

ABT Agarose LM



Molecular Biology Grade

for applications requiring low gel/melt temperature

Description:

ABT 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.

ABT 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:

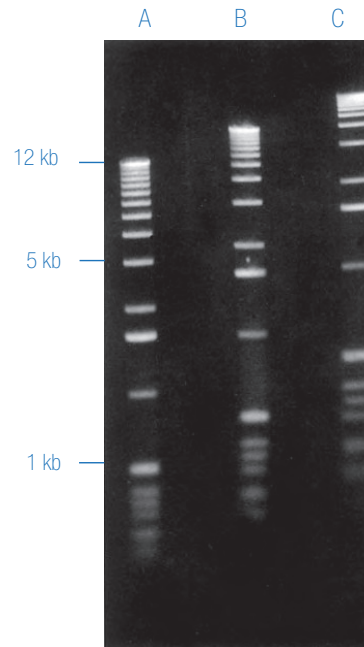
- DNA resolution: bands appear sharp and finely resolved
- DNase/RNase activity: none detected
- DNA binding: none detected
- Gel background: very low after EtBr staining

Storage:

Store in a dry place at 15-25°C

Ordering information:

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

