ELECTROPHORESIS

Protein Staining Reagents

To meet the great diversity of protein analysis needs, Sigma offers a wide selection of protein visualization (staining) reagents. EZBlue™ and ProteoSilver™, designed specifically for proteomics, also perform impressively in traditional PAGE formats.

Protein Dyes and Stains Selection Chart

Optimize your protein detection by choosing the best reagent for your application.

✓ **Good Choice**

★ **BEST Choice**

		Alcian Blue 8GX — A 3157	Amido Black Staining Solution — A 8181	Brilliant Blue G Concentrate — B 8522	Brilliant Blue R Staining Solution — B 6529	Coomassie™ Violet R 200 — 27817	Eosin Y — 45235	EZBlue™ — G 1041	Fast Green FCF — F 7252	Fixing Solution — F 7264	Fluorescamine — F 9015	GlycoProfile III — PP0300	GlycoProtein Detection Kit (Colorimetric) — GLYCO-PRO	Gold Solution, Colloidal — 50755	Oil Red O — O 9755	Ponceau S Solution — P 7170	ProteoSilver™ — PROT-SIL1	ProteoSilver Plus — PROT-SIL2	Reversible Protein Detection Kit — R-PROB	Sudan Black — 86015	SYPRO® Orange Protein Gel Stain — S 5692	SYPRO® Red Protein Gel Stain — S 5817	SYPRO® Ruby Protein Blot Stain — S 4817	SYPRO® Ruby Protein Gel Stain — S 4942	SYPRO® Tangerine Protein Gel Stain — S 5942
Method	Colorimetric	✓	✓	✓	✓	✓	✓	★	✓				✓	✓	✓	✓	✓	✓	✓	✓					
	Fluorescent										✓	✓									★	★	★	★	★
Detection Targets	Proteins		✓	✓	✓	✓	✓	★	✓		✓			✓		✓	★	★	✓		✓	✓	✓	✓	✓
	Glycoproteins	✓										★	★											✓	
	Lipids and/or Lipoproteins														★					✓				✓	
	Nucleic Acids																✓	✓							
	Phospholipids, Neutral Fats, & Sterols																			★					
Compatibility	PAGE	✓	✓	✓	✓		✓	✓	✓	✓		✓	✓				✓	✓	✓	✓	✓	✓		✓	✓
	IEF (Acrylamide)			✓	✓	★			✓															✓	
	Agarose Gel		✓		★															✓					
	PVDF Membrane			✓	★			✓				✓	✓			✓			✓				✓		
	Cellulose Acetate Membrane														★	✓				✓					
	Nitrocellulose Membrane	✓	✓											✓		★			✓				✓		
	Nylon Membrane																		★						
	MALDI-MS			✓	✓			✓				✓					✓	★					✓	✓	✓
Special Features	High Sensitivity (10 ng)							★																	✓
	Higher Sensitivity (1 ng)																				✓	✓	✓		
	Highest Sensitivity (0.1 ng/mm²)																★	★							
	Fixing Reagent			✓	✓			✓		★							✓	✓			✓				✓
	Requires No Destaining							★									✓	✓			✓				✓
	Rapid Development (5 minutes)		✓													✓									
	Reversible						✓									✓		✓	★						