

SuperCern Agarose LE

Cat#: 8022011

[Product name]

SuperCern Agarose LE

[Model & Size]

Product Name	Cat No.	Size
SuperCern Agarose LE	8022011	100 g

[Product Description]

SuperCern Agarose LE is a high-purity low electroosmosis multi-purpose agarose that has better molecular sieve effect and gel clarity than standard agarose.

This product can be used for electrophoresis analysis, imprinting and recovery of nucleic acids, and can also be used as one of the formulations of solid culture media.

This product is a white powder and does not contain nuclease, protease, or endonuclease. The gel produced has the characteristics of high resolution and low background.

Gelling Temp(1.5%):34.5°C-37.5°C, Moisture: ≤10%, Sulfate: ≤0.15%,

Gel strength(1%): 1200g/cm², Dnase/RNase: None Detected.

[Storage And Transportation]

Store dry at 2°C~30°C, valid for 5 years.

Transported on room temperature.

[Instruction]

1. This product is often used to prepare nucleic acid analysis gels. According to the gel production volume and gel concentration, add an appropriate amount of electrophoresis buffer and agarose powder to the Erlenmeyer flask (the total liquid volume should not exceed 50% of the Erlenmeyer flask capacity).

2. Heat and dissolve the agarose in the microwave, keep the glue solution boiling for about 30 seconds, wear heat-proof gloves and carefully shake the Erlenmeyer flask, and heat the undissolved particles again for 10 to 30 seconds until the agarose is completely dissolved. It is necessary to ensure that the agarose is fully dissolved, and the completely dissolved agarose gel will be clear and transparent.

3. After the glue solution has cooled to about 60°C, you can choose to add nucleic acid dye to a final concentration of 1X and mix thoroughly. For gel dyeing, it is recommended to use SpectGreen Nucleic Acid Gel Dye (10,000×) or SpectRed Nucleic Acid Dye (10,000×) (Cat .No.8062011).

4. Pour the agarose gel into the mold and insert a comb. The gel thickness is generally 3mm~5mm.








5. Allow the gel to solidify at room temperature for approximately (30~60) minutes, and then place it in an electrophoresis tank for electrophoresis. If the gel is not used immediately, please wrap the gel with plastic wrap and store it at 2°C~8°C. It can generally be stored for 2~5 days.

Table 1. Agarose concentration and DNA separation range

Gel concentration (W/V)	Ideal separation range (bp)	Ideal electrophoresis solution
0.8%	800~22,000	TAE
1.0%	500~ 10,000	TAE/TBE
1.2%	400~ 7,000	TAE/TBE

1.5%	250~ 5,000	TAE/TBE
2.0%	150~3,000	TBE

[Description Of Product Symbol]

Product Symbol	Description	Product Symbol	Description
	Catalog Number		Batch Code
	Date of Manufacture		Manufacturer
	Use-by Date		Temperature limit
	Consult instructions for use		

[Company Information]

Manufacturer and after-sales service unit Name: Shenzhen Dakewe Bio-engineering Co., Ltd.

Website: www.dakewe.com

Telephone: (86-755) 86235300

Email: RD@dakewe.com

Address: Room 702-703, Building No.1, Shenzhen Biomedicine Innovations Industrial Park, No.14 Jinhui Road, Kengzi Street, Pingshan District, Shenzhen, China

After-sales service telephone: (86-755) 86235300

Zip Code: 518122