


Electrophoresis



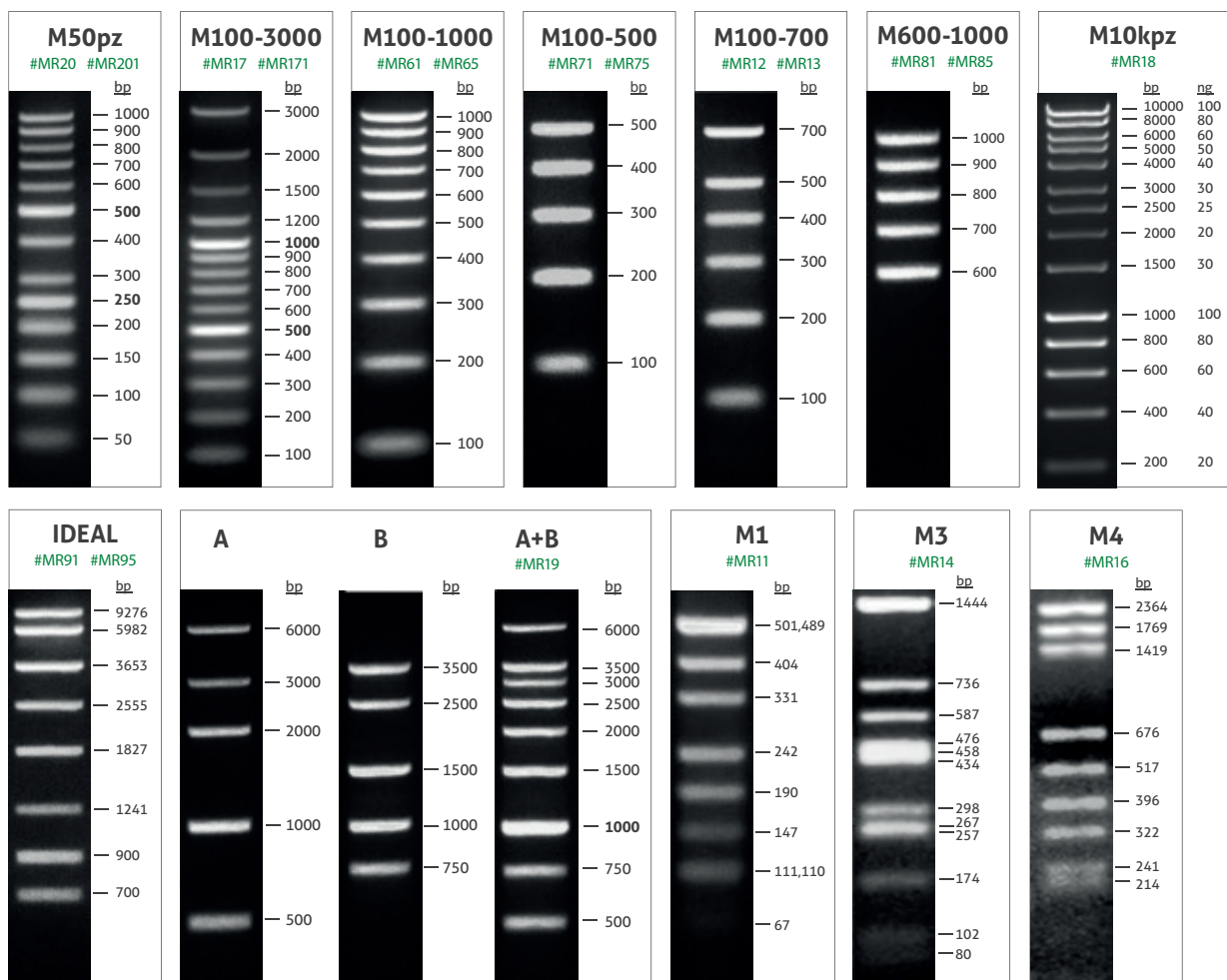


Wide range of core products
for electrophoresis including
**agaroses, DNA and protein
ladders, gel loading and
electrophoresis buffers**

