

REAGENTS FOR BIOTECHNOLOGY

Agarose



Features

- Easy dissolution and rapid gelling
- Excellent transparency and low background staining gives clear band visibility
- Sharp and well defined bands
- Very low DNA binding

Product description

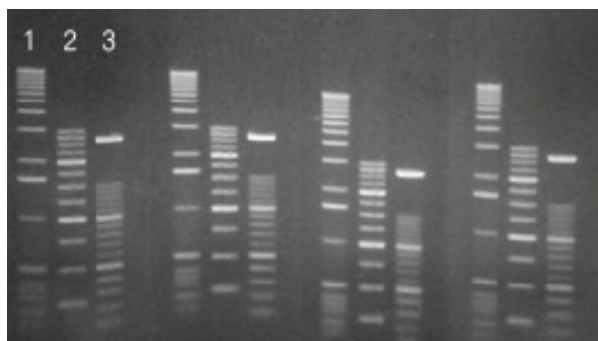
Medicago's agarose is ideal for routine separation of RNA and DNA fragments and PCR products. It has high gel strength even at low concentrations, so use rates are 0.75 - 2 %. It is effective in blotting and in separations of nucleic acid fractions from 250 bp to 23 Kb.

Applications

- Nucleic acid electrophoresis
- Separation of PCR products
- Preparation of plasmids
- Screening, cloning and blotting techniques

Specifications

Ash content	≤ 0.45%
Sulphate	≤ 0.1%
Clarity	≤ 4 NTU
Gel Strength 1% (g/cm ²)	≥ 1000
Gel Strength 1.5 % (g/cm ²)	≥ 2200
Gelling Temperature 1.5 % (°C)	36 ± 1.5 °C
Melting Temperature 1.5 % (°C)	88 ± 1.5 °C
DNase/ RNAse activity	None



Medicago Agarose 1 Agarose 2 Agarose 3
Lane 1: 1 kb ladder, Lane 2: 250 bp ladder, Lane 3: 100 bp ladder

Protocol - Preparation of 1% agarose gel

1. Weigh out 0.5g agarose into a 250 ml conical flask. Add 50 ml of 0.5x TBE buffer (Medicago 12-9110-10) and swirl to mix.
2. Microwave 1 min to dissolve the agarose. Leave for a few minutes at room temperature until the temperature is decreased to 60°C.
3. Add 1µL of ethidium bromide (10mg/mL) and swirl to mix.
4. Pour the gel slowly into the tank. Push any bubbles away to the side using a disposable tip. Insert the comb and double check that it is correctly positioned.
5. Leave to set for at least 30 minutes. The gel is then ready to use.

Shipping and storage

Agarose is shipped at room temperature. Store the product in a dry, cool place.

Certifications

Medicago's laboratories and manufacturing site in Uppsala are ISO 9001:2008 and ISO 13485:2003 certified. Each stage of the manufacturing process is controlled and monitored by stringent quality control procedures to guarantee the highest possible quality and lot-to-lot reproducibility.



Ordering information

Article no.	Product name	Pack size
16-0027-500	Agarose	500 g
16-0027-100	Agarose	100 g