

**PR1MA™
SmartCheck™
Tricolor
Protein Markers**

- PR5010-TC
- PR5012-TC
- PR5013-TC

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

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PR1MA™ SmartCheck™ Tricolor Protein Markers

Description

PR1MA SmartCheck Tricolor Protein Markers are three-color protein standards with 10, 12, or 13 pre-stained proteins covering a wide range of molecular weights from 5 to 245 kDa in Tris-Glycine buffer (3.5 kDa to 235 kDa in Bis-Tris (MOPS) buffer and Bis-Tris (MES) buffer). Proteins are covalently coupled with a blue chromophore except for two reference bands, one green and one red band (at 25 kDa and 75 kDa, respectively, in the presence of Tris-Glycine buffer).

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 0.1~0.4 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™ Tricolor Protein Markers resolve 10, 12, or 13 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

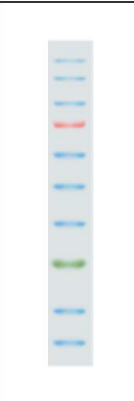
See front panel for package contents and reordering information.

See reverse side for molecular weights with band sizes. The images can be cut and placed on the 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-TC Tricolor 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	Red	75	70	72
5	Blue	60	53	53
6	Blue	45	41	42
7	Blue	35	30	30
8	Green	25	22	23
9	Blue	15	14	14
10	Blue	10	9	10



PR5012-TC Tricolor Protein Marker 12 bands

Band	Color	TRIS-GLYCINE	BIS-TRIS (MOPS)	BIS-TRIS (MES)
1	Blue	245	235	235
2	Blue	180	170	170
3	Blue	140	130	130
4	Blue	100	93	93
5	Red	75	70	72
6	Blue	60	53	53
7	Blue	45	41	42
8	Blue	35	30	30
9	Green	25	22	23
10	Blue	20	18	18
11	Blue	15	14	14
12	Blue	10	9	10



PR5013-TC Tricolor Protein Marker 13 bands

Band	Color	TRIS-GLYCINE	BIS-TRIS (MOPS)	BIS-TRIS (MES)
1	Blue	245	235	235
2	Blue	180	170	170
3	Blue	140	130	130
4	Blue	100	93	93
5	Red	75	70	72
6	Blue	60	53	53
7	Blue	45	41	42
8	Blue	35	30	30
9	Green	25	22	23
10	Blue	20	18	18
11	Blue	15	14	14
12	Blue	10	9	10
13	Blue	~5	~3.5	~3.5

