Dermatophyte Test Medium (D.T.M.)

BC20117

A medium for the detection of dermatophytic fungi which helps in the differentiation between saprophytic and environmental fungi.

Formula grams per litre

Balanced Peptone	10.0
Glucose	40.0
Bacteriological Agar	12.0
Phenol Red	0.2

pH: 5.5 +/- 0.2

Appearance: Yellow, clear gel.

Preparation

Suspend 62 grams of powder in 1 litre of deionised water. Allow to soak for 10 minutes then bring to the boil with frequent swirling. Dissolve 1 vial of Chloramphenicol S2209 in ethanol and add these to the agar, mix well and distribute into tubes or universal containers. Sterilise at 121^{o}C for 15 minutes, allow to cool in the sloped position.

Storage of Prepared Media

Slopes should be stored in the dark at 4-8^{o}C.Slopes should be used within 1 month.

Quality Control Organisms- Suggestions

Aspergillus sp.		
Trichophyton sp.		

Directions for use:

Inoculate surface plating or stab inoculation. Incubate at 22-25^{o}C aerobically for 10-14 days. Dermatophytes appear as fluffy colonies, colour varies with species, the medium is reddened. Fungi other than dermatophytes cause the medium to become yellow due to acid production. If incubation is prolonged the medium may become reddened. Yeasts appear as white creamy colonies. Blastomyces, Histoplasma and Coccidiodes may also turn the medium red, though these are rarely encountered in lesions associated with ring worm.

References

Taplin, D., Zaias, N., Rebell, G., Blank, H. 1969. Isolation and recognition of dermatophytes on a new medium. (DTM) Arch. Dermatol. 99: 203-209.