EUROPEAN BACTERIOLOGICAL AGAR

AGAG-00P-500

- **Principle**

Bacteriological agar is a gelling agent used in the preparation of culture media and in other bacteriological applications. Its main advantage is the absence of inhibitors which could hinder optimal development of microorganisms. In addition, bacteriological agar also possesses other attributes such as transparency, high hysteresis and very reliable reproducibility. Bacteriological agar European Type has higher gel strength and is used in concentrations from 1.0% to 2.0%. Each batch produced by us is thoroughly tested for biological performance against a battery of known bacterial cultures in order to ensure proper growth characteristics and absence of inhibitors. Also, other tests are carried out to be certain that each batch meets established physical and chemical specifications.

- **Regulatory compliance**

This product is manufactured under a quality management system in accordance with ISO 9001 and ISO 13485, and its formulation and quality control comply with applicable international standards, such as ISO 11133, where relevant.

- **Physical-chemical characteristics**

Description	**Specification**
Loss on drying	≤12%
Ash	≤5%
Gel strength (Nikan method at 1.5% at 20 °C)	800 - 1100 g/cm^2
pH (1.5%) before autoclaving	6.0 - 7.5
pH (1.5%) after autoclaving	6.0 - 7.5
Melting point (1.5%)	85 - 90 °C
Turbidity before autoclaving (1.5%)	≤8 NTU
Particle size	>95 % 60 mesh
Gelling point (1.5%)	34 - 38 °C
Colorimetry before autoclaving (450 nm)	≤0.25
Colorimetry after autoclaving (450 nm)	≤0.30
Turbidity after autoclaving (1.5 %)	≤8 NTU

- **Storage**

The product is highly hygroscopic; keep the container always closed and store it properly as per the conditions mentioned on the label. The declared expiry is valid only when stored as per the conditions mentioned on the label. Temp. Min.:2 °C Temp. Max.:25 °C.

Note: Sterilize media immediately after reconstitution.

- **Product use limitation**

This product is developed, designed and supplied exclusively for research use only. It is not intended for diagnostic applications or drug development, and it is not suitable for administration to humans or animals.