

FT-291901

AGAR, for culture media

. A high purity agar gelling matrice, ideal for cell culture preparation (i.e. bacteria).

Product Description

Name : **AGAR, for culture media**

Syn.: bacteriological agar, Agar-agar, Agar,
Gum agar, Bengal gelatin

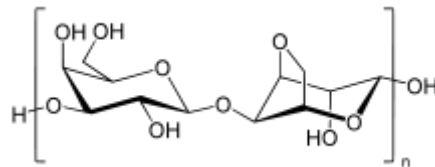
Catalog Number : 291901, 500g

European bacteriological grade

N1457A, 500g

America bacteriological grade

Structure : CAS: [9002-18-0]



Storage: Room temperature (z)
Protect from light and moisture
Once opened keep powdered medium closed to avoid hydration.

USES

Agar (also said agar-agar) is a natural gelatinous substance derived from algae or seaweed. It is extracted as a hydrocolloid from several species of red algae, mainly the *Gelidium*, *Gracilaria* and *Pterocladia* types.

Agar is a mixture of two unbranched polysaccharidic components, with galactose subunits : the linear polysaccharide agarose, and a heterogeneous mixture of smaller molecules called agaropectin.

Our **Bacteriological Agar** is a gelling agent used in the preparation of culture media and other bacteriological applications. The main advantage of this agar is the absence of inhibitors, which could interfere in the micro-organisms growth. It has excellent transparency, high hysteresis and very reliable reproducibility. Each batch produced is thoroughly tested for biological performance against a battery of known bacterial cultures in order to ensure proper growth characteristics and absence of inhibitors. **European Bacteriological Agar** type gives higher gel strength than the American version N1457A. Both are used in concentrations from 1.2% to 1.6%.

HANDLING AND STORAGE

Avoid moisture.
Once opened keep powdered medium closed to avoid hydration.

GUIDELINES FOR USE

A solidifying agent typically used at concentrations of 1-2% in solid media preparations for the growth of bacteria and fungi.

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CHEMICAL CHARACTERISTICS

	European grade 290191	American grade N1457A
Appearance :	White cream powder	White cream powder
Loss on drying :	Less than 10%	Less than 10%
Ashes :	≤ 4.5%	≤ 6.5%
Gel strength (1.5%, Nikan) :	800 – 1100 g/cm²	600 – 750 g/cm ²
pH (1.5%) before autoclaving :	7.0 ± 0.4	7.0 ± 0.4
pH (1.5%) : after autoclaving	6.5 ± 0.4	6.5 ± 0.4
Melting point (1.5%) :	85 ± 5°C	85 ± 5°C
Gelling point (1.5%) :	35 ± 3°C	35 ± 3°C
Transparency (1.5%) :	≤ 12 NTU	≤ 12 NTU
Colorimetry (absorbance) :430 mm	≤ 0.200	≤ 0.200
Particle size :	95 % Over sieve 60	95 % Over sieve 60

MICROBIOLOGICAL TEST

Standard plate count :	Less than 3000 /g	Less than 3000 /g
Yeasts and molds :	Less than 100 /g	Less than 100 /g
Coliforms :	Less than 3 /g	Less than 3 /g
E-coli :	Negative	Negative
Salmonella :	Negative	Negative

Related / associated products and documents

- [Cell Culture Media Components](#) ^[PL]

e.g. Agar #291901, Terrific Broth #82111A, NZCYM Broth # N1473b, Marine Broth #-A2WT30, Brain Heart Infusion Broth JI0611, TCBS Agar #CJ2382, ...

- Other cell culture and assay reagents

[FT-N68091](#) Accumax, cells clumps dissociation reagent

[PH-BE007a](#) CosiGel & CosiMatrix 3D Cell Culture

See [Product highlights](#), [BioSciences Innovations catalogue](#) and [e-search tool](#).

Ordering information

For any information, please ask at uptima@interchim.com or at Uptima / Interchim; Hotline : +33(0)4 70 03 73 06

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