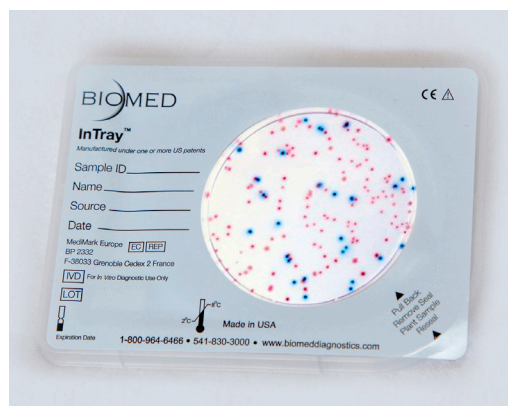


InTray™ Colorex™ ECC (*Escherichia coli* and Coliforms)

For the simultaneous detection, chromogenic differentiation, and enumeration of *E. coli* and other coliforms in food or water samples

PRODUCT BIO

BioMed Diagnostics' InTray™ Colorex™ ECC test serves as a microbiology sample collection, transport, and culture device allowing for simultaneous growth, observation, and chromogenic differentiation of *Escherichia coli* and other coliforms. **BioMed's patented InTray™ system saves time and money while reducing exposure to collected samples by combining several procedures into a single device.**



The patented InTray™ system consists of a re-closable outer seal containing an optically clear, anti-fog window, which creates an airtight 2" diameter chamber with a large enough area to streak for isolation. The innovative design of the InTray™ high-performance viewing window makes it possible to place the device directly under a microscope removing the need to prepare slides and prevents unnecessary exposure of the sample after inoculation. **BioMed's InTray™ system negates the need for multiple procedures increasing throughput and decreasing the cost of laboratory materials and medical waste.**

Additionally, the InTray™ design lends itself to high performance not only in laboratory and controlled point-of-care settings, but also off-site locations

or austere environments. The InTray™ Colorex™ ECC test is a fully enclosed system and does not require any reagents or complicated procedures to inoculate or obtain results. The InTray™ system is also equipped with a small air filter creating a controlled air exchange. **The InTray™ system is ideal for use in the field and in austere environments due to its low reliance on laboratory equipment.**

The InTray™ Colorex™ ECC makes preliminary detection easy by producing distinctive color and morphology differences between the growth of *E. coli* and other coliforms. **This includes all lactose positive organisms within as little as 18-24 hours. The InTray™ Colorex™ ECC inhibits the growth of mold, fungi, and gram-positive bacteria, increasing specificity.** The specially formulated chromogenic media makes detection and preliminary visual identification easy, while inhibiting potential interference in obtaining accurate results.

Visual Results:

- *E. coli* - Blue
- Other Coliforms – Mauve
- Other Bacteria – Colorless or inhibited

QUALITY CONTROL

The InTray™ Colorex™ ECC is tested with ATCC™ strains of the indicated species. At the time of manufacture, quality control tests are performed on each lot of InTray™ Colorex™ ECC to ensure viability, doubling time, and sterility. These tests are repeated throughout the product shelf life by BioMed Diagnostics confirming the ability to support growth of selected species while maintaining specificity.

VALUE

High Throughput – Once the device is inoculated no other culture preparation is required saving time

Cost Savings – Reduces laboratory materials and medical waste

High specificity – Selective for the growth of *E. coli* and other coliforms including all lactose positive organisms

BENEFITS

Convenient - Combines collection, culture, and observation into one device

Easy to use - Minimal lab procedures and equipment needed

Easy to store - 6 month shelf life under refrigeration (2-8 °C)

Easy observation - No fogging or condensation on the InTray™ viewing window

Safe - Fully enclosed InTray™ system prevents contamination and reduces exposure to collected samples

PRODUCT SPECIFICS

Storage - Refrigeration (2-8 °C)

Shelf Life - 6 months

Incubation - 18 - 24 hours at 37 °C

Quantity Sold -
5 Pack (10-7407)
20 Pack (10-7401)

CORPORATE OVERVIEW

BioMed Diagnostics, Inc., a boutique biotech firm and an industry leader since 1989, develops and manufactures *in vitro* diagnostic devices. BioMed's point-of-care ready tests provide accurate diagnostic tools for scientists worldwide to aid in the identification of bacteria, parasites and fungi. The company formed as the result of a mercy mission conducted by a group of physicians to Central America; there they discovered the need for robust diagnostic tools for use in austere environments. Their experience unleashed the inspiration for BioMed's innovative products that support medical professionals, veterinarians, research teams, and environmental and industry scientists globally.

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InTray™ Colorex™ ECC (*Escherichia coli* and Coliforms)

BACKGROUND

Coliforms, possess the ability to ferment lactose and they are normally present in the intestinal flora of humans and other warm-blooded animals. Coliform presence is one measure of water and food quality. Contamination from organic, environmental and fecal sources create their existence. Fecal contamination caused by coliforms encompass *Escherichia coli* and thermotolerant *Klebsiella*.

E. coli along with other coliforms can contaminate drinking water especially when water treatment systems are inadequate or during periods of high rainfall. Strict regulations exist for *E. coli* and coliform presence in water and food samples. Monitoring of food and water production is essential since high levels of contamination may lead to suspension of the water supply. Food recalls by supermarkets, manufacturers or governmental agencies are possible due to the potential harm of ingesting contaminated water and foodstuffs.

Use of the InTray™ ECC to detect, differentiate and enumerate *E. coli* and other coliforms removes the need for further or duplicate testing.

DIRECTIONS

Prior to inoculation, the InTray™ Colorex™ ECC should be brought to room temperature.

To inoculate the InTray™ Colorex™ ECC, pull back the lower right corner of the label adjacent to the clear window until the protective seal is completely visible. Remove the seal by pulling the tab, discard the seal but **do not remove the white filter strip over the vent hole**. Obtain a small amount of specimen and place on top of the 2" medium well. The 2" diameter well offers a large enough surface area to streak for isolation.

To culture the sample, reseal the InTray™ by returning the label to its original position so the

optically clear anti-fog window covers the medium. Press the edges of the label against the plastic tray to ensure an airtight seal. Once inoculated, the InTray™ Colorex™ ECC should be incubated at 37°C for total coliforms or at 44°C for fecal coliforms and visual results can occur within as little as 18 - 24 hours.

DETECTION

InTray™ Colorex™ ECC medium is formulated to produce distinctive colony growth with typical identifying characteristics both macro and microscopically. For examination using a microscope, place the InTray™ Colorex™ ECC on the microscope stage and observe.

REFERENCES

Bacteria: Water Quality Standards Criteria Summaries: A Compilation of State/Federal Criteria. Environmental Protection Agency. September, 1988.

NOTATION

Colorex™ is a trademark of Dr. A. Rambach, France