



Cyrusbioscience

Agar, plant Tissue Culture Grade

Product No.: 3011

Description:

Agar is produced from a family of red seaweeds (*Rhodophyceae*) primarily from two genera, *Gelidium* and *Gracilaria*. It is a mixture of agarose and agaropectin. This product is produced from *Gracilaria* which has higher gel strength than those from *Gelidium*. However, in the 1950's it was discovered that pre-treatment of the seaweed with alkali before extraction lowered the yield but gave an agar with higher gel strength.

Agar is by far the most common gelling agent used in plant tissue culture. It is used at a wide range of concentrations from 6 g/L for a slightly firm gel to 10 g/L for a brick-like gel; however, 6-8 g/L is the more commonly used range.

Applications:

Tissue culture for orchids, vegetables, ornamental plants, fruits and other agricultural products.

Specification:

Clarity: Clear

Moisture: <15%

Ash: <3% max

Gel Strength: 850 - 950 g/cm²

pH: 6.0 - 7.5

*Plant Tissue Culture Tested

Storage: Store at Room Temp.