



PAGE
and Western
blotting

BIOCHEMICALS Promotion

Protein Marker VI (10 – 245) prestained

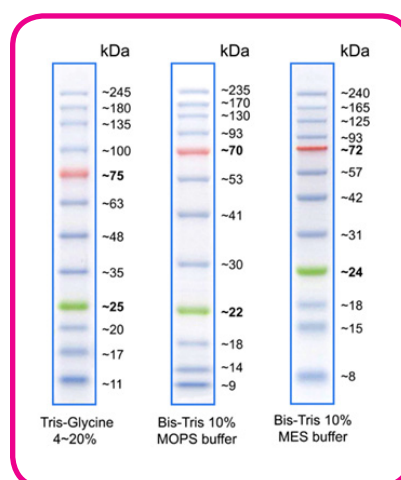
Protein Gel Electrophoresis Size Marker, Blue-Green-Red Protein Ladder

Description

Protein Marker VI prestained is a three-color protein standard with 12 prestained proteins covering a wide molecular weight range from approx. 10 to 245 kDa. Proteins are covalently coupled with either a blue chromophore or one green (25 kDa) and one red dye (75 kDa), respectively. Gel run may be monitored during protein separation on SDS-PAGE (Tris-glycine buffer, "Laemmli system"). Supplied in gel loading buffer ready-to-use. Alternative to Sigma 94964 or BioRad Leader BioRad: Dual Color Protein Marker.

Main Advantage

Less quantity per well (2.5 to 5 µl per well).



Description	Code	Package	Promo price
Protein Marker VI (10 – 245) prestained	A8889,0500	500 µl	\$180

CheLuminate-HRP PicoDetect

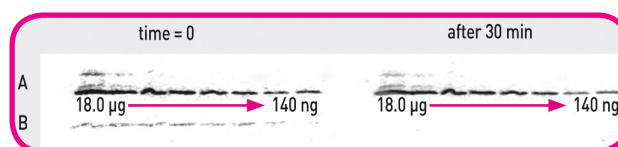
The CheLuminate-HRP PicoDetect kit corresponds to the classic chemiluminescence substrates based on phenolic enhancers and, therefore, differs from the other CheLuminate products. CheLuminate-HRP PicoDetect is comparable to the ECL™ System in terms of the chemistry and is the substrate of choice for detection of highly expressed proteins in combination with economical (standard) antibodies.

Excellent alternative to:

ECL™, SuperSignal®West Pico, Western Lightning®Plus, Luminata™ Classic, Lumi-Light®, LumiGLO®, LiteAblot®PLUS, SERVALight Polaris, PicoMax™, PicoTect™, Immun-Star™ HRP.

Kit for medium and poorly expressed proteins also available, see our website :

www.applichem.com/fileadmin/produktinfo/a103_en.pdf



Signal intensity of protein (18 to 0.14 µg) after polyacrylamide electrophoresis, transferred to a PVDF membrane and visualization using CheLuminate-HRP PicoDetect (detection limit up to picogram level). Recommended primary antibody dilution is 1:100–1:5,000 and secondary 1:5,000–1:100,000. Signal duration up to 1–2 hours.

Main Advantage

- **Superior for film:** For standard Western Blot detection on autoradiography film.
- **Easy to handle:** Picogram limit of detection allows detection of highly expressed proteins without background problems.
- **High stability:** Working solution is stable for 7 days at RT.

Description	Code	Package	Promo price
CheLuminate-HRP PicoDetect	A3417,1200	1 Kit	\$175



