

Bacteriological Agar

#GCM25.0500 (500g)
(FOR RESEARCH ONLY)



Product: European Bacteriological Agar is a natural hydrocolloid extracted from algae belonging to the Rhodophyta phylum (red algae), including *Gelidium*, *Pterocladia*, and *Gracilaria* spp. Bacteriological Agar is a mixture of linear polysaccharide agarose and agaropectin molecules, and serves as a gelling agent for the preparation of solid culture media and other microbiological applications. Main advantages of this particular agar are the absence of growth inhibitors of microorganisms, its excellent transparency, and high hysteresis.

In comparison with American Bacteriological Agar, European Agar used at the same concentration results in higher gel strength.

Quantity: 500g

Chemical Characteristics:

Water content:	Max: 12%
Ash content:	Max: 5%
Gel Strength (1.5%):	800-1100 g/cm ²
Melting point (1.5%):	85-90°C
Gelling point (1.5%):	34-38°C
Transparency (1.5%):	Max: 8 NTU
Particle size:	95% over sieve 60
pH (1.5%):	6.0-7.5

Appearance: White/Beige powder.

Quality Control:

Each batch is thoroughly tested for biological performance against a wide range of bacterial cultures to ensure absence of inhibitors and proper growth characteristics.

Storage: 2°C – 25°C. When not in use, keep container closed to avoid hydration.