

Data sheet

Agarose LM (Low melting point)

Cat. No: AG011

Cat. No: AG012

Introduction

Agarose LM is agarose chemically modified in which hydroxyethyl groups have been introduced into the agarose molecule. This substitution causes the agarose to gel at 30°C and to melt at 65°C. The lower gelling temperature ensures the agarose will be in a liquid state at a temperature range where "in-gel" manipulations can be performed without prior extraction of the DNA or RNA from the gel slice. Also, the properties of low melt agarose promote quick and thorough digestion of gel slices during extraction procedures. Agarose LM has low EEO (electroendosmosis, ≤ 0.12), allowing for sharp DNA banding and high resolution.

Specifications:

- ✓ Appearance: White, fine, homogeneous, free flowing.
- ✓ Electrophoresis grade
- ✓ Melting Point (1.5%) ≤ 65.5 °C
- ✓ Gel strength (1.5%): ≥ 500 g/cm²
- ✓ Gelling temperature (1.5%): 24-28°C
- ✓ Sulphate: $\leq 0.12\%$
- ✓ EEO (pH 8.4, Wieme Method) ≤ 0.12
- ✓ Ash: $\leq 0.4\%$
- ✓ Guaranteed to be free of DNA binders, inhibitors, DNases, and RNases.

Kit Contents

	AG011	AG012
Agarose LM	50g	100g

Storage and Stability

Store the agarose at room temperature.
Protect from moisture. Light Sensitive.

Applications:

- ✓ Conventional and preparative electrophoresis of nucleic acids in a 100–10.000 bp range, with best results obtained for fragments above 1kb.
- ✓ Recovery of high quality RNA and DNA after electrophoretic separation
- ✓ Direct enzymatic manipulations in the dissolved agarose gel

PRODUCT USE LIMITATION

This product is developed, designed and sold exclusively for research purposes and in vitro use only. The product was not tested for use in diagnostics or for drug development. Please refer to www.canvaxbiotech.com for Material Safety Data Sheet of the product.

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