PAGE and Western blotting

Description	Application	Code	Package	Promo price
Gel electrophoresis components				
Acrylamide 4K solution (30 %) - Mix 37.5 : 1 Alternative to Sigma A3699	For most applications in the electrophoresis of nucleic acids or proteins, polyacrylamide gels are prepared from 30 % or 40 % stock solutions with a ratio Acrylamide : Bisacrylamide of 29 : 1 or 37.5 : 1.	A1672,1000	1 L	
Ammonium Persulfate BioChemica Alternative to Sigma A7460	Ammonium persulfate (APS) serves as the initiators of the polymerization of Acrylamide.	A1142,0250	250 g	
Glycine for molecular biology Alternative to Sigma 50046	One of the most commonly used buffer in the polyacrylamide gel electrophoresis for proteins is based on the work of Laemmli.	A1067,1000	1 kg	\$60
SDS BioChemica Alternative to Sigma L6026	For SDS polyacrylamide gels.	A2572,0500	500 g	
TEMED Alternative to Sigma T9281	Enhancer of the polymerization (cross-linking) of acrylamide and bisacrylamide in gel electrophoresis.	A1148,0025	25 ml	
Tris ultrapure Alternative to Sigma T1503	One of its most important applications is the use as an electrophoresis buffer (e.g. TBE, see A1417 and A0972 or TAE, see A1416 and A1691) for polyacrylamide and agarose gel electrophoresis, respectively.	A1086,1000	1 kg	\$113
Blocking agents				
Albumin Fraction V (pH 7.0) Alternative to Sigma A7906	Applied as a blocking agent for blocking unbound surfaces of blotting membranes in immunoblots or ELISAs. Also used for the dilution of antisera and antibody-stock solutions.	A1391,0100	100 g	\$218
Blocking Buffer I	Saturates free binding capacities on plastic consumables and other surfaces like ELISA plates and blotting membranes. Thus a reduction of unspecific binding on surfaces can be achieved.	A7099,0125	125 ml	\$264
Transfer membranes				
Pure Nitrocellulose unsupported 0.45 µm Transfer Membrane Alternative to Sigma Z741975	Used for Southern and Northern blots; Dot/Slot blots, Western blots and immunoblotting.	A5239,3030R	30 cm x 3 m Roll	\$558
PVDF-Star Transfer Membrane 0.45 µm Alternative to Sigma 05317	Used for Western Blots, immunoblotting and amino acid and protein analysis.	A5243,3030R	30 cm x 3 m Roll	\$660
Protein detection				
Coomassie® Brilliant Blue R-250 (C.I. 42660) Alternative to Sigma B0149	One of the most commonly used stains for proteins, after their separation by polyacrylamide gel electrophoresis.	A1092,0025	25 g	\$45
Gold ABConjugation Kit	Gold-conjugated antibodies allow one-step protein detection in Western blot experiments. The detection sensitivity using nanoparticle-conjugated antibody is about ≤ 10 pmol on blotting membranes.	A9535,0001	1 Kit	\$495
Ponceau S solution Alternative to Sigma P7170	For the staining of proteins immobilized on nitrocellulose filters. It is particularly suitable for reversible staining of proteins on transfer membranes during immunoblotting.	A2935,0500	500 ml	\$60
General biochemicals for protein purification, electrophoresis and western blotting				
Acetic Acid 100 % BioChemica Alternative to Sigma 695092	For protein staining solution preparation.	A3701,2500PE	2.5 L	
DTT BioChemica Alternative to Sigma D5545	It may substitute for β -mercaptoethanol in almost all experiments at three to four fold lower concentrations. DTT is less toxic, its odor is less intensive and it doesn't form mixed disulfides like β -mercaptoethanol.	A1101,0005	5 g	\$63
β-Mercaptoethanol BioChemica Alternative to Sigma M6250	Reducing agent used for the reduction of proteins during sample preparation. It prevents protein oxidation and acts as a denaturing agent of ribonucleases.	A4338,0100	100 ml	
Methanol BioChemica Alternative to Sigma 179337	For western blotting.	A3493,1000PE	1 L	
Tween® 20 BioChemica Alternative to Sigma P1379	For blocking buffers.	A1389,1000	1 L	\$69
Urea BioChemica Alternative to Sigma U6504	For Tris Urea gels. For protein staining solution preparation.	A1360,1000	1 kg	\$39
PBS tablets pH 7.4 (for 500 ml) Alternative to Sigma P4417-100TAB	Used in a wide range of applications including Tissue culture/ Cell culture; Sample dilution/ Protein dilution; Immunoassays/ Immuno-histochemistry; Microbiology.	A9191,0100	100 tablets	\$440

Valid until 31st May 2016. Subject to availability.

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