

PRODUCT INFORMATION

Your Smarter Culture Media Choice



Date of issue
8/07/14

APT Agar Cat. No. A01-101

DESCRIPTION

APT Agar or All Purpose Tween Agar is used for cultivating heterofermentative lactobacilli and other organisms requiring high thiamine content.

Formula* per Liter:

Yeast Extract	7.5g
Tryptone	11.0g
Dextrose	10.0g
Sodium Citrate	5.0g
Thiamine Hydrochloride	0.001g
Sodium Chloride	5.0g
Dipotassium Phosphate	5.0g
Manganese Chloride	0.14g
Magnesium Sulfate.....	0.8g
Ferrous Sulfate	0.04g
Polysorbate 80.....	0.2g
Agar.....	15.0g

Final pH: 6.7 ± 0.2 at 25°C

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

PREPARATION

Mix 59.70 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring 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 trace to light haze, light to medium amber.
3. Expected cultural response after 18-72 hours at 35 ± 2°C.

Organism:

Lactobacillus fermentum ATCC® 9338
Leuconostoc mesenteroides ATCC® 12291
Lactobacillus acidophilus ATCC® 4356

Result:

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 light beige color.