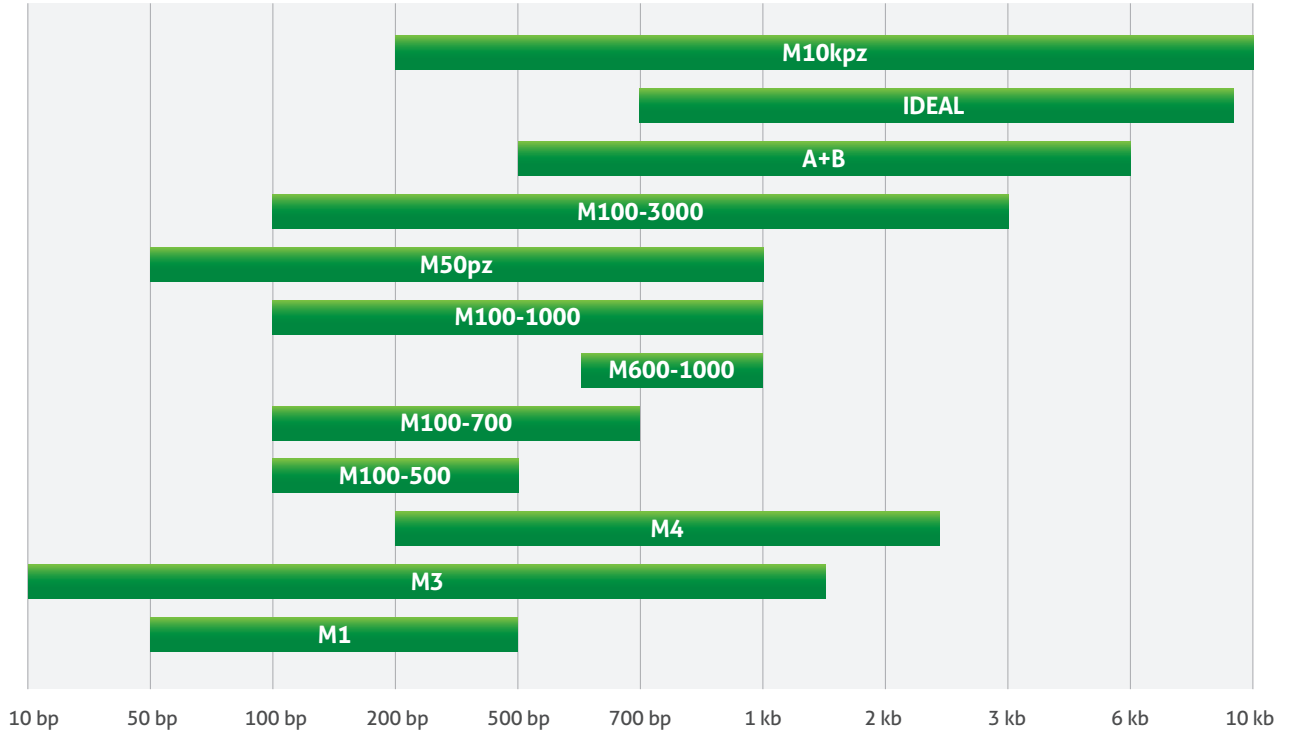
ELECTROPHORESIS

DNA Ladders

Our offer includes a selection of Molecular Weight DNA Ladders for estimation of double stranded DNA fragments and PCR products. Our DNA Ladders cover a wide range of DNA fragment lengths from 10 bp to 10.000 bp. A DNA loading buffer 6x Green is provided with each Ladder. We also offer DNA Ladders premixed with the loading dye in a ready-to-use format.



DNA Ladder Selection Table

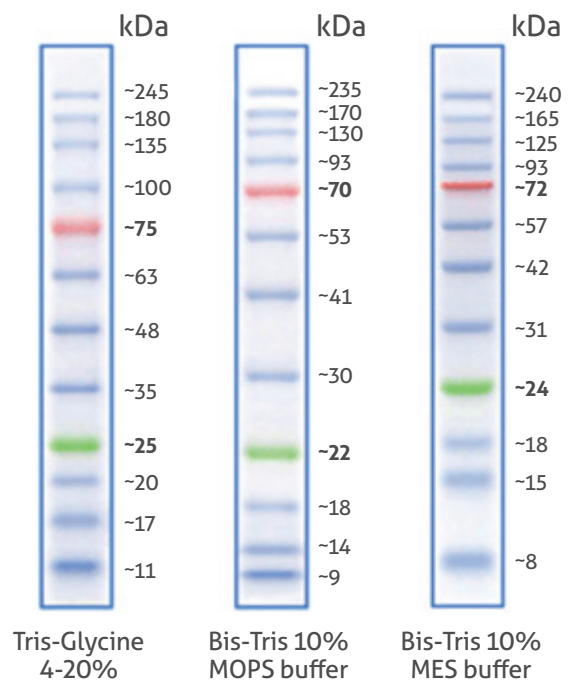


3-Colour Prestained Protein Marker

The 3-Colour Prestained Protein Marker is a mixture of 12 pre-stained proteins minutely selected to facilitate in protein molecular weight estimation in a wide range of 11-245 kDa. Proteins are covalently coupled with different colour dyes (green, red and blue). The 3-Colour Prestained Protein Marker can be used for monitoring the protein separation by SDS-PAGE, verification of a transfer efficiency onto PVDF, nylon, or nitrocellulose membranes (Western transfer) as well as for protein size estimation.

Advantages:

- Covers a wide range of molecular weight (11-245 kDa)
- Ready-to-use version
- Tri-colour construction facilitates easier molecular weight estimation
- 12 sharp evenly distributed protein bands



Agaroses

- Conventional and preparative electrophoresis of a wide range of DNA and RNA fragments
- DNase and RNase free
- High Purity (Molecular Biology Grade)
- Low EEO
- Environmentally friendly manufacturing process

Agarose LE Standard

The Agarose LE Standard is especially useful for routine electrophoresis of a wide range of DNA fragments (100 – 25.000 bp).

