

## CHROMagar™ Acinetobacter

### Chromogenic medium for detection of *Acinetobacter sp.* and MDR *Acinetobacter*.

Basic medium:  
article number AC092 : 5000 ml pack (base + supplement)

Optional supplement for MDR *Acinetobacter* screening:  
article number CR102 : 5x1000 ml vials (MDR Selective suppl.)

#### STORAGE :

Store until the shelflife date indicated on the labels, as following :

CHROMagar Acinetobacter base, ref AC092(B) → at 15/30°C

CHROMagar Acinetobacter suppl., ref AC092(S) → at 15/30°C

CHROMagar MDR Selective suppl., ref CR102 → at 2/8°C

#### COMPOSITION in g/L :

**Base :** Agar 15.0 ; Peptone & yeast extract 12.0 ; Salts 4.0 ; Chromogenic mix 1.8.

**Liquid supplement :** Growth and regulator factors 1.0.

→ Total 33.8 g/L pH : 7,0 +/- 0,2

**MDR Selective supplement :** 5 vials of Selective mix (1 vial = qsf 1000ml of final media)

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

#### PREPARATION :

- Suspend the base AC092(B) in purified water in the proportion of 32.8 g/L.
- Add the liquid supplement AC092(S) in the proportion of 1 g/L into slurry.
- Stir until agar is well swollen.
- Heat and bring to boiling (100°C) while swirling and stirring regularly. DO NOT HEAT MORE THAN 100°C.
- Cool in a water bath to 45-50°C, swirling or stirring gently.

#### OPTIONAL STEP: if using supplement CR102:

If screening is focused on MDR *Acinetobacter*, add the MDR Selective supplement ref CR102 as following:

- Rehydrate each vial with 5ml of purified water (1 vial/L of final media)
- Add in the proportion of 5ml/L to the melted CHROMagar Acinetobacter at 45-50°C.
- Stir well for homogenization.

**Note:** MDR supplement solution can be re-used up to 2 weeks if properly stored at 2/8°C.

- Pour into sterile Petri dishes, allow to gelify and dry.

**Note:** Slight variation of the media colouration after solidification can be observed, from yellowish to light orange.

Store in the dark. Prepared media plates can be kept for one day at ambient temperature or can be stored for up to two weeks under refrigeration (2/8°C) if properly prepared and protected from light and dehydration.

#### INOCULATION :

- If the agar plates have been refrigerated, allow to warm at room temperature before inoculation.
- Streak sample onto plate (directly or after an appropriate broth enrichment).
- Incubate at 37°C for 18-24 hours in aerobically conditions.

#### INTERPRETATION :

→ CHROMagar Acinetobacter	
Reading	Typical appearance
<i>Acinetobacter sp.</i>	Red
Other gram (-)	Mostly inhibited
Gram(+) bacteria & yeasts	Mostly inhibited
→ CHROMagar Acinetobacter with MDR Selective suppl.	
Reading	Typical appearance
MDR <i>Acinetobacter</i>	Red
Non-MDR <i>Acinetobacter</i>	Mostly inhibited
Other gram (-)	Mostly inhibited
Gram(+) bacteria & yeasts	inhibited

#### LIMITATIONS :

- Some Enterobacteriaceae, strains may growth as blue to metallic blue colonies. Especially In presence of the MDR Selective supplement these strains should be considered as potentially harboring multi-drug resistance.

- Some other non-fermenter Gram negative strains such as *Pseudomonas sp.* or *Stenotrophomonas sp.* can display similar colouration appearance as *Acinetobacter*.

These bacteria, well-known to be frequently Multi-Drug Resistant, can grow even in presence of the MDR Selective supplement.

→ *Pseudomonas* strains can be easily differentiated performing an oxydase test.

→ *Stenotrophomonas* strains can be easily distinguished as forming tiny colonies at 18-24h.

- Definite *Acinetobacter* identification may require additional confirmatory testing.

- Definite MDR characterisation may require additional susceptibility testing.

Performance has not been established.

#### DISPOSAL OF WASTE :

After interpretation all media should be destroyed by autoclaving at 121°C for at least 20 minutes.

#### English.

For Research Use Only – Not for diagnostics procedures.  
Laboratory product to be used only by trained personnel.

#### Available from CHROMagar :

##### CHROMagar™ Candida

Differentiation of major pathogenic *Candida* species

##### CHROMagar™ Orientation

Differentiation of urinary tract pathogens

##### Rambach™ Agar

Detection of *Salmonella* spp

##### CHROMagar™ Salmonella

Detection of *Salmonella* including *S. Typhi*

##### CHROMagar™ Salmonella Plus

Detection of *Salmonella* according to the ISO 6579:2002 norm

##### CHROMagar™ O157

Detection of *E.coli* O157

##### CHROMagar™ E.coli

Detection and enumeration of *E.coli*

##### CHROMagar™ ECC

Detection and enumeration of *E.coli* and coliforms

##### CHROMagar™ Liquid ECC

Broth for pad technique for *E.coli*-coliforms

##### CHROMagar™ Staph aureus

Detection and enumeration of *Staphylococcus aureus*

##### CHROMagar™ Listeria

Detection and enumeration of *Listeria monocytogenes*

##### CHROMagar™ Vibrio

Detection and enumeration of *Vibrio parahaemolyticus*, *Vibrio vulnificus* and *Vibrio cholerae*

##### CHROMagar™ VRE

Detection of *E.faecium* VRE & *E.faecalis* VRE

##### CHROMagar™ StrepB

Detection of *Streptococcus agalactiae* (GBS)

##### CHROMagar™ ESBL

Detection of ESBL-producing bacteria

##### CHROMagar™ KPC

Detection of Carbapenem-resistant bacteria

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