

CHROMagar™ E.coli

**Chromogenic medium
for the detection and
enumeration of *E.coli***

ref. EC166 : 4x250ml pack
ref. EC168 : 5000ml bottle

CHR  **Magar**
Microbiology

4, place du 18 juin 1940
75006 Paris France
Fax: (33-1) 45 48 06 00

COMPOSITION* :

Agar, 15 g/l; Chromogenic mix, 9 g/l;
Peptone, yeast and meat extracts 8.3
g/l; Sodium chloride, 5 g/l. pH : 6.0.

*(Classical formula adjusted and/or
supplemented as required to meet
performance criteria).

PREPARATION :

- According to quantities desired,
weigh out powder and use in the
proportion 37.3 g/l of purified water, or
use full pre-weighed dose with
corresponding volume of purified
water.

- Disperse powder slowly in water by
rotating until swelling of the agar.

Laboratory product to be used only by trained personnel

- Bring to a boil (100°C) by repeated
heatings, swirling or stirring regularly. If
using a microwave oven, after initial
boiling, remove from oven to stir gently,
return to oven for short repeated heatings
and continue until complete fusion of agar
grains (large bubbles replacing foam :
about 2 minutes). If preferred, it is also
possible to autoclave at 121°C.

- **If using pouring technique
procedure:**

Cool in a water bath to 48°C. Prepare
100mm Ø sterile Petri dishes and add 1 ml
of inoculum in each. Then pour 10ml of
melted medium. Mix and let solidify. Invert
and incubate at 37°C for 24 hours.

- **If using surface technique
procedure:**

Pour medium into Petri dishes. Store in the
dark before use. Streak the sample or
place the inoculated membranes on plate
surface and incubate at 37°C for 24h.

(If you require greater inhibition of
commensal flora, incubate at 44°C).

INTERPRETATION:

micro-organism	typical colony aspect
<i>E.coli</i>	---> blue
other Gram negative bacteria	---> colorless