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## CHROMagar ESBL

PD - 418

***A Petri Dish containing chromogenic medium for the direct detection and presumptive identification of ESBL Enterobacteriaceae and Pseudomonas***

- Extended – Spectrum - Beta – Lactamases (ESBLs) yield to very serious clinical implications which can result in treatment failure, morbidity and mortality.
- The implementation of institutional programmes performing routine screening tests from stools or rectal swabs can avoid the widespread dissemination of the problem in other patients and or species, and may help in the management of ESBL outbreaks.
- CHROMagar ESBL is a selective medium for Gram Negative bacteriae. The inclusion in the medium of a stable cocktail of selective agents, inhibit the growth of the non-ESBL and of the AmpC Enterobacteraceae and *Pseudomonas*.
- The formulation of CHROMagar ESBL provides a great sensitivity that supports the growth of the most fastidious microorganisms. Its chromogenic and chemical substrates allow the panoramic growth of the different ESBL bacteria in specific colony colors, according to their chemical and enzymatic properties.
- The system allows a SINGLE STEP detection and differentiation of ESBL strains, directly from clinical specimens.
- **Procedure Limitations:** Hyper AmpC and CRE strains may grow in this medium



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## Interpretation of results

Growth on CHROMagar ESB� after 24 hours 37°C, aerobically  
- ESB� microorganisms

Microorganisms	Colony morphology
<b>E. Coli</b>	<b>Pink red, flat, medium sized</b>
<b>Klebsiellae</b>	<b>Metallic blue, mucoid, rather big</b>
<b>Citrobacter</b>	<b>Metallic blue with purple pink halo</b>
<b>Enterobacter</b>	<b>Metallic bluish purple with or w/o pink halo around periphery</b>
<b>Serratia</b>	<b>Light aqua-blue</b>
<b>Providencia</b>	<b>Beige to brown on beige background</b>
<b>Proteus spp.</b>	<b>Beige to brown on beige background</b>
<b>Pseudomonas spp.</b>	<b>Creamy, green, translucent rather big, serrated edges, non swarming</b>
<b>Acinetobacter</b>	<b>White nontransparent, mucoid, rather big</b>