



Colorex™ 0157 Agar

Instructions for Use

10-7601 InTray™ Colorex™ 0157, 2"tray, 20 trays/box

10-7607 InTray™ Colorex™ 0157, 2"tray, 5 trays/box

INTENDED USE

Colorex™ 0157 is a selective and differential medium for isolation of the enterohemorrhagic *Escherichia coli* 0157 from food and environmental samples. The test can be performed on direct or enriched samples of food, meat trimmings or animal fecal material. Not for human diagnostic use.

DESCRIPTION AND PRINCIPLE OF USE

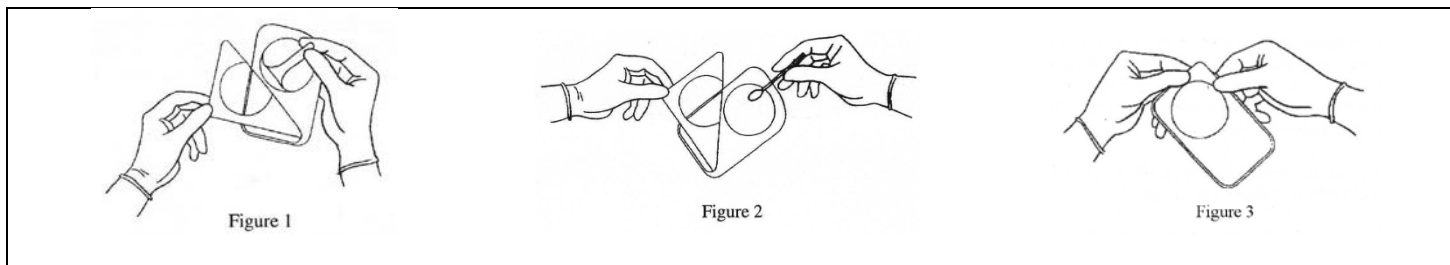
E. coli 0157 is a clinically significant pathogen responsible for outbreaks of serious food-borne disease. Cattle and sheep are the primary reservoir for this pathogen. Outbreaks of food-borne illness have been directly associated with the consumption of bovine food products contaminated with *E. coli* 0157¹. Traditional selective agars for this pathogen have been based on the ability of the bacteria to ferment either sorbitol or rhamnose, and the absence of beta-glucuronidase activity. Classical media entail complex and costly detection procedures. Colorex™ 0157 was developed to differentiate *E. coli* 0157 from non-*E. coli* 0157 on the basis of colony color. Chromogenic substrates in the media are metabolized by *E. coli* 0157 to produce dark-pink to mauve colored colonies on the plate. Non-*E. coli* 0157 coliforms appear as blue colonies. Other bacteria appear colorless, grey or inhibited. Sensitivity for *E. coli* 0157 is 98%²

STORAGE

Upon receipt, store InTray™ Colorex™ 0157 under refrigeration (2-8°C). Medium can be kept for one day at ambient temperature. Protect media from exposure to light, excessive heat, moisture and freezing. Do not open until ready to use. Do not use if the medium shows signs of deterioration, shrinking, cracking, discoloration or contamination.

INOCULATION PROCEDURE

Allow the InTray™ to warm to room temperature. Lift the lower right corner of the flexible InTray™ label until the protective seal is completely visible. Remove the paper-foil seal by pulling the tab (Fig. 1). **Discard** the seal. **DO NOT REMOVE OR ALTER THE WHITE FILTER STRIP OVER THE VENT HOLE!**



Streak laboratory sample onto the agar surface for isolation (Fig. 2). Reseal the InTray™ label to the plastic tray body. **Press all around the perimeter of the InTray™ to ensure a complete seal** (Fig. 3). Immediately label the InTray™ with sample information and date. **DO NOT COVER THE VIEWING WINDOW.**

CULTURE AND RESULTS

Incubate at 37°±2C for 24 hours under ambient atmosphere. Colonies of *E. coli* 0157 appear mauve colored. Other bacteria appear colorless, blue, or are inhibited.

LIMITATIONS/PRECAUTIONS

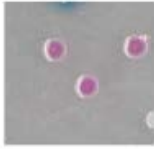
Not for human diagnostic use. A latex confirmation test for 0157 is suggested for suspect colonies. Definite identification as *E. coli* 0157 requires, in addition to characterization of 0157 serotype, a final identification as *E. coli*. Once the InTray™ has been inoculated and resealed, re-open only in a biological safety cabinet. Because of the potential for containing infectious materials, the InTray™ must be destroyed by autoclaving at 121°C for 20 minutes.



INTERPRETATION

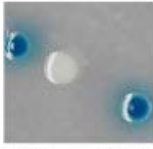
| Organism | Colony Appearance |
|---------------------|-------------------|
| <i>E. coli</i> O157 | Mauve |
| Coliforms | Steel blue |
| Other bacteria | Colorless or grey |

***E.coli* O157**



Mauve

Other bacteria



Steel blue, colourless or inhibited

REAGENTS

Colorex™ 0157 contains agar, peptone nutrients, salts, tellurite and chromogenic additives.

QUALITY CONTROL

All Colorex™ 0157 agar products are performance verified with the following ATCC® microbe strains. Product performance is also verified periodically throughout the marked shelf life of each lot.

| Organism | ATCC® | Colony Appearance |
|------------------------|-------|-------------------|
| <i>E. coli</i> O157:H7 | 35150 | Mauve |
| <i>E. coli</i> | 25922 | Metallic blue |
| <i>K. pneumonia</i> | 13883 | Metallic blue |
| <i>E. faecalis</i> | 29212 | Inhibited |

| SYMBOL KEY | | | |
|------------|------------------------------------|--------|---|
| Symbol | Used For | Symbol | Used For |
| | Batch code | | Temperature limitation |
| | Date of manufacture | | Catalog number |
| | Use by YYYY-MM-DD or YYYY-MM | | Caution, consult accompanying documents |
| | Manufacturer | | Authorized representative in the European Community |
| | In vitro diagnostic medical device | | in European community |

REFERENCES

- 1 Durso, *et al* 2010. Medical Laboratory Observer. March 1, 2010; p.42
- 2 Bettelheim, *et al*. 1998; *J Appl Microbiol*; 85

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