

PRODUCT INFORMATION

Standard Methods Agar

Cat. No. S19-113



ALPHA[™]
BIOSCIENCES

Date of Issue:
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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.

PREPARATION

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

Formula* per Liter:

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

Final pH: 7.0 ± 0.2 at 25°C

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

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, 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:

Staphylococcus aureus ATCC® 25923
Lactobacillus rhamnosus ATCC® 9595
Lactobacillus acidophilus ATCC® 11506
Streptococcus pyogenes ATCC® 19615

Result:

Growth
Growth
Growth
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.