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novex® by life technologies™

Novex® Sharp Protein Standard

Cat. no. LC5800 **Size** 2 × 250 µL **Store at –30°C to –10°C**

Pub. Part no. LC5800.pps MAN0005693 **Rev. Date** 25 May 2012

Description

The Novex® Sharp Standard for SDS-PAGE allows you to easily visualize protein molecular weight ranges during electrophoresis and evaluate western transfer efficiency.

The important features of the standard are:

- Consists of 12 pre-stained protein bands in the range of 3.5–260 kDa
- Suitable for NuPAGE® Novex®, Tris-Glycine, and Tricine Gels
- Supplied in a ready-to-use format

Specifications

Contents:	2 × 250 µL of Novex® Sharp Standard
Storage Buffer:	65 mM Tris pH 6.5, 30% glycerol, 2% SDS, 2.5 mM EDTA
Stability:	12 months at –20ºC

Product Qualification

The Certificate of Analysis (CofA) provides detailed quality control information for each product. The CofA is available on our website at **www.lifetechnologies.com/support**, and is searchable by product lot number, which is printed on each box.

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Directions

The Novex® Sharp Standard is supplied ready-to-use. **There is no need to heat or add reducing agent.**

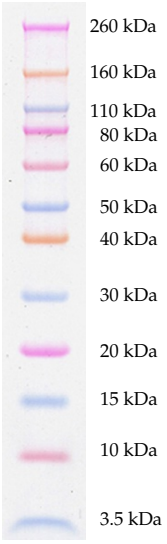
1. Thaw the ladder at room temperature.
2. Vortex gently to ensure that the solution is homogenous.
3. To obtain best results, load the standard into the well of an SDS gel using the loading volumes listed in the following table:

Gel Type	Electrophoresis	Blotting
Mini-Gel (1.0-mm thick)	10 µL	5 µL
Mini-Gel (1.5-mm thick)	12 µL	6 µL
Midi gel (12+2 well) Sample Lane	14 µL	7 µL
Midi gel (12+2 well) Marker Lane	5 µL	2.5 µL
Midi gel (20-well)	8 µL	4 µL
Midi gel (26-well)	5 µL	2.5 µL

After electrophoresis, you should observe the protein standard bands as shown on page 3. For blotting conditions, follow the specific protocol for your gel and membrane types.

Example

10 µL of Novex® Sharp Standard was analyzed on a NuPAGE® Novex® 4–12% Bis-Tris Gel with 1X MES Running Buffer. The molecular weights of the protein bands in the Novex® Sharp Pre-stained Standard are shown below:



Note: The Novex® Sharp Standard molecular weight estimates are the same in NuPAGE® Novex®, Tris-Glycine, and Tricine Gels. The 3.5 kDa band is visible only on NuPAGE® gels with 1X MES running buffer.

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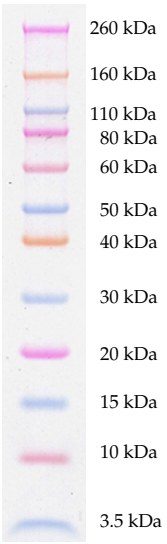

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