 50 Gel Solution
SYPRO® Red Gel Stain
SYPRO® Orange Gel Stain
SYPRO® Tangerine Gel Stain
AccuGENE® Tris-Glycine SDS Buffer

**For Research Use Only.
Not for use in diagnostic procedures.**

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