Thermo Scientific™ Spectra™ ESBL User Guide

Presumptive identification of extended-spectrum beta-lactamase (ESBL)-producing organisms

Inoculate plate. Incubate at 35°C for 18-24 hrs. Read results.

- **Positive***
  - *E. coli*, *Klebsiella pneumoniae* or *Klebsiella oxytoca*: Blue-turquoise-green colonies
  - β-galactosidase-negative *E. coli*: Pink colonies
  - *Proteus mirabilis*: Tan with brown halo

- **Non-target Organisms**
  - *Pseudomonas* spp.: Cream or naturally pigmented e.g. green/brown
  - *Enterobacter, Serratia, Citrobacter*: Green colonies
  - *Acinetobacter* spp.: Cream colonies, same as non-pigmented *Pseudomonas* spp.

* *Bacteria with other resistance mechanisms may also produce growth. Any such isolate may be clinically significant and should be investigated further.
  **Non-ESBL-producing organisms

Prevention saves lives, saves time, saves money.

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