

Biozym ME Agarose

Introduction

Biozym ME Agarose is an ideal choice for serum protein electrophoresis and immunoelectrophoresis with a medium electroendosmosis. It shows an excellent transparency of the gel. It is easy to prepare and offers an extraordinary mechanical resistance for reliable and easy handling.

Biozym ME is also suitable for DNA electrophoresis

Biozym ME Agarose has no detectable DNase or RNase activity.

Specifications

Moisture:	≤ 10%
Electroendosmosis:	0.16-0.19
Sulphate:	≤ 0.2%
Gel Strength 1%:	≥ 1000 g/cm ²
Gelling Temperature 1.5%:	36 ± 1.5 °C
DNase/ RNase activity:	None detected

Applications

- Nucleic acids electrophoresis. Protein electrophoresis (serum protein and immunoelectrophoresis)

Precautions

Please refer to Material Safety Data Sheet for safety and handling information. Always wear eye protection when dissolving agarose and guard yourself and others against scalding solutions.

Microwave Instructions for Agarose Preparation

- Choose a beaker that can hold 2-4 times the volume of the desired solution.
- Add room temperature 1X or 0.5X electrophoresis buffer and a stir bar to the beaker.
- Slowly sprinkle in the agarose powder into the liquid while rapidly stirring to prevent clumping.
- Remove the stir bar if not Teflon[®] coated.
- Weigh the beaker and solution before heating.
- Cover the beaker with plastic wrap and pierce a small hole in the wrap for ventilation.
- Heat the beaker in the microwave oven on high power until bubbles appear.
- Remove the beaker from the microwave oven. Caution: Any microwaved solution may become superheated and foam over when agitated.
- GENTLY swirl the beaker to resuspend any settled powder and gel pieces and reheat the beaker on high power until the solution comes to a boil. Hold at boiling point for until all of the particles are dissolved (approx. 1 minute).
- Remove the beaker from the microwave oven. and GENTLY swirl the beaker to thoroughly mix the agarose solution.
- After dissolution, add sufficient hot distilled water to obtain the initial weight and mix thoroughly.
- Cool the solution to 50°C-60°C prior to casting.

Hot Plate Instructions for Agarose

Preparation

- Choose a beaker that can hold 2-4 times the volume of the desired solution.
- Add room temperature 1X or 0.5X electrophoresis buffer and a stir bar to the beaker.
- Slowly sprinkle in the agarose powder into the liquid while rapidly stirring to prevent clumping. Weigh the beaker and solution before heating.
- Cover the beaker with plastic wrap and pierce a small hole in the wrap for ventilation.
- Bring the solution to a boil while stirring.
- Maintain gentle boiling until all the agarose is dissolved (approximately 10 minutes).
- Add sufficient hot distilled water to obtain the initial weight.
- Mix thoroughly and cool the solution to 50°C-60°C prior to casting.

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Ordering Information

Catalog No.	Size
840011	25 g
840010	125 g
840014	500 g

Contact

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or visit our website at

www.biozym.com

For Research Use.

Not for use in *In-Vitro* Diagnostic

Procedures.