

## — PROTOCOL —

## BlueAQUA Prestained Protein Ladder

Catalog Number	Unit Size	Reactions
PM019-0500	500 ul	

- 3 ul or 5 ul per loading for clear visualization during electrophoresis on 15-well or 10-well mini-gel, respectively.
- 1.5~2.5 ul per well for general Western transferring.
- Apply more for thicker (> 1.5 mm) or larger gel.

**Storage** : Stable for up to 2 weeks at 25°C

Stable for up to 3 months at 4°C.

For long term storage, store at -20°C

### Description

The BlueAQUA Prestained Protein Ladder is a blue protein standard with 11 pre-stained proteins covering a wide range of molecular weights from 10 to 180 kDa. Proteins are covalently coupled with a blue chromophore, and two reference bands (at 25 kDa and 72 kDa respectively) are enhanced in intensity when separated on SDS-PAGE (Tris-glycine buffer). The BlueAQUA Prestained Protein Ladder is designed for monitoring protein separation during SDS-polyacrylamide gel electrophoresis, verification of Western transfer efficiency on membranes (PVDF, nylon, or nitrocellulose) and for approximating the size of proteins. The ladder is supplied in gel loading buffer and is ready to use. Do not heat, dilute, add reducing agent before loading.

### Contents

Approximately 0.1~0.5 mg/ml of each protein in the buffer (20 mM Tris-phosphate, pH 7.5 at 25°C), 2 % SDS, 0.2 mM Dithiothreitol, 3.6 M Urea, and 15 % (v/v) Glycerol).

### Quality Control

Under suggested conditions, BlueAQUA Prestained Protein Ladder resolves 11 major bands in 15% SDS-PAGE (Tris-glycine buffer) and after Western blotting to nitrocellulose membrane.

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Guide for Molecular Weight Estimation (kDa)

Migration patterns of BlueAQUA Prestained Protein Ladder in different electrophoresis conditions are listed below: Note: The apparent molecular weight of each protein (kDa) has been determined by calibration against an unstained protein ladder in each electrophoresis condition.

\* supplement data should be considered for more accurate adjustment.  
All products are for research use only. Caution: Not intended for human or animal diagnostic or therapeutic uses.

