Colorex™
Malassezia

For detection of *Malassezia* spp.

Colorex™
Ready to use plates made with the original CHROMagar™ powder base
For detection of Malassezia spp.

Background

Malassezia is a fungi naturally found on the skin of many animals, including humans. On normal healthy skin it does not cause infections, but when the environment of the skin is altered, Malassezia species are able to cause several cutaneous diseases as severe dermatitis or otitis (inflammation of the skin or ears respectively).

Medium Performance

EASY AND COLOURFUL DETECTION

Since members of the genus Malassezia share similar morphological and biochemical characteristics, the use of traditional culture media for differentiating them based on phenotypic features is not suitable. Colorex™ Malassezia was developed with the goal of facilitating not only their detection, but also to improve an algorithm for the differentiation of the most common species (see: Revised Culture-Based System for Identification of Malassezia Species, by Takamasa et al. JCM No-2007)

Typical Appearance of the colonies reported in the study:

Extracted from: «Revised Culture-Based System for Identification of Malassezia Species», by Takamasa et al. JCM No-2007)

Medium Description

<table>
<thead>
<tr>
<th>Powder Base</th>
<th>Total</th>
<th>56.3 g/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agar</td>
<td></td>
<td>15.0</td>
</tr>
<tr>
<td>Peptones and extracts</td>
<td></td>
<td>38.0</td>
</tr>
<tr>
<td>Chromogenic mix</td>
<td></td>
<td>2.8</td>
</tr>
<tr>
<td>Chloramphenicol</td>
<td></td>
<td>0.5</td>
</tr>
</tbody>
</table>

Storage at 15/30 °C - pH: 6.3 +/- 0.3
Shelf Life ............................................................ 3 years

Mandatory Supplements to the Powder Base (Not provided by Colorex):

- Glycerol .............................................................. 2 g
- Tween 40 ............................................................. 10 g

Usual Samples

Clinical and veterinary samples (skin, ear canals etc.)

Procedure

Direct Streaking. Incubation 72 h at 30-37 °C
Aerobic conditions.

M. pachydermatis CBS 1879 → large, pale pink & smooth
M. restricta CBS 7877 → small, pink & smooth
M. dermatis JCM1348 and JCM1340 → small, pale pink & smooth
M. albofiae CBS 7936 → large, pale pink & smooth
M. obtusa CBS 7876 → medium, pink & rough
M. globosa CBS 7966 → small, purple & smooth
M. sympodialis CBS 7222 → large, pale pink & smooth
M. furfur CBS 1878 → large, pale pink & wrinkled

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www.CHROMagar.com

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