

### European Bacteriological Agar

Cat. No. MM-M-800

Gelling agent for culture media.

#### Principles and uses:

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.

#### 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 <sup>2</sup> |
| 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%)         | <=8NTU                     |
| 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 %)         | <=8NTU                     |

#### Storage:

Temperature: 2°C - 25°C