

Dermatofiti D.T.M.

Colour-changing selective medium for the detection of:

- MICROSPORUM CANIS
- MICROSPORUM GYPSEUM
- TRICOPHYTON MENTAGROPHYTES



PHOTO 1



PHOTO 2



PHOTO 3



PHOTO 4

SAMPLING

Use sterile tools (scissors, scalpels, tweezers, etc.). Take some material (hairs and scales) both from the centre and the edges of recent lesions.

To make sure that the sample also contains a portion of the intrafollicular part of the hair, gradually pull in the direction of the hair.

INOCULATION METHOD

Open the bottle.

Place the sampled material (hairs and scales) on the surface of the culture medium, making sure it touches it without scratching it.

In particular, make sure that the proximal and/or intrafollicular part of the hair is in contact with the medium. In case of very long hair, this may be cut: eliminate the distal part to facilitate inoculation.

Close the bottle by placing the cap on top of it, without screwing it in.

Keep the test away from direct sunlight and at a temperature between 20 and 30 °C, or place it in a thermostat at 25 °C.

READING THE RESULTS

Starting 48 hours after inoculation, check the tests on a daily basis.

The above-mentioned times may change based on the fungal load of the sample and the test incubation temperatures.

POSITIVE TEST FOR DERMATOPHYTES

2-10 days: the culture medium changes colour around the colony/colonies. These can be of varying sizes, are raised, have a cotton-like appearance and are white or cream coloured (see PHOTO 2).

NEGATIVE TEST FOR DERMATOPHYTES

2-10 days: no colour change in the culture medium. Possible presence of dark green, brown or black saprophytic colonies. Although the medium contains specific growth inhibitors, these colonies may develop because of the high pollution load in the inoculated sample (see PHOTO 4).

NOTE: after about 2-3 weeks since inoculation, and in the presence of saprophytic colonies, the medium may show a delayed change of colour and become red. However, this has no diagnostic relevance.

NEGATIVE TEST FOR DERMATOPHYTES, BUT INDICATIVE FOR CANDIDA

1-4 days: no colour change in the culture medium. Early development of a flat, white, glossy, translucent or waxy looking colony (see PHOTO 3).

NOTE: after 6 or more days since the appearance of the colony, the entire culture medium might show a slight change in colour. However, this has no diagnostic relevance for the detection of dermatophytes.

PACKING:

24-test box
12-test box
2-test box

STORAGE AND SHELF LIFE

The tests must be kept away from light sources and at a temperature below 25°C, or in refrigerator at 2-8°C.

The presence of condensation inside the bottle is normal. If correctly stored, the culture medium has a gelatinous texture, a smooth, homogeneous surface and is slanted (see PHOTO 1).

If the culture medium inside the bottle looks dehydrated with a cracked or wrinkled surface, it is no longer usable.

DISPOSAL OF USED TESTS

Inoculated tests shall be destroyed in an autoclave or using a similar waste disposal method.



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