

## > Bacteriological Agar

cat. no.	amount	note
STS-AGAR500	500g	powder
STS-AGAR1000	1Kg	powder
STS-AGAR5000	5kg	powder

Agar is a natural hydrocolloid extracted from several species of red algae, mainly the Gelidium, Gracilaria and Pterocladia types. High Strength Bacteriological Agar is a gelling agent specially designed for the preparation of culture media and other bacteriological applications, in which it is necessary to reduce the agar content maintaining the desired gelling properties. The main advantage of this agar is the high gel strength (typical 1,000 g/cm<sup>2</sup>) As other Agar types, it has absence of inhibitors, excellent transparency, high hysteresis and reliable reproducibility. It can be used for preparing media such as Thioglycollate fluid Media

### CHEMICAL CHARACTERISTICS

Appearance White Cream Powder

Mositure Less than 18%

Ashes  $\leq$  4.5%

Gel Strength (1.5%, Nikan) 900 – 1100g/cm<sup>2</sup>

pH (1.5) after autoclaving 6-8

Melting Point (1.5%) 86-98°C

Gelling Point (1.5%) 35  $\pm$  3°C

Transparency (1.5%)  $\leq$  30 NTU

Particle Size 95 % Over Sieve 60

### Microbiological TEST

Standard Plate Count Less than 5000/g

Yeast and Molds Less than 100/g

Coliforms Less than 3/g

E. Coli Negative

Salmonella Negative

### Solubility

Soluble in water.

### Storage

Store at room temperature.

FOR RESEARCH USE ONLY