

InTray™ mEndo LES

For total coliform enumeration of water samples derived from membrane filtration procedures using standard methods 9222 A, B, C as outlined by the American Public Health Association in *Standard Methods for the Examination of Water and Waste Water* in accordance with EPA rule 40 CFR 141.

VALUE

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

Extended Shelf Life – One year shelf life under refrigeration (2-8°C)

BENEFITS

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

Easy to use - Minimal lab procedures and equipment needed

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

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

Easy to Store – 12 month shelf life under refrigeration

PRODUCT SPECIFICS

Storage - Refrigeration (2-8 °C)

Shelf Life - 12 months

Incubation - 24 hours

Quantity Sold

20 Pack (20-1601)

5 Pack (20-1607)

PRODUCT BIO

BioMed Diagnostics' InTray™ mEndo LES combines microbiology sample transport, culture, and observation for total coliform counts into one device. **The InTray™ system saves time and money, while reducing exposure to collected samples by facilitating several procedures in a single device.**



The patented InTray™ system consists of a re-closable outer seal containing an optically clear, anti-fog window. The innovative design of the InTray™ high-performance viewing window makes it possible to place the device directly under a microscope during bacterial colony counts and prevents unnecessary exposure of the sample after inoculation. **By combining both growth and observation into one fully enclosed device, BioMed's InTray™ system increases throughput and decreases the cost of laboratory materials and medical waste.**

Additionally, the InTray™ design lends itself to high performance in laboratory and controlled settings as well as off-site locations or austere environments. The InTray™ system is equipped with a small air filter creating a controlled air exchange, which maintains the integrity of the growth environment once resealed.

VISUAL MORPHOLOGY RESULTS

All colonies that are red and have a characteristic metallic sheen are considered coliforms. The sheen may cover the entire colony, only be in the center or appear only around the edges.

BACKGROUND

Coliforms are a group of bacteria that are widespread in nature. Members of the total coliform group are indicative of animal fecal contamination. As a part of the flora, coliforms pose little health risk, but coliforms can be harmful if introduced to other areas of the body.

Water and food quality control for human consumption rely heavily on detecting the presence of *E. coli* and other coliforms. Fecal contamination due to coliforms coming from animal waste consists mainly of *E. coli* and thermotolerant *Klebsiella*.

DIRECTIONS

Prior to inoculation the InTray™ mEndo LES should be brought to room temperature. Follow membrane filtration and any pre-enrichment techniques as required and described in standard method procedures.

To inoculate the InTray™ mEndo LES, 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. Place the membrane filter on the surface of the agar in the InTray™ mEndo LES.

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 and press the edges of the label against the plastic tray to ensure an airtight seal before being stored for incubation.

Best practice suggests Incubation at $35 \pm 0.5^\circ\text{C}$ for 22 ± 2 hours to produce red colonies with characteristic metallic sheen. Refer to laboratory procedures or standard methods for ultimate incubation and colony counting procedure.



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.

BIOMED DIAGNOSTICS

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