PUREGENE

AGAROSE LM

(Low Melting)

Cat. No: PG-5180

Low Melting (LM) Agaroses are derivatized by organic synthesis which generates methoxylate groups from the basic agarose structure. The main properties of these agaroses are their low melting and gelling temperatures when compared with standard agaroses.

The low melting temperature allows for the recovery of undamaged nucleic acids below the denaturation temperature. The low gelling temperature ensures that 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 from the gel slice.

FEATURES

- ✓ *Lower gel strength than standard agaroses. Even so, gels can be handled easily.*
- ✓ *Higher clarity (gel transparency) than gels of standard agaroses.*
- ✓ *Greater sieving capacity.*

APPLICATIONS

- Electrophoresis of DNA fragments 1000 bp.
- Tissue and cell culture.
- Viral plaque assays.

SPECIFICATIONS & FUNCTIONAL TESTS

* EEO (electroendosmosis)

	LM
Moisture	≤ 10%
Ash	≤ 0.4%
EEO*	≤ 0.12
Sulfate	≤ 0.12%
Clarity 1.5% (NTU)	≤ 4
Gel Strength 1.5% (g/cm^2)	≥ 500
Gelling Temperature 1.5% (°C)	24-28
Melting Temperature 1.5% (°C)	≤ 65.5
DNAse/RNAse activity	None detected
DNA resolution ≥1000 bp	Finely resolved
Gel background	Very low

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