

# SeeBlue® Plus2 Pre-Stained Standard

Catalog no. LC5925

Size: 500 µl

Store at 4°C

## Introduction

The SeeBlue® Plus2 Pre-Stained Standard allows easy visualization of protein molecular weight ranges during electrophoresis and evaluation of western transfer efficiency.

The important features of the standard are listed below:

- Consists of 10 pre-stained protein bands (8 blue and 2 contrasting colors) in the range of 4-250 kDa\*
- Suitable for Tris-Glycine, Tricine, and NuPAGE® Novex® Gels

**\*Note: Do not** use SeeBlue® Plus2 Pre-Stained Standard for large protein molecular weight estimation. For molecular weight estimation of proteins >100 kDa, use Novex® Sharp Pre-stained Protein Standard (Cat. no. LC5800). For proteins >260 kDa, use HiMark™ Pre-stained Protein Standard (Cat. no. LC5699) on the NuPAGE® Tris-Acetate Gel System. Learn more about Novex® Sharp and HiMark™ Standards at [www.invitrogen.com](http://www.invitrogen.com).

## Specifications

Contents:	500 µl of SeeBlue® Plus2 Pre-Stained Standard
Loading Buffer:	Tris-HCl, Formamide, SDS, Phenol Red
Storage:	Store at 4°C
Stability:	4 months at 4°C

## Directions

SeeBlue® Plus2 Pre-Stained Standard is supplied ready-to-use. There is no need to heat or add reducing agent.

Use loading volumes listed below to obtain the best results:

Gel	Electrophoresis	Blotting
Mini-Gel (1.0 mm thick)	10 µl	3 µl
Mini-Gel (1.5 mm thick)	20 µl	5 µl
Standard Gel (1.0 mm thick)	20 µl	7 µl
Standard Gel (1.5 mm thick)	30 µl	10 µl

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## Example

Protein bands have different mobilities depending upon the SDS-PAGE buffer system used. The apparent molecular weights of the protein bands in the SeeBlue® Plus2 Pre-Stained Standard are listed below for several buffer systems. For more information on this phenomenon, and molecular weight estimation using SDS-PAGE, contact technical support (see previous page) or refer to the article “Molecular weight estimation of proteins by gel electrophoresis revisited” in the October 2003 issue (volume 25.3) of Focus®, available from [www.invitrogen.com](http://www.invitrogen.com).

### Protein

### Approximate Molecular Weights (kDa)



Myosin

Phosphorylase

BSA

Glutamic  
Dehydrogenase

Alcohol Dehydrogenase

Carbonic Anhydrase

Myoglobin Red

Lysozyme

Aprotinin

Insulin, B Chain

Tris-Glycine	Tricine	NuPAGE® MES	NuPAGE® MOPS
250	210	188	191
148	105	98	97
98	78	62	64
64	55	49	51
50	45	38	39
36	34	28	28
22	17	17	19
16	16	14	14
6	7	6	n/a
4	4	3	n/a

NuPAGE® Novex®  
Bis-Tris 4-12% Gel