BacterLab Division

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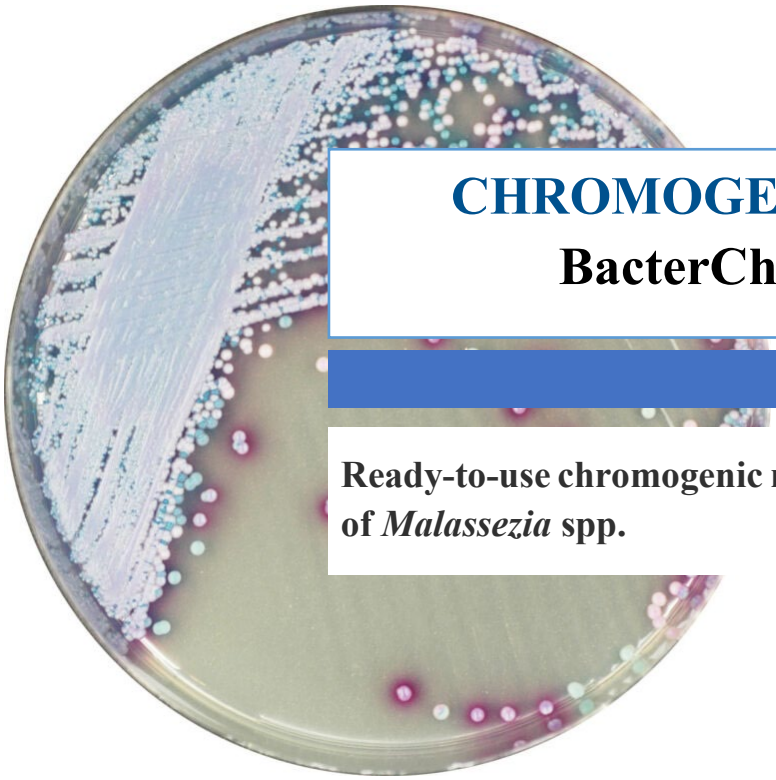

CHROMOGENIC AGAR MEDIUM

BacterChrom™ Malassezia

Ready-to-use chromogenic medium on 90mm plates for the detection of *Malassezia* spp.

Code: 01036

1. INTENDED USE

BacterChrom™ Malassezia is a selective chromogenic medium designed for the detection and differentiation of *Malassezia* species, commonly found on the skin of animals. While harmless on healthy skin, *Malassezia* can cause skin diseases such as dermatitis or otitis when the skin environment is altered. This medium is suitable for analyzing samples from pets and livestock, including skin and ear specimens.

The packaging with semi-permeable Cellophane film helps balance the humidity of the environment during storage.

2. PRINCIPLES

BacterChrom™ Malassezia utilizes chromogenic substrates that interact with specific enzymatic activities of *Malassezia* species, resulting in distinct colony appearances for straightforward identification. The medium incorporates selective agents to suppress the growth of non-target organisms, ensuring high specificity and facilitating the differentiation of *Malassezia* from other microorganisms.

3. TYPICAL COMPOSITION

For 1 liter of medium

Peptone and extract	38,0 g
Chromophenicol	0,5 g
Agar	15,0 g
Chromogenic mix	2,8 g

pH of the ready-to-use medium at 25°C: 6,3 ± 0,2

4. PREPARATION

The environmental plates are ready-to-use, no preparation required.

5. INSTRUCTIONS FOR USE

- Allow to warm to room temperature before inoculation, dry the plates in an incubator with the covers partially removed.
- Direct streaking sample onto the plate
- Incubate in aerobic conditions at 30 – 37°C for 72 hours

6. RESULTS

Qualitative reading and interpretation of the plates:

Microorganism	Typical colony appearance
Malassezia furfur	large, pale pink and wrinkled
Other *Malassezia* species (including *M. globosa* & *M. restricta*)	mostly pink to purple
C. albicans	green
C. tropicalis	metallic blue + mauve halo
C. krusei	pink, fuzzy

Other yeast species	white to mauve

7. QUALITY CONTROL

BacterLab ensures the quality of each product batch by testing with ATCC and NCTC reference strains.

Reference strains	Incubation conditions	Expected results
M. furfur ATCC 14521	Incubate for 72 hours at 35 – 37 °C	Mauve colonies
C. albicans ATCC 10231		Pale green colonies
E. coli ATCC 35218		Inhibited

8. STORAGE AND TRANSPORT CONDITIONS

- Storage: 2 – 8°C.
- Transportation: Ambient temperature.

9. PACKAGING

- Packaging: 10 plates/ box or as per customer request.

10. SHELF LIFE

- Expiration Date: 03 months from the manufacturing date.

11. BIBLIOGRAPHY

- CHROMagar, 2021. CHROMagar™ Technical Data Sheet: NT-EXT-029 V7.1. Available at: https://www.chromagar.com/wp-content/uploads/2021/11/NT-EXT-029-V7.1.pdf.