InTray™ mHPC and InTray™ R2A

InTray™ mHPC

For heterotrophic/total plate counts from treated, potable water samples using membrane filtration procedures following method set 9215 D as outlined by the American Public Health Association (APHA) in Standard Methods for the Examination of Water and Waste Water.

InTray™ R2A

For heterotrophic/total plate counts of **stressed or compromised organisms** from treated, potable water samples using membrane filtration procedures following method set 9215 D as outlined by the APHA in Standard Methods for the Examination of Water and Waste Water.

VALUE

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

Cost Savings – Reduces laboratory materials and medical waste

BENEFITS

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

Easy to use - Minimal lab procedures and equipment needed

Easy to store – 12 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 - 12 months

InTray™ R2A

Incubation – 42-72 hours

20 Pack	(20-2301)
5 Pack	(20-2307)

InTray™ mHPC

Incubation – 24-48 hours

20 Pack	(20-1801)
5 Pack	(20-1807)

PRODUCT BIO

The InTray™ mHPC and InTray™ R2A systems are microbiology sample collection, transport, culture and observation devices for use in plate counts of heterotrophic bacteria using membrane filtration procedures. Both devices integrate with method set 9215 D as outlined by the APHA. **BioMed's patented InTray™ system saves time and money, while reducing exposure to collected samples by combining several procedures into a single device.**

The 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 devices directly under a microscope during colony counts. This prevents unnecessary exposure of the sample after inoculation**. By combining both growth and observation into one fully enclosed device, 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 in laboratory and controlled settings as well as off-site locations or austere environments. The InTray™ is fully enclosed and does not require any reagents. Since all the needed nutrients are contained within the system in an agar, the potential for total colony count errors due to movement is mitigated when compared to liquid growth media.

The InTray™ system is also equipped with a small air filter creating a controlled air exchange, which prevents aerobic contamination after inoculation and maintains the integrity of the growth environment once resealed.

QUALITY CONTROL

At the time of manufacture, quality control tests are preformed on each lot of the InTray™ mHPC and InTray™ R2A using ATCC™ strains to ensure viability and sterility. These tests are repeated throughout the product shelf life by BioMed Diagnostics confirming the products' ability to support growth.

DIRECTIONS

Prior to inoculation the InTray™ mHPC or InTray™ R2A should be brought to room temperature.

To inoculate the InTray™ system, 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, and place the membrane filter on the surface of the agar.

InTray™ mHPC and InTray™ R2A

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.

Consult appropriate references for ultimate sample collection, incubation, and enumeration procedures. For examination using a microscope, place the InTray™ mHPC or InTray™ R2A on the microscope stage and observe through the anti-fog viewing window.

REFERENCES

1. Eaton, Rice and Baird (ed.). 2005. *Standard Methods for the Examination of Water and Wastewater, 21st ed.* American Public Health Association, Washington D.C.

2. Kim and Feng. 2001. In Downes and Ito (eds.), *Compendium of Methods for the Mibrobial Examination of foods, 4th edition.* American Public Health Association, Washington D.C.

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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