

## agarose

Cleaver Scientific CleverGEL is an environmentally friendly agarose suitable for analysis of nucleic acids using standard electrophoretic procedures. Available as standard Low EEO, High Resolution PCR grade, Low melting point and Instant agarose tablets.



CleverGEL agarose is suitable for analysis of nucleic acids using standard electrophoretic procedures. It is manufactured by a process which excludes organic solvents harmful to marine life, making them far kinder to the environment than conventional agarose. A low EEO (electroosmotic) flow minimises diffusion so that even the smallest of nucleic acid fragments remains sharp and tightly resolved.

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### KEY FEATURES

#### CleverGel Low EEO agarose:

- Ideal for routine analytical electrophoresis and blotting of DNA and RNA 0.1-10Kb in size
- Low EEO
- High gel strength

#### CleverGel High Resolution – PCR grade:

- High Resolution
- Low background for analysis of fragments 20-800bp

#### CleverGel Low Melting Point:

- Used for nucleic acid recovery
- typically resolves fragments 200bp to 25Kb

#### CleverGel Instant Agarose Tablets:

- Faster and simpler to prepare
- Low EEO
- Consistent gel percentage



Instant Agarose Tablets

### TECHNICAL SPECIFICATIONS

	Low EEO	Low Melting Point	High Resolution	Instant Agarose
CAS	9012-36-6	39346-81-1	39346-81-1	9012-36-6
Gelling Point*	36°C±1.5°C	26-30°C	≤33°C	36°C±1.5°C
Melting Point*	88°C±1.5°C	≤65°C	≤70°C	88°C±1.5°C
Solubility	clear, colourless @ 1% [w/v] solution	clear, colourless @ 2% [w/v] solution	clear, colourless @ 2% [w/v] solution	clear, colourless @ 1% [w/v] solution
Moisture	≤10%	≤10%	≤10%	≤10%
Gel Strength	>1200 g/cm <sup>2</sup> (1% [w/v] gel)	>200 g/cm <sup>2</sup> (1% [w/v] gel)	≥750 g/cm <sup>2</sup> (1.5% [w/v] gel)	>1200 g/cm <sup>2</sup> (1% [w/v] gel)
Nuclease & Protease Free	yes	yes	yes	yes

\*For a 1.5% [w/v] gel

### ORDERING INFORMATION

GENERAL PURPOSE		LOW MELTING POINT	
CSL-AG5	Agarose 5g, Low EEO	CSL-LMA5	Agarose 5g, LMP
CSL-AG100	Agarose 100g, Low EEO	CSL-LMA50	Agarose 50g, LMP
CSL-AG500	Agarose 500g, Low EEO	CSL-LMA100	Agarose 100g, LMP
CSL-AG1000	Agarose 1000g, Low EEO (2x500g bottles)	HIGH RESOLUTION PCR-GRADE	
CSL-AG2000	Agarose 2000g, Low EEO (4x500g)	CSL-HRA5	Agarose 5g, HR
CSL-AG5000	Agarose 5000g, Low EEO (10x500g)	CSL-HRA100	Agarose 100g, HR
CSL-AG10KG	Agarose 10Kg, Low EEO (20x500g)	CSL-HRA500	Agarose 500g, HR
AGAROSE TABLETS			
CSL-AGTAB	Agarose 100g, Low EEO (200x 0.5g tablets, supplied as 20 blister packs of 10x 0.5g tablets)		