AccuMark Pre-stained Molecular Weight Markers

Quality Control Certificate of Analysis
Catalogue no.: A010-601
Unit size: 500 µL
Lot no.: 642070

Introduction
AccuMark pre-stained molecular weight markers represent a set of 12 multi-coloured protein standards covering a broad range of molecular weights (10 to 245 kDa). 10 of the 12 proteins are covalently linked to a blue dye, whilst the remaining two have a red dye (75kDa marker) and a green dye (25kDa) marker covalently attached. The AccuMark standards therefore provide the user with not only excellent resolution across the molecular weight range, but also absolute confidence in molecular weight estimation (figure 1).

AccuMark pre-stained molecular weight markers have also been designed to aid;
- Monitoring the progress of SDS-PAGE.
- Checking transfer efficiency, either onto PVDF or Nitrocellulose membranes in western blotting.

Storage
AccuMark pre-stained molecular weight markers have been made up in buffer containing 20mM Tris-H_3PO_4, pH 7.5, 2% SDS, 0.2mM DTT, 3.6M Urea and 15% Glycerol.

Store at -20^{0}C; markers have a 'shelf life' of 12 months from date of receipt – avoid multiple freeze thaw cycles.

Safety Information
The full safety data sheet can be found on the Badrilla website; https://badrilla.com/accumark.html

Wear gloves, lab coat and safety glasses whilst using this product. Avoid contact with skin - in case of contact, wash with copious amounts of water.

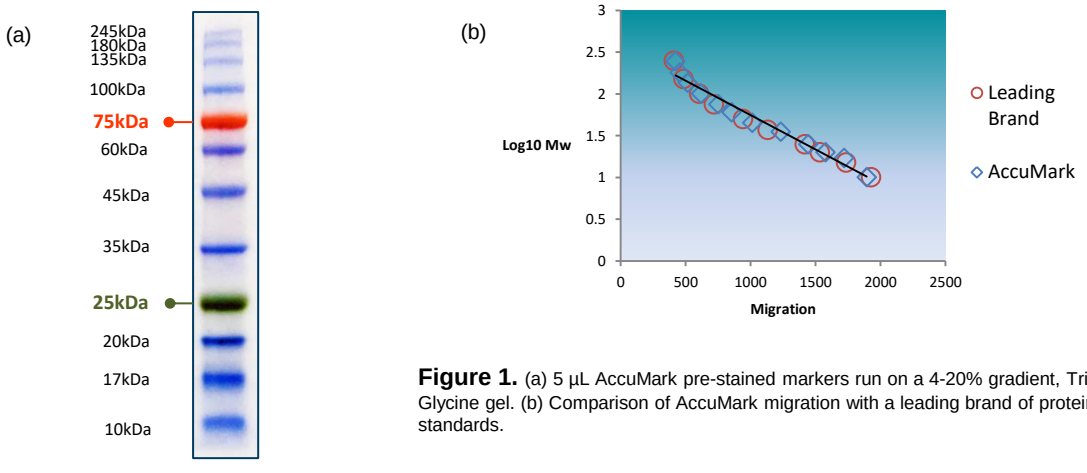

Figure 1. (a) 5 µL AccuMark pre-stained markers run on a 4-20% gradient, Tris-Glycine gel. (b) Comparison of AccuMark migration with a leading brand of protein standards.

Instructions
AccuMark pre-stained molecular weight markers are ready to use with **NO** heating, diluting or addition of reducing agent required prior to loading. Simply;

1. Thaw **AccuMark** standards at room temperature. **Warning**: Do not heat or boil prior to loading
2. Mix thoroughly.
3. Load an appropriate volume of the **AccuMark** standards
    - Mini Gel: 3-5 µL/well
    - Large Gel: 10 µL/well
    - Western Blotting: 3-5 µL/well

Badrilla Ltd. Leeds Innovation Centre, 103 Clarendon Road, Leeds LS2 9DF, UK. Tel: +44 (0)7801 730618. Email: info@badrilla.com.