



PR1MA™

**PR1MA™
SmartCheck™
All Blue
Protein Markers**

PR5010-BL

PR5011-BL

Ready-to-use with loading dye added,
0.1 - 0.5mg/ml concentration

Contains 2 tubes of 250µl - 100 lanes for electrophoresis and 250 lanes for general Western blotting

PH: 800.227.9997 EM: custserv@midsci.com

PR1MA™ SmartCheck™ All Blue Protein Markers

Description

PR1MA SmartCheck All Blue, Regular Range Protein Markers are blue protein standards with 10 or 11 pre-stained proteins covering a wide range of molecular weights from 10 to 180 kDa in Tris-Glycine buffer (9 to 170 kDa in Bis-Tris (MOPS) buffer and Bis-Tris (MES) buffer). Proteins are covalently coupled with a blue chromophore, and two reference bands (at 25 kDa and 72 kDa, in the presence of Tris-Glycine buffer) are enhanced in intensity

Loading Volume

- 3 µl or 5 µl per loading for clear visualization during electrophoresis on a 15-well or 10-well mini-gel.
- 1.5~2.5 µl per well for general Western blotting transfer.

The markers are supplied at a concentration of 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).

Storage

This product is shipped at ambient temperature. Upon receipt, markers can be stored for up to 24 months at -20°C or up to 3 months at 4°C.

Quality Control

Under suggested conditions, SmartCheck All Blue, Regular Range Protein Markers resolve 10 or 11 major bands in SDS-PAGE (Tris-Glycine, MOPS, and MES buffer) and after Western blotting transfer to a nitrocellulose membrane.

General Guidelines

SmartCheck Protein Markers are supplied ready-to-use. Gently pipette up and down to mix the markers and add up to 5µl to the desired well in the gel. If the markers are frozen, allow time to thaw and mix thoroughly.

Technical Support

For trouble-shooting and technical support, contact us by phone at 800 227-9997 or email tech@midsci.com.

Limitations of Use

For research purposes only. Not intended for therapeutic or diagnostic use. MidSci is not responsible for consequential or incidental damages, whether direct or indirect, resulting from use of this product.

Package contents and reordering


See front panel for package contents and reordering information.

See reverse side for molecular weights with band sizes. The images can be cut and placed on lab bench for quick reference.

MidSci offers a full line of PCR enzymes and master mixes. Visit www.midsci.com for details. sd/sj 03/21

PR5010-BL Blue Protein Marker 10 Bands

Band	Color	TRIS-GLYCINE	BIS-TRIS (MOPS)	BIS-TRIS (MES)
1	Blue	180	170	170
2	Blue	140	130	130
3	Blue	100	93	93
4	Blue	72	68	70
5	Blue	60	53	53
6	Blue	45	41	42
7	Blue	35	30	30
8	Blue	25	22	23
9	Blue	15	14	14
10	Blue	10	9	9



PR5011-BL Blue Protein Marker 11 Bands

Band	Color	TRIS-GLYCINE	BIS-TRIS (MOPS)	BIS-TRIS (MES)
1	Blue	180	170	170
2	Blue	140	130	130
3	Blue	100	93	93
4	Blue	72	68	70
5	Blue	60	53	53
6	Blue	45	41	42
7	Blue	35	30	30
8	Blue	25	22	23
9	Blue	20	18	18
10	Blue	15	14	14
11	Blue	10	9	9

