Agar, Bacteriological Grade

Product information

Product Description

High-Purity Agar Powder is produced from *Gelidium algae*. Composed of a refined blend of agarose and agaropectin, it features low gelation temperature, high transparency, no precipitation, easy handling, and stable performance. This product is suitable for use in microbial culture media, immobilized enzyme carriers, microbial encapsulation materials, and various biochemical substance carriers. Additionally, it serves as a thickening agent, gelling agent, suspending agent, emulsifier, stabilizer, and preservative.

Key Solvability & Performance:

- Premium agar extracted from *Gelidium algae* offers lower gelling temperature (34-36°C) and higher gel strength.
- Temperature Responsive: Remains insoluble in cold water but achieves full solubility in boiling water (with slow dissolution in hot water).
- Optimal Working Range: Designed for high-performance results at concentrations of 6–25 g/L.
- Standard Preparation: Recommended dosage for routine microbial and plant histoculture media is 1.5% to 2.0%.

Storage and Handling

- Shipping: Suitable for transport at ambient room temperature.
- Storage: Maintain in a cool, dry environment to ensure stability. Do not use this product if it is lumpy.
- Shelf Life: Valid for 36 months from the date of manufacture when stored under recommended conditions.

Protocol:

Prepare the microbiological media in the amount of 15-20 g/L according to the media formulation.

Safety Information:

Always wear appropriate lab coat, gloves and googles. Please consult the Material Safety Data Sheet (MSDS) for more information.

This product is intended for research only.

Product Description	Catalog No.
Agar, Bacteriological Grade (500 g)	AGAR-500
Agar, Bacteriological Grade (1 Kg)	AGAR-1KG
Agar, Bacteriological Grade (5 Kg)	AGAR-5KG

Luna Nanotech
Nano for Bio

Luna Nanotech Inc.
85 Citizen Court, Unit 13
Markham, ON, Canada
L6G 1A8

Email: info@lunanano.ca
Phone: 1-800-474-4055
Web: www.lunanano.com