

Western Blot and Protein Staining Workflow Solutions

Western blot enables detection, visualization, and quantification of a specific protein from a sample of tissue homogenate or extract. To achieve the desired results, several factors must be considered, including the technique itself and the quality of consumables utilized.

With the help of our reagents and consumables, you can complete these blotting steps/procedures more quickly and effectively, producing better results in crucial areas such as:

- Accurate molecular weight measurements**
- Improvements in gel staining**
- Time-savings on blocking**
- Enhanced signal detection**
- Better band visualization**

Band	Color	TRIS-GLYCINE/ kDa	BIS-TRIS (MOPS)/ kDa	BIS-TRIS (MES)/ kDa
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

Protein Extraction & Loading

- Lysis Buffers
- Inhibitor Cocktails
- Protein Quantification
- Loading Buffers
- Protein Ladders

PAGE Analysis

- Running Buffers
- Precast Gels
- Gel Staining

Blotting & Imaging

- Antibody Probing
- Membrane Washing
- Chemiluminescence
- Antibody Stripping

Protein Extraction & Loading	Category	Name	Cat. No.
	Lysis Buffer	RIPA Buffer with Triton X-100, 500 mL	MP04822792
	Inhibitor Cocktails	Protease and Phosphatase Inhibitor Cocktail-10X	ICN08W00017
		Phosphatase Inhibitor Cocktail-10X	ICN08W00018
	Protein Quantification	BCA Protein Assay Kit	ICN08W00021
	Loading Buffers	Quick Fluorescent Loading Buffer (SDS-PAGE)-3X	ICN08W00013
		Quick Fluorescent Loading Buffer (Native-PAGE)-3X	ICN08W00014
		Protein Loading Buffer (SDS-PAGE)-5X	ICN08W00015
		Protein Loading Buffer (Native-PAGE)-5X	ICN08W00016
	Protein Ladders	Fluorescent Protein Marker (250 µL)	ICN08W00009
Prestained Triple Color Protein Ladder (10-180 kDa) (50 µL)		MP08L100251	
Prestained Triple Color Protein Ladder (10-180 kDa) (250 µL)		MP08L100252	

PAGE Analysis	Category	Name	Cat. No.
	Running Buffers	Tris-Glycine Running Buffer for SDS-PAGE (Powder)	ICN08W00010
		Tris-Glycine Running Buffer for Native PAGE (Powder)	ICN08W00011
		Ultra-Fast Running Buffer for SDS-PAGE (Powder)	ICN08W00012
	Precast Gels	Precast Gel Plus Tris-Gly 10%, 10 Wells	ICN08W00001
		Precast Gel Plus Tris-Gly 12%, 10 Wells	ICN08W00003
		Precast Gel Plus Tris-Gly 15%, 10 Wells	ICN08W00005
		Precast Gel Plus Tris-Gly 4-20%, 10 Wells	ICN08W00007
	Gel Staining Solution	Ultra-Blue Fast PAGE Gel Staining Solution	MP08X100001

* Precast Gel Plus also available in a 15-well format.

Blotting & Imaging	Category	Name	Cat. No.
	Antibody Probing	Rabbit anti-beta-Actin mAb (High Potency)	MP08L100027
		Mouse anti-alpha-Tubulin mAb	MP08L100028
		Mouse anti-beta-Tubulin mAb	MP08L100029
		Mouse anti-GAPDH mAb (High Potency)	MP08L100030
		Rabbit anti-His Tag mAb	MP08L100033
		OneStep Western Blocker and Signal Enhancer (Protein-Free)	MP08X100002
		SARS-CoV-2 Spike S1 Rabbit Monoclonal Antibody	MP08L100003
	Antibody Stripping	Western Stripping Buffer	ICN08W00019
	Chemiluminescence	Ultra-Sense Femto-Plus Western ECL Substrate	MP08X100003
Membrane Washing	Tris-Buffered Saline, TBS (Powder)	ICN08W00020	

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