growth media

GENESPIN

DATA SHEET

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> 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/cm2) 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 ≤ 4.5%
Gel Strength (1.5%, Nikan) 900 – 1100g/cm2
pH (1.5) after autoclaving 6-8
Melting Point (1.5%) 86-98ºC
Gelling Point (1.5%) 35 ± 3ºC
Transparency (1.5%) ≤ 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.

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