

# **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.

## Mi-Strength™ LMP Agarose

These are low melting (<65.50°C) agaroses that are particularly suited to applications involving separations of DNA fragments greater then 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 ingel enzymatic processes and preparative electrophoresis.



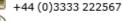
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## **SPECIFICATION**

	Units	Hi-Strength™ LMP	Hi-Strength Ultra™ LMP	Pure-Sieve LM™
Gel Strength (1% gel)	gm/cm <sup>2</sup>	> 300		
Gel Strength (1.5% gel)	gm/cm <sup>2</sup>	> 500	> 300	
Gel Strength (4% gel)	gm/cm <sup>2</sup>			> 1000
Gel Point (1.5% gel)	/ºC	24 - 28	<13	
Gel Temperature (4% gel)	/ºC			< 35
Melting Point	/ºC	< 65.5	< 60	
(1.5% gel)				
Melting Point (4% gel)	/ºC			< 65
Clarity (1.5% soln)	NP	< 40	< 40	
Electroendosmosis <sup>1</sup> (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.







