PRODUCT INFORMATION

Mitis Salivarius Agar

Cat. No. M13-117

YOUR MEDIA IS OUR CULTURE

ALPHA BIOSCIENCES

Date of Issue:
10/01/17

DESCRIPTION

Agar medium used for the selective isolation of Streptococcus mitis, Streptococcus Salivarius, and Enterococcus from heavily contaminated specimens.

Formula* per Liter:

Enzymatic Digest of Casein	15.0g
Peptic Digest of Animal Tissue	5.0g
Sucrose	50.0g
Dextrose	1.0g
Dipotassium Phosphate	4.0g
Trypan Blue	0.075g
Crystal Violet	0.0008g
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 90 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. Cool to 45-50°C and aseptically add 1 ml of a 1% Potassium Tellurite solution.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing and light bluish-beige.
2. Visually the prepared medium is clear to slightly hazy and dark royal blue.
3. Expected cultural response after 18-48 hours at 35°C after preparation with 1% Potassium Tellurite Solution.

Organism:	**Result:**
Escherichia coli ATCC® 25922	Inhibited
Streptococcus mitis ATCC® 49456	Growth, blue
Streptococcus mutans ATCC® 25175	Growth blue
Streptococcus salivarius ATCC® 7073	Growth, blue “gum drop” colonies

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.

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