

Molecular Gating Agaroses

Catalogue Number	Description	Qty
300-900	Agarose PhoreCus	50g
300-950	Agarose PhoreCus	100g
300-975	Agarose UltraSieve	50g
300-980	Agarose UltraSieve	100g
300-985	Agarose NanoSieve	50g
300-989	Agarose NanoSieve	100g

An innovative range of speciality pure agaroses, highly purified to allow high resolution of small DNA fragments. They have the same resolving power as 5-8% PAGE but without the attendant hazards associated with polyacrylamides.

🔥 PhoreCus™ Agarose


Use for DNA fragments between 60-1000bp and where high gel strength (e.g. for large gels) is required.


🔥 UltraSieve™ Agarose


Use in separation of DNA fragments smaller than 100bp - it is recommended for use where DNA is to be recovered for subsequent use in enzymatic procedures.


🔥 NanoSieve™ Agarose

Use for DNA fragments smaller than 50bp - high resolution with clear separation of 50bp products with 3bp differences between them.

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

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Registered No. 2800327

VAT No. GB576854584




SPECIFICATION


Molecular Gating Agarose	Approximate Separation Range (in 1x TAE buffer)
PhoreCus™ Agarose	1.8% Gel: 500-1000bp 3.0% Gel: 150-600bp 4.5% Gel: 50-350bp
UltraSieve™ Agarose	3% Gel: 80-400bp 4% Gel: 30-300bp 5% Gel: 10-200bp
3 NanoSieve™ Agarose	2% Gel: 500-1500bp 4% Gel: 150-600bp


	Units	PhoreCus™	UltraSieve™	NanoSieve™
Gel Strength (1.5% gel)	gm/cm ²	> 600	> 2000	
Gel Strength (3% gel)	gm/cm ²	> 1500		> 500
Gel Strength (4% gel)	gm/cm ²		> 4200	
Gel Strength (5% gel)	gm/cm ²			> 1000
Gel Temperature (3% gel)	/°C	< 35.5		< 31
Gel Temperature (4% gel)	/°C		< 40.5	
Melting Point (3% gel)	/°C	< 80		< 76
Melting Point (4% gel)	/°C		< 93	
Clarity (1.5% soln)	NP	< 50	< 50	< 75 (3%)
Electroendosmosis ¹ (EEO)		< 0.12	< 0.12	< 0.12
Moisture	%	< 7.0	< 7.0	< 7.0
Sulphate	%	< 0.11	< 0.11	< 0.11
Ash	%	< 0.35	< 0.35	< 0.35


STORAGE

- Store at room temperature, dry atmosphere.

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