



AGAR BACTERIOLOGICAL

Purified solidifying agent for microbiological culture media.



INTENDED USE

Solidifying agent used in the preparation of microbiological culture media.
For laboratory use only.

DESCRIPTION

Agar-agar is a polysaccharide obtained from marine seaweed of the *Rhodophyceae* family through an extraction process that results in a fine homogeneous powder. Bacteriological agar is the essential gelling agent in the preparation of culture media for microbial growth. The main advantage of this special type of agar is the absence of contaminants that can inhibit the optimal growth of microorganisms, along with its exceptional transparency and lot to lot consistency. This type of agar undergoes strict controls to guarantee its superior quality and excellent consistent performance. Thanks to its high degree of purity it gives clear aqueous solutions at the concentrations used in culture media (13-15 g/l).

TYPICAL ANALYSIS

Appearance of powder	White-yellowish, fine, homogeneous hygroscopic powder
Appearance of 1.3% solution	Yellowish, limpid
Water absorption (5 g/100ml)	> 25 ml
Sieve analysis (ASTM) - over sieve	
60 mesh	< 5%
325-400 mesh	< 10%
% H ₂ O	< 10%
Ash	< 5%
BEFORE AUTOCLAVING:	
Clarity 1,5% solution	< 15 NTU
Colorimetry 450 nm 1,5% solution	< 0,250 Nmu
pH 1,5% solution	6.0 - 7.5
Gel strenght (Nikkan)	> 750 g/cm ²
Gelling temperature (1.5% solution)	30 - 40 °C
Melting temperature (1.5% solution)	80 - 90 °C
Performances in microbiological culture media	passes test



Biolife

Technical Sheet

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STORAGE CONDITIONS

Keep tightly closed, away from bright light, in a cool dry place (+10°C to 30 °C and <60% RH).

PACKAGING

4110302	Agar Bacteriological,	500 g
4110304	Agar Bacteriological,	5 kg