



Actero™ Standard Methods Agar Product Information

Catalogue No.	Description
FCM-069	Actero™ Standard Methods Agar (500 G)
FCM-068	Actero™ Standard Methods Agar (2 KG)
FCM-067	Actero™ Standard Methods Agar (10 KG)

INTENDED USE

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* per Liter:

Casein Digest Peptone..... 5.0g
Glucose..... 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.*

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 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	Result
<i>Staphylococcus aureus</i> ATCC® 25923	Growth
<i>Lactobacillus rhamnosus</i> ATCC® 9595	Growth
<i>Lactobacillus acidophilus</i> ATCC® 11506	Growth
<i>Streptococcus pyogenes</i> ATCC® 19615	Growth

Storage Instructions:

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 light beige color..

