



InTray™ Colorex™ ECC

INTENDED USE

Colorex™ ECC is a simple, fast and reliable tool for the simultaneous detection and enumeration of *E. coli* and other coliforms in food and water samples.

DESCRIPTION AND PRINCIPLE OF USE:

Coliforms are lactose positive *Enterobacteriaceae* and are present in human and warm blooded animals intestinal flora, in the soil and water. *E. coli* and coliform presence are proof of organic, environmental or fecal contamination. Fecal contamination, due to coliforms coming from animal waste, consists mainly of *Escherichia coli* and thermo-tolerant *Klebsiella*. Strict regulations exist for *E. coli*/coliform presence in water and food samples. *E. coli* can contaminate drinking water when water treatment systems are inadequate or during periods of high rainfall. Monitoring of food and water production is essential. High contamination may lead to suspension of water supply and food recall by supermarkets. In the U.S.A. the EPA regulates quality standards for surface and drinking water through the Total Coliform Rule (TRC). Colorex™ ECC is listed in the FDA BAM for Detecting Foodborne Pathogens.

STORAGE

Upon receipt, store InTray™ Colorex™ ECC under refrigeration (2-8°C). Medium can be kept for one day at ambient temperature. Avoid freezing or prolonged storage at temperatures above 40°C. Do not open until ready to use. Do not use if the medium shows signs of deterioration 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!**

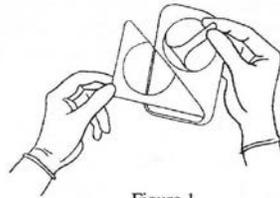


Figure 1

Streak sample onto the agar surface (Fig. 2).

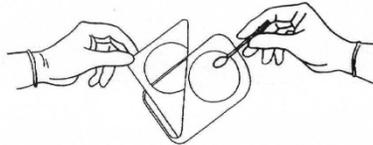


Figure 2

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 patient or sample information and date. **DO NOT COVER THE VIEWING WINDOW.**

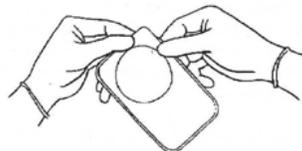


Figure 3

CULTURE AND RESULTS

Incubate at 37°C for 24 hours under ambient atmosphere. Colonies of *E. coli* appear blue, coliforms are mauve. For research focused on fecal coliform detection, incubate at 44°C; for total coliforms, incubate at 30°C.

INTERPRETATION

Organism	Colony Appearance
<i>E. coli</i>	Blue
Other coliforms	Mauve
Other bacteria	Colorless or inhibited

LIMITATIONS/PRECAUTIONS

Sensitivity for *E. coli* is 97% (Ogden *et al.* 1991; *Lett Appl Microbiol*; 13).

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.

REAGENTS

Colorex™ ECC contains Agar, peptone nutrients, antimicrobial selective compounds and chromogenic additives.

QUALITY CONTROL

All Biomed product lots are performance verified with 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>	25922	Blue
<i>K. pneumoniae</i>	13883	Mauve
<i>C. freundii</i>	8090	Mauve
<i>E. cloacae</i>	35030	Mauve
<i>E. aerogenes</i>	13048	Mauve
<i>E. faecalis</i>	29212	Inhibited
<i>S. aureus</i>	25923	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

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