

LMP Agaroses

Catalogue Number	Description	Qty
300-750	Agarose Hi-Strength LMP	50g
300-800	Agarose Hi-Strength LMP	100g
300-850	Agarose Hi-Strength Ultra LMP	50g
300-875	Agarose Hi-Strength Ultra LMP	100g
300-880	Agarose Pure-Sieve LM	50g
300-890	Agarose Pure-Sieve LM	100g

The LMP Agaroses offer important reductions in both gelling and melting temperatures, allowing convenient and easy recovery of biological entities from gels. Applications for LMP Agarose include cell and tissue culture and nucleic acid electrophoresis. A key feature of LMP Agarose is high mechanical strength even at low gel concentrations giving greater ease of handling and cost-effectiveness in routine use.

Hi-Strength™ LMP Agarose


These are low melting (<65.50°C) agaroses that are particularly suited to applications involving separations of DNA fragments greater than 600bp. The high gel strength (300gm/cm² at 1% gel) make it easy to handle. The low gelling and melting temperatures allows good digestion/degradation of DNA/RNA and efficient subsequent product recovery.


Hi-Strength Ultra™ LMP Agarose


The lowest gel point available (<130°C at 1.5% gel), but still a high gel strength for good handling properties. Optimal separation of biologically active molecules, combined with certified absence of inhibitors ensures maximal product recovery, and preservation of products tertiary structure.


Pure-Sieve LM™ Agarose

A low melting Agarose with high resolving capability for DNA fragments in the 200-800bp range. Use for in-gel enzymatic processes and preparative electrophoresis.

 BioGene Limited – 6 The Business Centre, Harvard Way, Kimbolton, Cambridgeshire, PE28 0NJ, United Kingdom.

 +44 (0)3333 222678

 biogene@biogene.com

 +44 (0)3333 222567

 www.biogene.com

Registered No. 2800327

VAT No. GB576854584



SPECIFICATION

	Units	Hi-Strength™ LMP	Hi-Strength Ultra™ LMP	Pure-Sieve LM™
Gel Strength (1% gel)	gm/cm ²	> 300		
Gel Strength (1.5% gel)	gm/cm ²	> 500	> 300	
Gel Strength (4% gel)	gm/cm ²			> 1000
Gel Point (1.5% gel)	/°C	24 - 28	<13	
Gel Temperature (4% gel)	/°C			< 35
Melting Point (1.5% gel)	/°C	< 65.5	< 60	
Melting Point (4% gel)	/°C			< 65
Clarity (1.5% soln)	NP	< 40	< 40	
Electroendosmosis ¹ (EEO)		< 0.12	< 0.10	< 0.10
Moisture	%	< 7.0	< 7.0	< 5.0
Sulphate	%	< 0.12	< 0.10	< 0.12
Ash	%	< 0.35	< 0.35	< 0.3

STORAGE

- Store at room temperature, dry atmosphere.



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