

# InTray™ XLT4 Agar

55-1000 (5 pack); 55-1001 (20 pack)

For *In Vitro* Diagnostic Use Only



## INTENDED USE:

XLT4 agar medium is devised for selection of non-typhi *Salmonella* from samples contaminated with fecal matter<sup>1-4</sup>. Growth of other organisms is inhibited and *Salmonella* can be differentiated from other organisms by colony color.

## STORAGE:

Upon receipt, store InTray™ XLT4 under refrigeration (2-8°C). Avoid freezing or prolonged storage at temperatures above 40°C. Do not use InTray™ XLT4 if the medium shows signs of deterioration or contamination. Expiration is 12 months past the date of manufacture.

## DESCRIPTION AND PRINCIPLE OF USE:

Differentiation of *Salmonella* from other organisms that may grow on this agar is based on the fermentation of xylose, sucrose and lactose, lysine decarboxylation and the production of hydrogen sulfide.

*Salmonella* colonies are black or yellow with black centers after incubation. After continuous incubation, *Salmonella* colonies may turn completely black or appear pink to red with black centers.

## INOCULATION PROCEDURE:

Pull back the lower right corner adjacent to the clear window of the InTray™ label until the protective seal is completely visible. Remove the seal by pulling the tab (Fig. 1). **Discard** the seal. **DO NOT REMOVE OR ALTER THE WHITE FILTER STRIP OVER THE VENT HOLE!**

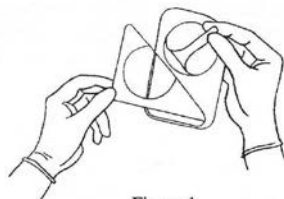


Figure 1

Inoculate the specimen on the surface of the medium. A sterile inoculating loop that has been moistened by touching the surface of the medium may be used for inoculation of solids or scrapings (Fig. 2).



Figure 2

Reseal the InTray™ by pressing together the edges of the label against the plastic tray. **Press all around the InTray™ to insure 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:

Use standard procedures to obtain isolated colonies from specimens.

**Incubate the InTray™ XLT4 aerobically at 35±2°C for 18-24 hours; If negative after 24 hours, incubate an additional 24 hours.**

## CULTURE RESPONSE:

Organism	ATCC™	Recovery	Color
<i>Enterococcus faecalis</i>	29212	Marked inhibition	N/A
<i>Escherichia coli</i>	25922	Partial inhibition	Yellow
<i>Proteus mirabilis</i>	25933	Inhibition	N/A
<i>Salmonella choleraesuis</i> (Typhimurium serotype)	14028	Good	Yellow to red with black centers
<i>Staphylococcus aureus</i>	25923	Inhibition	N/A

## PRECAUTIONS:

For in vitro diagnostic use only. Once the InTray™ has been inoculated and resealed, open only in a biological safety cabinet. Because of the potential for containing infectious materials, the InTray™ must be destroyed by autoclave or other equivalent means of disposal. For use by qualified, trained personnel.

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. Miller and Tate. 1990. *Maryland Poultryman*.
2. Miller *et al.* 1991. *Poultry Science* 70:2429
3. Miller *et al.* 1992. *Poultry Science* 71:398
4. Tate *et al.* 1992. *J. Food Prot.* 55:964

## BioMed Diagnostics, Inc.

PO Box 2366 • 1388 Antelope Road • White City, OR 97503  
(800) 964-6466 / (541) 830-3000  
www.biomeddiagnostics.com