



AviLMW™

Cat. No.: A11910

Cat. No.: A11911

0.5 ml

2.0 ml

Store at -20 °C

Description:

AviLMW™ for SDS Electrophoresis is a liquid mixture of six purified proteins.

The rang of **AviLMW™** is from 14000 to 96000 Dalton when used in denaturing polyacrylamide, for use in molecular weight estimation in the presence of the detergent sodium dodecyl sulfata (SDS).

Storage:

At -20 °C.

To avoid several Freeze-thaws, **AviLMW™** should be aliquoted after the first thaw and stored at -20°C.

All reagents are stable for up to 24 months under proper storage conditions.

Components:

Phosphorylase b: 100 µg, 97000 (Da), rabbit muscle (source), Albumin: 100 µg, 66000 (Da), bovine serum (source), Ovalbumin: 220 µg, 45000 (Da), chicken egg white (source), Carbonic anhydrase: 100 µg, 30000 (Da), bovine erythrocyte (source), Trypsin inhibitor: 75 µg, 20100 (Da), soybean (source), Lysozyme: 100 µg, 14400 (Da), egg white (source),

Component	A11910	A11911
reagent	0.5 ml	2.0 ml

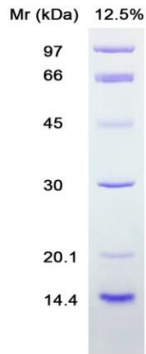


Fig 1. AvilMW™ stained with Coomassie Brilliant Blue. 5 μ l of marker (10 μ l of sample buffer diluted) were loaded on a 12.5% polyacrylamide gel. The gel was run at a constant current of 120 V for 2 hours on a Bio-Rad mini protean electrophoresis unit.

Recommendations for loading:

1. Thaw the marker at 37 °C for a few minutes.
2. Mix one part of LMW protein marker with one part of 2x sample buffer.

3. Heat this tube at 95 °C for 5 minutes to completely denature proteins.
4. Load the following volumes of the marker on SDS-PAGE:
 - 10 μ l per well for mini gels
 - 15 μ l per well for large gels
5. If you want to store this sample buffer-diluted marker, chill on ice.
6. Make aliquots and keep them at -20 °C while not in use (additional heating is not required;

for next uses, simply thaw the aliquots at 37-40 °C for a few minutes and mix until the solution is homogeneous and clear).

Standard 2x Sample buffer:

0.125 M Tris-HCl pH 6.8, 4% SDS, 20% (v/v) glycerol, 2% 2-ME and 0.01% Bromophenol blue.

Disclaimers:

AvilMW™ is for **Research Use Only** and should only be used by trained professionals.