

Agarose LM



Molecular Biology Grade

for applications requiring low gel/melt temperature

Description:

Low Melting (LM) Agarose is a low melting temperature agarose with the highest resolving capacity for large DNA fragments, ≥ 1000 bp, including PCR products.

Low melting temperature allows for the recovery of undamaged nucleic acids below denaturation temperature. Low gelling temperature ensures In-Gel applications can be performed in remelted agarose, avoiding difficult DNA extraction steps.

LM Agarose is ideal for digestion by agarose enzymes, which makes it very easy to recover large DNA fragments suitable for cloning or enzymatic processing.

Applications:

- Electrophoresis of DNA fragments ≥ 1000 bp
- In-Gel enzymatic processing (digestion, ligation, PCR)
- Preparative electrophoresis
- Tissue and cell culture
- Analysis and recovery of large DNA fragments for further applications

Features:

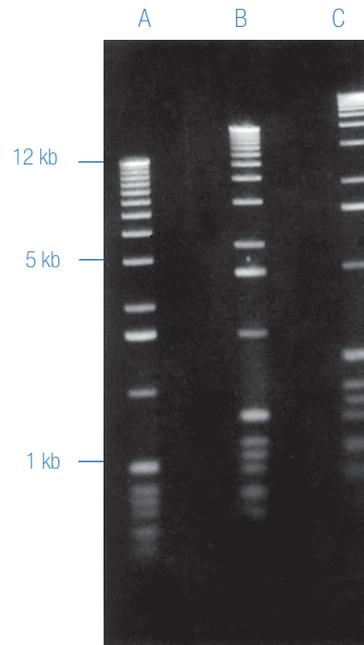
- DNA resolution: bands appear sharp and finely resolved
- DNase/RNase activity: none detected
- DNA binding: none detected
- Gel background: very low after EtBr staining

Storage:

Store in a dry place at 15-25°C

Ordering information:

| Cat # | Product | Qty. |
|------------|------------|-------|
| A-1300-25 | AGAROSE LM | 25 g |
| A-1300-100 | AGAROSE LM | 100 g |



ABT Agarose LM at different concentrations.
A-0.75%, B-1% and C-1.25%.
Marker: 1kb ladder, 0.5 μ g/lane.

Running conditions:
1X TAE buffer, 4,5V/cm, 2
hours 30 min.

TECHNICAL SPECIFICATIONS

| | |
|-------------------------------|------------------------------|
| EEO (Electroendosmosis) | ≤ 0.12 |
| SULFATE | $\leq 0.12\%$ |
| GEL STRENGTH 1.5% | ≥ 500 g/cm ² |
| GELLING TEMPERATURE | 24 - 28 °C |
| MELTING TEMPERATURE | ≤ 65.5 °C |
| DNase/ RNase ACTIVITY | None detected |
| DNA RESOLUTION ≥ 1000 bp | Finely resolved |
| GEL BACKGROUND | Very low |
| DNA BINDING | Very low |