

## PRODUCT INFORMATION

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**Product Name:** DynaMarker® Protein MultiColor III, Large

**Code No:** DM637

**Lot No:** \*\*\*\*\*

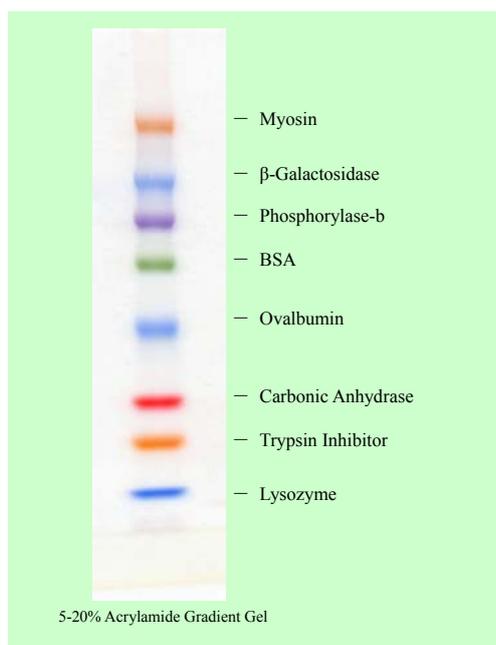
**Size:** 300 µl × 10 (DM637 × 5) (600 mini-gel lanes)

**Storage:** Store at -20 °C

**Storage Buffer:** 10 mM TrisHCl (pH7.0), 2 mM EDTA, 1% SDS, 50 mM DTT, 10 % glycerol

### Description

DynaMarker® Protein MultiColor III consist of eight proteins, prestained orange, blue, purple, green or red, ranging in apparent molecular weight from approximately 17 kDa to 230 kDa. It is suitable for visualizing proteins during electrophoresis without staining and for monitoring electrophoretic transfer onto membranes. The protein concentrations are optimized to give uniform band intensities. The marker is supplied in gel loading buffer for direct loading onto SDS-PAGE without heating or adding reducing agent.



### Protocol

1. Thaw DynaMarker® Protein MultiColor III completely before use.
2. Load 5 µl for mini-gels or more for large size gels.
3. Load your samples.
4. Start electrophoresis.

**Note:** There no need to heat or add reducing agent.

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### Contents

Protein	Color	Apparent molecular weight (kDa) *
Myosin	Orange	230.0
$\beta$ -Galactosidase	Blue	140.0
Phosphorylase-b	Purple	96.0
BSA	Green	70.0
Ovalbumin	Blue	45.0
Carbonic Anhydrase	Red	31.0
Soybean Trypsin Inhibitor	Orange	26.0
Lysozyme	Blue	17.0

Apparent molecular weights are lot specific. Please refer to the attached document to each <sup>DynaMarker</sup> Protein MultiColor III for these exact molecular weights.

**Note:** Covalently bound dye affects protein mobility. Each batch of prestained protein marker is calibrated against unstained standards. A prestained protein marker should be used for approximate molecular weight determination. For precise molecular weight determination use an unstained molecular weight marker.

\* : The apparent molecular weight values are lot specific.

### CBB Staining

Because highly purified proteins in <sup>DynaMarker</sup> Protein MultiColor III were bonded to high quality dye covalently and stoichiometrically and protein is adjusted to approximately equal amount, sharp and clarified bands with uniform intensity appear without extra-bands even after coomassie staining.

