



## Colorex™ Salmonella Agar

Instructions for Use

10-7701 InTray™ Colorex™ Salmonella, 2"tray, 20 trays/box

10-7707 InTray™ Colorex™ Salmonella, 2"tray, 5 trays/box

### INTENDED USE

Colorex™ Salmonella agar is a chromogenic medium for selective isolation and differentiation of *Salmonella* species, e.g., *Enterobacteriaceae* and other enteric bacteria.

### DESCRIPTION AND PRINCIPLE OF USE

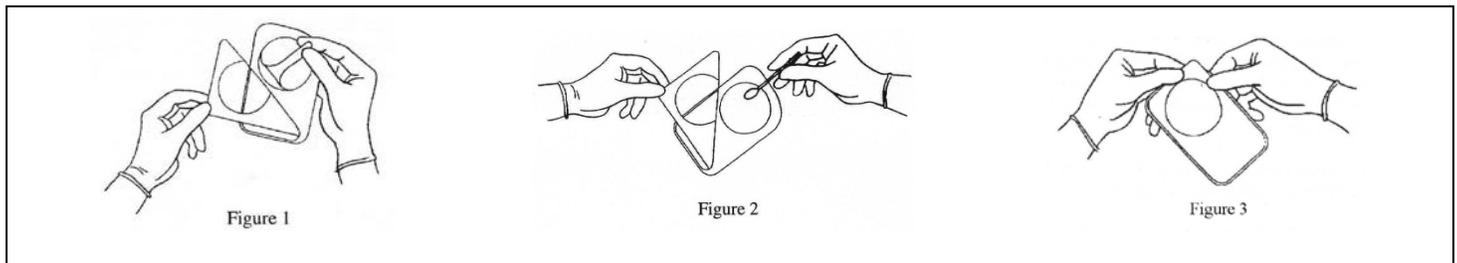
With Colorex™ Salmonella medium, *Salmonella* spp. including *S. typhi*, are distinguishable by colony color. The test can be performed with samples composed of mixed populations of bacteria, e.g stool, blood, biological fluids, surface streaks, etc. High sensitivity and specificity of the medium lead to a higher detection rate of *Salmonella* spp<sup>1</sup>. Selective agents inhibit the growth of gram-positive organisms. Artificial substrates are metabolized by specific microbial enzymes liberating insoluble chromogenic compounds. *Salmonella* species produce deep pink to mauve colored colonies. Bacteria other than *Salmonella* spp. produce blue colonies, or are colorless or inhibited.

### STORAGE

Upon receipt, store InTray™ Colorex™ Salmonella under refrigeration (2-8°C). Medium can be kept for one day at ambient temperature. Protect media from exposure to light, excessive heat, moisture and freezing. Do not open until ready to use. Do not use if the medium shows signs of deterioration, shrinking, cracking, discoloration 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!**



Streak laboratory sample onto the agar surface for isolation (Fig. 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 sample information and date. **DO NOT COVER THE VIEWING WINDOW.**

### CULTURE AND RESULTS

Incubate at 37°±2°C for 24 hours under ambient atmosphere. Colonies of *Salmonella* spp. appear deep pink to mauve. Non *Salmonella* bacteria are blue, colorless or are inhibited.

### LIMITATIONS/PRECAUTIONS

For *in vitro* diagnostic use. Some *Pseudomonas* may have similar mauve colony aspect and can be eliminated by an oxidase test. Many *S. typhi* can be detected after 24-48h incubation as mauve variable size colonies. Final identification must be done by biochemistry and serology. 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.



**INTERPRETATION**

| Organism                                    | Colony Appearance             |
|---|-------------------------------|
| <i>Salmonella</i> including <i>S. typhi</i> | Mauve                         |
| Other bacteria                              | Blue, colorless or Inhibited. |



**REAGENTS**

Colorex™ Salmonella contains agar, peptone nutrients, salts, antimicrobial selective compounds and chromogenic additives.

**QUALITY CONTROL**

All Colorex™ Salmonella Agar products are performance verified with the following ATCC® microbe strains. Product performance is also verified periodically throughout the marked shelf life of each lot.

| Organism              | ATCC® | Colony Appearance    |
|-----------------------|-------|----------------------|
| <i>S. enteritidis</i> | 13076 | Mauve                |
| <i>S. typhimurium</i> | 14028 | Mauve                |
| <i>E. coli</i>        | 25922 | Metallic blue, small |
| <i>C. freundii</i>    | 8089  | Metallic blue, small |
| <i>S. aureus</i>      | 25923 | Inhibited            |
| <i>C. albicans</i>    | 60193 | 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                               |

**REFERENCES**

1. Gaillot et al. 1999. *J Clin Microbiol*, 37:762-765

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