

# Agar Agar (Bacteriological Grade) Manufacturing Industry

## Description:

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***Bacteriological Grade for Culture Media, Pharmaceutical Industry, Dairy Products, Air Freshener Gel, Dentistry and Food Grade***

Agar-agar belongs to the family of galactan polysaccharides. Galactan polysaccharides are complex linear sugar polymers containing 22 galactose molecules. It is present in the cell walls of Rhodophyceae class of red algae. Agar is produced in several species of marine algae found across the globe. Most commercial agar-agar is extracted from Gelidium and Gracilaria species. Other commonly used species include Pterocladia and Gelidiella.

Bacteriological grade agar is used in clinical applications, auxotrophic studies, bacterial and yeast formation studies, bacterial molecular genetics applications as well as in mammalian and plant tissue cultures. Agars are used in final concentrations of 1-2% for solidifying culture media. Smaller quantities of agar (0.05-0.5%) are used in culture media for motility studies (0.5% w/v) and growth of anaerobes (0.1 %) and microaerophiles.

Agar-agar is a unique natural hydrocolloid obtained from the red seaweeds of Gelidium and Gracilaria. These gels are considered more compact and resistant as compared to other gelatin or carrageenan gels. The product's gel strength is also considerably higher as compared to gelatin. The product also eliminates the need for the addition of any foreign substance such as acids, sugar, proteins and cations for optimizing food texture or flavor.

**For more details download PDF File,.**

**Keywords:** Bacteriological Grade Agar, Agar Bacteriological Grade, Agar Agar, Bacteriological Grade, Agar Agar Bacteriological Grade, Agar Agar Manufacture, Industrial Agar Agar, Manufacturing Food Grade Agar Agar, Bacteriological Agar?, Industrial Production of Agar Agar, Bacteriological Grade Agar Agar Manufacturing Plant, Preparation of Agar-Agar, Agar Bacteriology Grade, Process for Producing Agar-Agar, Agar Agar Food Grade, Agar Powder (Bacteriological Grade), Agar Agar Production, Applications, Produ

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