

# Agar Bacteriological



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## • PHYSICO-CHEMICAL CHARACTERISTICS

	Standard
Gelification point	33 - 38 °C
pH	6.5 ± 1.0
Loss on drying	< 11.0 %
Ash	< 6.5 %

## • INTERPRETATION

Agar Bacteriological is used as gelificant agent in culture media prepared as well as in bacterial growth and propagation of vegetable tissue in vitro. Agar Bacteriological is a purified agar from which the extraneous matter, pigmented portions and salts have been removed or reduced to a minimum. It is an hydrosoluble extract from red algae and can be used as a solidifying agent in bacteriological culture media or for determining motility and growth of anaerobes and microaerophiles. 1.5% acqueous solution supplies solid gel at temperature of 35°C because agar does not melt at temperature lower than 85°C. The addition of such amounts of agar to liquid media permits all degrees of oxygen tension to exist, thus aids in the development of many fastidious aerobic and anaerobic organisms.

## • TECHNIC

Agar Bacteriological can be used as an ingredient of dehydrated culture media and need dissolution in distilled or deionized water and sterilization by autoclaving.

## • QUALITY CONTROL FOR USE

### Dehydrated powder

Appearance: free-flowing, homogeneous

Color: beige

## • STORE

The powder is very hygroscopic. Store the powder at room temperature, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration are evident.

## • PACKAGE

Cat. No : MB-A1651 Agar Bacteriological	500 G
Cat. No : MB-A1651-5kg Agar Bacteriological	5 KG