

## ChromoBio® ESBL

A selective and differential chromogenic medium for the detection of Extended Spectrum  $\beta$ -Lactamase (ESBL).

<b>Dehydrated media</b>	
Code number:	500 g: CEL20500, 5 kg: CEL25000
Packaging of 500 g	500 g agar base + 40 vials selective supplement
Packaging of 5 kg	5 kg agar base + 400 vials selective supplement
Appearance of agar base:	Yellowish, homogeneous hygroscopic powder
Appearance of supplement:	White, homogeneous lyophilisate
pH before autoclaving (25 °C):	7,0 - 7,4

**Direction:** Suspend **12,5 g** in 500 ml of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 115 °C for 15 minutes. Cool to 50 °C and add aseptically the contents of **one vial of ESBL Selective Supplement** reconstituted with 4 ml sterile distilled water. Mix well before pouring.

**Warning!** The medium is heat sensitive. No further sterilisation is necessary or desirable.

<b>Bottled media</b>	
Code number:	100 ml: CEL30100, 500 ml: CEL30500
Packaging of 100 ml bottled media:	100 ml agar base + 1 vial selective supplement
Packaging of 500 ml bottled media:	500 ml agar base + 1 vial selective supplement
Appearance of agar base:	Yellowish, transparent gel
Appearance of supplement:	White, homogeneous lyophilisate
pH (25 °C):	7,1 - 7,3

**Direction:** Supplement the melted bottled media bases according to the direction of the dehydrated media and dispense aseptically into sterile Petri-dishes.

<b>Plated media</b>	
Code number:	55 mm: CEL50055, 90 mm: CEL50090
Appearance of plated media:	Yellowish, transparent gel
pH (25 °C):	7,1 - 7,3

**Direction:** Media in Petri-dishes are ready to use.

### FORMULA FOR ONE LITRE OF COMPLETE MEDIUM in g/l

Nutrient mixture (peptones, extracts)	10,0
Chromogenic mixture	1,0
Antibiotic mixture	0,1
Agar	13,9

**Note:** The typical formula can be adjusted to obtain optimal performance.

**Storage conditions:** Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled media protected from light at room temperature. Store the supplements and the plated media protected from light at 2-8 °C. Use before the expiry date on the label.

#### Quality control:

Incubation temperature: 37 °C		Incubation time: 24 h	
<b>Test strains</b>		<b>Growth without supplement</b>	<b>Growth with supplement</b>
<i>Escherichia coli</i> ATCC 2469		Good growth dark blue colonies	Good growth dark blue colonies
<i>Escherichia coli</i> ATCC 25922		Good growth dark blue colonies	Inhibited
<i>Klebsiella pneumoniae</i> ATCC 700603		Good growth red colonies	Good growth red colonies
<i>Klebsiella pneumoniae</i> ATCC 13833		Good growth red colonies	Inhibited
<i>Salmonella typhimurium</i> ATCC 14028		Good growth colourless colonies	Inhibited
<i>Enterococcus faecalis</i> ATCC 29212		Good growth colourless colonies	Inhibited
<i>Candida albicans</i> ATCC 10231		Good growth typical colonies	Inhibited

**In vitro diagnostic – for professional use only!**