

PRODUCT INFORMATION

Standard Methods Agar

Cat. No. S19-113

DESCRIPTION

Standard Methods Agar conforms to APHA (American Public Health Association) and AOAC (Association of Official Analytical Chemists) specifications for the enumeration of bacteria in dairy, food and other sanitary materials. This formulation is also synonymous with Plate Count Agar and Tryptone Glucose Yeast Agar, also used in standard methods.

FORMULA (g/L)

Enzymatic Digest of Casein	5.0 g	Yeast Extract	2.5 g
Dextrose	1.0 g	Agar	15.0 g

Final pH: 7.0 ± 0.2 at 25 °C

*Grams per liter may be adjusted or formula supplemented to obtain desired performance.

PREPARATION

Mix 23.5 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring and boil for one minute to dissolve completely. Distribute and autoclave at 121°C for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing and light beige.
2. Visually the prepared medium is clear to slightly hazy, and light beige to medium amber.
3. Expected cultural response after 24-48 hours at 35 °C.

ORGANISM	RESULT
<i>Bacillus subtilis</i> ATCC 6633	Good Growth
<i>Escherichia coli</i> ATCC 25922	Good Growth
<i>Lactobacillus rhamnosus</i> ATCC 9595	Good Growth
<i>Staphylococcus aureus</i> ATCC 25923	Good Growth
<i>Staphylococcus epidermis</i> ATCC 12228	Good Growth

Streptococcus pyogenes ATCC 19615

Good Growth

STORAGE

Store the sealed bottle containing the dehydrated medium at 2 to 30°C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing or if the color has changed from the original color.