For overnight detection of Gram-negative bacteria producing Extended Spectrum Beta-Lactamase
For overnight detection of Gram-negative bacteria producing Extended Spectrum Beta-Lactamase

Medium Description

| Powder Base (CHROMagar Orientation) | Total .................................................. 33 g/L  
|--------------------------------------|------------------------------------------------|  
| Agar ............................................. 15.0  
| Peptone and yeast extract .............. 17.0  
| Chromogenic mix ............................. 1.0  
| Storage at 15/30°C - pH: 7.0 +/-0.2  
| Shelf Life ...................................... 2 years

| CHROMagar ESBL Supplement (included in the pack) | Selective mix (Powder form) .......................... 0.57 g/L  
|--------------------------------------------------|------------------------------------------------|  
| Storage at 2/8°C  
| Shelf Life ...................................... 2 years

Procedure

Direct Streaking. Incubation 18-24h at 37°C. Aerobic conditions

Plate Reading

- *E. coli* ESBL → dark pink to reddish
- *Klebsiella, Enterobacter, Citrobacter* ESBL → metallic blue
- *Proteus* ESBL → brown halo
- *Pseudomonas* ESBL → translucent cream to blue
- *Acinetobacter* ESBL → cream, opaque
- Other → inhibited

Quality Control Strains

*E. coli* ESBL CIP 103982 .......... reddish, small colonies  
*K. pneumoniae* ATCC® 700603 .... metallic blue  
*L. faecalis* ATCC® 29212 .......... inhibited  
*P. aeruginosa* ATCC® 10145 ........ inhibited  
*E. coli* ATCC® 25922 .............. inhibited  
*C. albicans* ATCC® 60193 .......... inhibited  
*S. aureus* ATCC® 25923 .............. inhibited

ATCC® is a registered trademark of the American Type Culture Collection

For US Customers: for Research Use Only

Order References

Please use these product references when contacting DRG:

5000 ml pack .............. ESRT2 (includes a base powder RT412 and a supplement ES372)  
25 L pack ................... ESRT3-25 (includes a base powder RT413-25 and a supplement ES373-25)