Agarose LM Low Melting

The Agarose LM is ideal for preparative electrophoresis and the recovery of DNA and RNA. It is characterized by low melting and gelling point. When working with the Agarose LM, there is no need for extracting the DNA from a gel before manipulations such as ligation, transformation, restriction, amplification and sequencing. It is useful for the separation of nucleic acids in the range of 100 – 25.000 bp.

Agarose HR High Resolution

The Agarose HR is suitable for separation of small DNA fragments and PCR products between 20 – 800 bp. The Agarose HR allows separation of DNA fragments differing by 2% of molecular weight. This is a good alternative to polyacrylamide electrophoresis. High resolution agarose guarantees high clarity and low background.

Agarose 3:1 Transfer

The Agarose 3:1 Transfer is a minutely selected mixture of agaroses formulated to provide high resolution, good clarity and very low background. It is the optimal choice for Northern and Southern blotting as well as separation of small PCR products and DNA or RNA fragments.

Agarose LE Tablets

The Agarose LE Tablets are pre-weighted tablets of Agarose LE Standard suitable for routine electrophoresis. It is a convenient, easy-to-use and time saving solution.

Specification	AGAROSE				
	LE Standard	LE Tablets	HR High Resolution	LM Low Melting	3:1 Transfer
Appearance	White powder	White tablets	White powder	White powder	White powder
EEO	0,06 – 0,13	0,06 – 0,13	≤ 0,1	≤ 0,1	≤ 0,1
Gel strength (1,5% gel)	≥ 1200 g/cm ²	≥ 1200 g/cm ²	≥ 750 g/cm ²	≥ 200 g/cm ²	≥ 650 g/cm ²
Melting point (1,5% gel)	88°C ± 1,5°C	88°C ± 1,5°C	≤ 70°C	≤ 65°C	≤ 80°C
Gelling point (1,5% gel)	36°C ± 1,5°C	36°C ± 1,5°C	≤ 33°C	26 – 30°C	36°C
Ash	≤ 0,5%	≤ 0,5%	≤ 0,5%	≤ 0,5%	≤ 0,5%
Moisture	≤ 10%	≤ 10%	≤ 10%	≤ 10%	≤ 10%
Sulfate	≤ 0,15%	≤ 0,15%	≤ 0,1%	≤ 0,1%	≤ 0,1%
DNases/RNases	None detected	None detected	None detected	None detected	None detected
Proteases/nucleases	None detected	None detected	None detected	None detected	None detected
Range of separation	100 – 25.000 bp	100 – 25.000 bp	20 – 800 bp	100 – 25.000 bp	10 – 1000 bp

Product	Size	Cat. No.
DNA Ladders		
M100-500	50 – 100 lanes	MR71
M100-500 ready-to-use	50 – 100 lanes	MR75
M100-700	50 – 100 lanes	MR12
M100-700 ready-to-use	50 – 100 lanes	MR13
M100-1000	50 – 100 lanes	MR61
M100-1000 ready-to-use	50 – 100 lanes	MR65
M600-1000	50 – 100 lanes	MR81
M600-1000 ready-to-use	50 – 100 lanes	MR85
M100-3000	50 – 100 lanes	MR17
M100-3000 ready-to-use	50 – 100 lanes	MR171
M10kpz ready-to-use	50 – 100 lanes	MR18
A+B	50 – 100 lanes	MR19
M50pz	50 – 100 lanes	MR20
M50pz ready-to-use	50 – 100 lanes	MR201
IDEAL	50 – 100 lanes	MR91
IDEAL ready-to-use	50 – 100 lanes	MR95
M1	50 – 100 lanes	MR11
M3	50 – 100 lanes	MR14
M4	50 – 100 lanes	MR16
3-Colour Prestained Protein Marker	500 µl	PM30-500
Agaroses		
Agarose LE Standard	100 g	AG41-010
Agarose LE Standard	500 g	AG41-050
Agarose HR High Resolution	50 g	AG42-005
Agarose HR High Resolution	100 g	AG42-010
Agarose LM Low Melting	50 g	AG43-005
Agarose 3:1 Transfer	50 g	AG44-005
Agarose LE Tablets	50 tablets	AG45-005
Agarose LE Tablets	200 tablets	AG45-020
Electrophoresis Buffers		
50x TAE (Tris-Acetate-EDTA)	250 ml	AG20
10x TBE (Tris-Borate-EDTA)	250 ml	AG19
10x TG (Tris-Glycine)	250 ml	AC18
10x TGS (Tris-Glycine-SDS)	250 ml	AC17
DNA Loading Buffers		
6x Green	1 ml	AG18
6x Orange	1 ml	AG17
6x Blue	1 ml	AG16
6x Violet	1 ml	AG15



**High-quality and ultra-pure
agaroses** – choose one which
suits your research the most



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