

Fluorescent Protein Stains

Cleaver Scientific is pleased to launch 3 new fluorescent stains for protein detection that are both reversible and more sensitive than many of the protein stains currently on the market. Available in blue, green and red colours as CSLblue, CSLgreen and CSLred, these protein stains can detect a minimum 1-3ng of protein per square millimetre of gel. Staining and destaining times are comparable to those required for standard Coomassie and SYPRO Ruby, while each gel may be visualised using a UV transilluminator and visible light filter. Each stain's metal chelate composition guarantees stability without loss of sensitivity for at least 1 year if stored within the refrigerator.



Technical Specifications			
Code	CSLblue	CSLgreen	CSLred
Description	Blue colorimetric protein stain, 1L	Green fluorescent protein stain, 1L	Red fluorescent protein stain, 1L
Documentation	312nm UV with white light filter	365nm UV with 530nm filter	312nm UV with 590nm filter
Sensitivity	3-5ng/mm ²	1-3ng/mm ²	1-3ng/mm ²
Application	Protein gels	Protein gels and blots	Protein gels

Colorimetric Protein Stains

DyeHard is a new Coomassie Blue polymer stain whose sensitivity is comparable to silver stain. Its high protein-binding affinity and specificity allows detection of as little as 3ng protein with minimal background. Staining with DyeHard is faster and more convenient than standard Coomassie, since no destain is required. DyeHard is also cost-effective, odourless and easy to dispose within the laboratory.



PAGE buffers

Five buffers are available in powder sachets for a range of native and denaturing protein gel electrophoresis techniques. Each powder sachet, which is supplied as a 10-pack, may be reconstituted to make 1 litre of working solution. Running buffers are also supplied in 1 litre and 5 litre volumes as ready made 10x Tris-Glycine and 10x Tris-Glycine-SDS solutions.



Protein Markers

Stable for 2 years if kept at -20°C, Cleaver Scientific PINK Plus prestained protein ladder includes three conspicuous blue reference bands, 10, 40 and 90 kDa in size, for easy identification. Ranging from 10 to 175 kDa, these markers are premixed with loading dye for direct loading on gels. Cleaver Scientific BLUE Wide Range Protein Ladders are also available for the separation of proteins greater than 175kDa in size. Sharp green and red reference bands, 25 and 75kDa in size, enable easy identification of protein bands within the gel up to a maximum size of 245kDa. These markers are supplied in gel loading buffer, ready for immediate use.



Ordering Information			
Fluorescent Protein Stain			
CSL-GREEN	Green Protein Stain, 1 litre	CSL-BLUE	Blue Protein Stain, 1 litre
CSL-RED	Red Protein Stain, 1 litre		
Protein Staining Solution			
300-692-500	DyeHard Protein Staining solution - 500ml	300-692-1000	DyeHard Protein Staining solution - 1000ml
Protein Markers			
CSL-PPL	CSL Pink Plus Prestained Protein Ladder (10-175 kDa)	CSL-BBL	Blue Wide Range Protein Ladder, (10-245 kDa)
Powdered Buffers			
CSL-TGSDSP	Powdered Tris-Glycine-SDS Running buffer - 10 Pouches (10 litres/pk)	CSL-MSDSP	Powdered MOPS-SDS buffer Running buffer - 10 Pouches (10 litres/pk)
CSL-TGP	Powdered Tris-Glycine Running buffer - 10 Pouches (10 litres/pk)	CSL-MESDSP	Powdered MES-SDS buffer Running buffer - 10 Pouches (10 litres/pk)
CSL-TTSDSP	Powdered Tris-TRICINE-SDS Running buffer - 10 Pouches (10 litres/pk)		
Buffers for Protein Electrophoresis			
TG10X1L	Cleaver Buffer Tris-Glycine 10x 1 litre	TG-SDS10X1L	Cleaver Buffer Tris-Glycine SDS 10x 1 litre
TG10X5L	Cleaver Buffer Tris-Glycine 10x 5 litre	TG-SDS10X5L	Cleaver Buffer Tris-Glycine SDS 10x 5 litre