

CHROMAGAR ORIENTATION

Intended use: for the differentiation and presumptive identification of gram-negative bacilli and *Enterococcus* species.

For *in vitro* diagnostics use only.

1. Product summary and explanation: chromogenic differentiation and presumptive identification of gram-negative bacilli and *Enterococcus* species.

2. Formula / liter:

Peptone and yeast extract..... 17,0 g
Chromogenic mix.....1,0 g
Agar.....15,0 g

3. pH: 7,0 ± 0,2 at 25°C.

4. Directions: suspend the medium in the proportion of 33,0 g/l of purified water. Disperse powder slowly in water by rotating for swelling of the agar. Heat and bring to boiling (100°C) while swirling or stirring regularly and autoclave at 121°C during 15 minutes. Cool in a water bath to 45-50°C, swirling or stirring gently. Pour into sterile Petri dishes or tubes and allow to gel and dry.

5. Specimen: urine.

6. Test procedures: if the agar plate has been refrigerated, allow to warm to room temperature before inoculation. Using 10 µl inoculation loop, streak sample onto plate and incubate at 37°C for 18 – 24 hours.

7. Results: for the identification and differentiation, use the list of microorganisms (Quality control).

8. Quality control:

Microorganism:

Escherichia coli ATCC 25922
Klebsiella pneumoniae ATCC 700603
Proteus vulgaris ATCC 8427
Enterococcus faecalis ATCC 29212
Pseudomonas aeruginosa ATCC 10145

range of colony colors

pinkish to red
metallic blue
bluish green clear with diffusible brown
diffuse blue pinlike within agar
transparent, yellow to green-serated edges, diffused

9. Storage: ready to use plates should be stored at 6 – 12°C in the dark. Store the bottles at 6 – 25°C. Store the powder at 15 - 30°C.

10. Precaution: for laboratory use.

11. Packaging: cat. no.: 202 powder;
cat. no.: 1410 plates (1 x 10 pcs).

12. Expiration: powder – 3 years;
plates – 3 months.

13. References:

1. Evaluation of CHROMagar Orientation for Differentiation and Presumptive Identification of Gram Negative Bacilli and *Enterococcus* species. Merlino J. *et al.* 1996 Journal of Clinical Microbiology, 34:1788-1793.
2. Application of CHROMagar Orientation in the Identification and Differentiation of *Proteeae* from other *Enterobacteriaceae*. Merlino J. 1997. Australian Journal of Medical Science, 18:20-23.



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