PRODUCT INFORMATION

Dermatophyte Test Medium

Cat. No. D04-107

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DESCRIPTION

Dermatophyte Test Medium is based upon Taplin's et al. modification of a commercial formula, which included the addition of gentamicin, chlortetracycline, and cycloheximide. It is the preferred medium for the isolation of Microsporum, Trichophyton, and Epidermophyton. The medium readily detects rapidly growing dermatophytes by its red color change. Non-dermatophytes can be recognized by their inability to change the color of the medium. Some saprophytes, yeast, and bacteria are able to change the medium to red but can be distinguished by colonial morphology.

Formula* per Liter:

Papaic Digest of Soybean Meal	10.0g
Phenol Red	0.2g
Dextrose	10.0g
Cycloheximide	0.5g
Agar	20.0g

Final pH: 5.5 ± 0.2 at 25°C

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

PREPARATION

Mix 40.7 grams of the medium in 1 Liter of purified water until evenly dispersed. Heat with repeated stirring until boiling to dissolve completely. Autoclave at 121°C for 15 minutes. Cool to 45-50°C and aseptically add Gentamicin (0.1 g/L) and Chlortetracycline (0.1 g/L).

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing and light beige.
2. Visually the prepared medium is clear to slightly hazy and yellowish orange.
3. Expected cultural response after 10 – 14 days at 25°C.

Organism:	**Result:**
Microsporum canis ATCC® 36299	Yellow/orange, and velvety growth, with red reverse
Trichophyton mentagrophytes ATCC® 9533	Yellow/orange, and powdery growth, with red reverse
Staphylococcus aureus ATCC® 25923	Inhibited

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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