

### Protein marker, recombinant, ProtoMetrics™



LF

Protein markers for protein electrophoresis consist of 9 precisely sized recombinant proteins of 10, 15, 25, 35, 50, 75, 100, 150, and 225kDa

Quantity: 500µL ProtoMetrics™ in 125mM Tris®-HCl pH6.8%, 2% SDS, 10% glycerol, 200mM 2-mercaptoethanol, 0.007% Bromophenol Blue.

Applications per vial: 100 mini gels

Usage: Do not heat markers prior to loading. ProtoMetrics™ are pre-denatured and repeated heating will degrade product performance. Load 5µL/lane for standard minigels. This will give 0.5µg/band, optimal for Coomassie® staining.

Catalogue No	Alt. No
<b>PRT-001-005X</b>	EC-899

### Protein marker, ProtoMarkers™



LF

ProtoMarkers™ protein standards range in size from approximately 20kDa to 190kDa, covering the most common protein molecular weights.

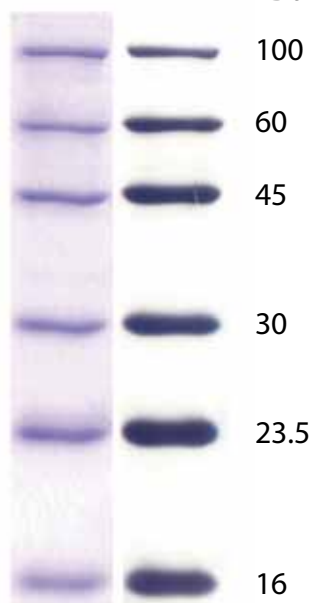
Consists of six markers permanently labelled with high-contrast blue dye. One protein is labelled with high-contrast red dye to facilitate accurate positioning on the gel.

Catalogue No	Alt. No
<b>ELR-212-010D</b>	VEC-898-0.05

### Protein ladder, Strep-tag®



LE



**kDa** The *Strep-tag*® protein ladder is a mixture of six recombinant, highly purified *Strep-tag*® proteins employed for precise sizing of proteins by SDS-PAGE.

The proteins resolve into clearly identifiable sharp and evenly stained bands from 15 to 100kDa when analysed on an SDS gel and stained with Coomassie Blue.

As each protein contains the *Strep-tag*®II sequence which is detected by *Strep-Tactin*® conjugates or *Strep-tag*® specific antibodies, the ladder can also be used for MW determinations on Western blots and serves as a positive control for the various detection systems.

Catalogue No	Alt. No	Description
<b>IB21011100</b>	2-1011-100	<i>Strep-tag</i> ® protein ladder

### pI markers



GE

- Broad, low and high pI kits are not for use in denaturing (urea) systems
- Store at 4°C

pI markers are lyophilised mixtures of stable, salt-free, highly purified proteins.

The markers may be run in parallel with the experimental samples on isoelectric focusing gels. Markers are not pre-stained.

The precisely defined pI of the markers allows a permanent and accurate calibration of sample components. pH gradients and pI can be measured to within 0.01 to 0.05 pH unit. The progress of the focusing experiment can be monitored visually by the focusing of methyl red or Cytochrome c.

Components of pI calibration kits

Kit	Protein	pI (Native)
Broad pI kit (pI 3.5 to 9.3)†	Amylglucosidase	3.50
	Methyl red (dye)	3.75
	Trypsin inhibitor	4.55
	β-Lactoglobulin A	5.20
	Carbonic anhydrase B (bovine)	5.85
	Carbonic anhydrase B (human)	6.55
	Myoglobin, acidic band	6.85
	Myoglobin, basic band	7.35
	Lentil lectin, acidic	8.15
	Lentil lectin, middle	8.45
	Lentil lectin, basic	8.65
Trypsinogen	9.30	
Low pI kit (pI 2.8 to 6.5)	Pepsinogen	2.80
	Amylglucosidase	3.50
	Methyl red (dye)	3.75
	Glucose oxidase	4.25
	Trypsin inhibitor	4.55
	β-Lactoglobulin A	5.20
	Carbonic anhydrase B (bovine)	5.85
	Carbonic anhydrase B (human)	6.55
	β-Lactoglobulin A	5.20
	Carbonic anhydrase B (bovine)	5.85
Carbonic anhydrase B (human)	6.55	
High pI kit (pI 5.2 to 10.3)†	β-Lactoglobulin A	5.20
	Carbonic anhydrase B (bovine)	5.85
	Carbonic anhydrase B (human)	6.55
	Myoglobin, acidic	6.85
	Myoglobin, basic	7.35
	Lentil lectin, acidic	8.15
	Lentil lectin, middle	8.45
	Lentil lectin, basic	8.65
	Trypsinogen	9.30
	Cytochrome c	10.25

† Measured at 24°C

Carbamylyte calibration kit	Protein	pI range	No. of vials
Creatine phosphokinase (34 spots)		4.9 to 7.1	4
Carbonic anhydrase (20 spots)		4.8 to 6.7	4
Glyceraldehyde-3-phosphate dehydrogenase (34 spots)		4.7 to 8.3	2

Catalogue No	Description	Quantity
<b>GZ17047101</b>	Broad pI kit, pH3 to pH10	10 vials, 325µg/vial
<b>GZ17047201</b>	Low pI kit, pH2.5 to pH6.5	10 vials, 280µg/vial
<b>GZ17047301</b>	High pI kit, pH5 to pH10.5	10 vials, 280µg/vial