

Agarose LM, Low Melting, 100g**PG-5180-100G**

Agarose LM (Low Melting) is a specialized agarose designed for molecular biology applications requiring recovery of nucleic acids from gels. It exhibits a significantly lower gelling and melting temperature than standard agarose, allowing efficient extraction, purification, and manipulation of DNA and RNA while minimizing thermal damage to nucleic acids.

	Details
Product Name	Agarose LM (Low Melting)
Description	High-purity low melting agarose optimized for nucleic acid separation, gel extraction, cloning, PCR product recovery, and enzymatic applications.
Molecular Weight	Not Applicable (polymeric substance)
Appearance	White to off-white powder
Molecular Formula	Polysaccharide derived from agarobiose units
Solubility	Soluble in hot water; forms a transparent gel upon cooling
Gelling Temperature	Approximately 24–28°C
Melting Temperature	Approximately 65–70°C
Gel Strength	Typically lower than standard agarose
CAS Number	9012-36-6
Storage Condition	Store at 15–30°C in a dry place. Keep container tightly closed and protect from moisture.
Applications / Uses	Used for DNA and RNA electrophoresis, gel extraction, cloning, PCR product purification, recovery of nucleic acids, enzymatic reactions within gels, and molecular biology research.

Safety

Generally considered non-hazardous under normal laboratory conditions. Avoid inhalation of dust and contact with eyes. Use standard laboratory PPE including gloves, lab coat, and safety glasses.