chromID™ ESBL
Chromogenic medium for the Screening of Extended Spectrum β-Lactamase-producing Enterobacteria (ESBL)

Isolate ESBL Colonies & Start Patient Isolation

from diagnosis, the seeds of better health
Isolate ESBL Colonies & Start Patient Isolation

Microbial resistance through Extended-Spectrum β-lactamase was first reported in the early 1980s in Europe and subsequently in the US soon after the introduction of 3rd generation cephalosporins in clinical practice. Today, this resistance mechanism has emerged globally, and ESBL-producing Enterobacteria are recognized worldwide as nosocomial pathogens of major importance.

Screening of ESBL is needed to sort out patients and to perform a medically and cost effective isolation."}

Expertise & Innovation

chromID™ ESBL is a completely new and innovative chromogenic medium designed specifically for the Screening of Extended Spectrum β-Lactamase-producing Enterobacteria (ESBL)."}

Original Principle

Isolation and detection of ESBL based on a rich nutrient capacity with a mixture of antibiotics, including Cefpodoxime. This antibiotic is recognised as being the marker of choice for this resistance mechanism.

Rapid Identification

Immediate and direct identification of the most frequently found Enterobacteria after 18-24 hours of incubation.*

• Escherichia coli: pink to burgundy colouration of β-glucuronidase-producing colonies
• Klebsiella, Enterobacter, Serratia, Citrobacter (KESC): green/blue to browny-green colouration of β-glucosidase-producing colonies
• Proteaeae (Proteus, Providencia, Morganella): dark to light brown colouration of deaminase-expressing strains

* See technical sheet for further information
Easy-to-use

- Extremely easy-to-read
- Ready-to-use chromogenic medium for the screening of ESBL Enterobacteria
- Detection of mixed cultures

Reliable Screening

- Short time-to-result due to significant reduction in unnecessary confirmations (5)
- Selective inhibition of Gram-positive bacteria and yeasts

Screening specimens: rectal swab (urine, respiratory secretions)*

Direct identification of:
- E. coli: pink to burgundy
- KESC: green/blue to browny-green
- Proteae: dark to light brown

Confirmation of being an extended Spectrum \(\beta\)-Lactamase-producer
**chromID™ Range**

Pre-plated Chromogenic Media for the Screening of Multidrug-Resistant Organisms

- **new** chromID ESBL ..............................................................................................................Ref 43481 - 20 plates
- **new** chromID MRSA ........................................................................................................ Ref 43451 – 20 plates / Ref 43459 – 100 plates
  New name of MRSA ID (same reference)
- **new** chromID VRE ..............................................................................................................Ref 43002 - 20 plates

**Other Chromogenic Media** (same references)

- **new** chromID S.aureus .........................................................................................................Ref 43371 – 20 plates
  New name of S.aureus ID
- **new** chromID Candida ........................................................................................................ Ref 43631 - 20 plates / 43639 - 100 plates
  New name of Candida ID2
- **new** chromID CPS* ...............................................................................................................Ref 43541 - 20 plates / 43549 - 100 plates
  New name of CPS ID 3
- **new** chromID CPS / Columbia CNA + 5% sheep blood .....................................................Ref 43463 - 10 plates
  New name of CPS ID 3 / Columbia CNA + 5% sheep blood
- **new** chromID Strepto B ........................................................................................................ Ref 43461 - 20 plates
  New name of Strepto B ID
- **new** chromID Salmonella ....................................................................................................Ref 43621 - 20 plates / 43629 - 100 plates
  New name of SM ID2
- **new** chromID O157H7 .........................................................................................................Ref 42605 - 6 x 200 ml bottles
  New name of O157: H7 ID

**GUIDELINE & PUBLICATIONS:**

1. Jane D. Siegel, MD; Emily Rhinehart, RN MPH CIC; Marguerite Jackson, PhD; Linda Chiarello, RN MS; the Healthcare Infection Control Practices Advisory Committee. Management of Multidrug-Resistant Organisms in Healthcare Settings, 2006 - CDC - www.cdc.org/


