

## **SALMONELLA ISOLATION TRANSWAB® MW572M**

Salmonella Isolation Transwab® uses a modified XLT4<sup>1</sup> (Xylose-lysine-tergitol 4) medium to differentiate between *Salmonella spp.* and *non-Salmonella spp.* XLT-4 Medium was developed for the selective identification on agar plates of *Salmonella enteritidis* from environmental specimens containing large numbers of competing organisms. M W & E's modified version adapts the medium for use in tubes, allowing presumptive identification of *Salmonella* in environmental samples.

### **Reference**

1. Miller, RG; Tate, CR; Mallinson, ET and Scherrer, JA., 1991, **Xylose-Lysine-Tergitol 4**: an Improved Selective medium for the Isolation of *Salmonella* *Poultry Sci.* **70**;10:2429-2432.

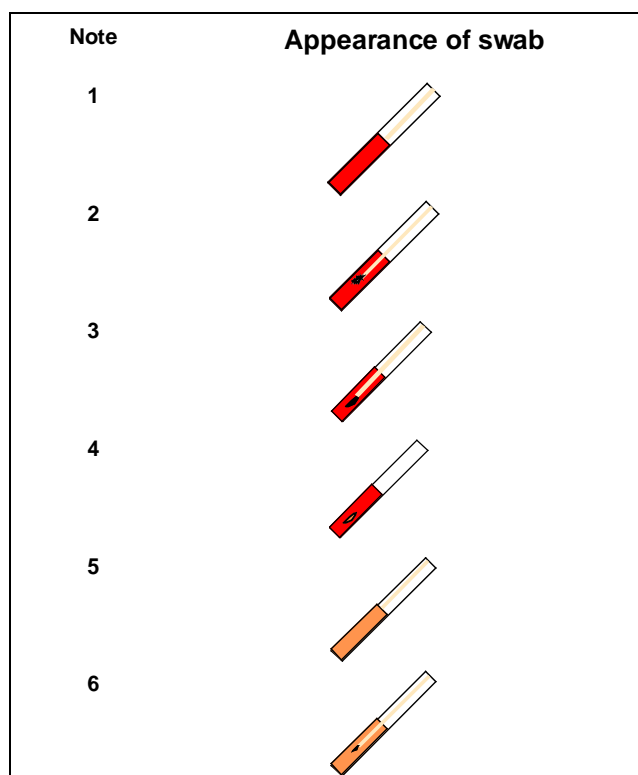
### **INSTRUCTIONS FOR USE**

1. Peel back wrapper to expose both caps.
2. Remove swab and sample test site.
3. Remove cap of culture tube with thumb and forefinger and discard.
4. Insert swab in culture tube and push down fully to immerse the swab completely.
5. Fill in site details, etc.
6. Incubate at 37°C for 24 - 48 hours, If no colour change is observed after 24hrs incubation re incubate for a further 24hrs to allow lower levels of detected organisms to grow.
7. Read results.
8. Dispose of tube.

### Expected Results based on a 10<sup>4</sup> Colony forming unit inoculation

Organism	24hrs colour change	48hrs colour change
<i>E. Coli</i>	No colour change <sup>1</sup>	No colour change <sup>1</sup>
<i>Proteus Mirabilis</i>	No colour change <sup>1</sup>	No colour change <sup>1</sup>
<i>Enterococcus faecalis</i>	No colour change <sup>1</sup>	No colour change <sup>1</sup>
<i>Salmonella enteritidis</i>	Slight change around swab some black pigmentation <sup>2</sup>	Colour change red media with black pigmentation all around swab <sup>3</sup>
<i>Salmonella typhimurium</i>	Slight change around swab some black pigmentation <sup>2</sup>	Colour change red media with some black pigmentation around swab <sup>3</sup>
<i>Enterobacter zakazakii</i>	Slight colour change media turning orange around swab <sup>4</sup>	Colour change all media has turned orange <sup>5</sup>
<i>Staphylococcus aureus</i>	No colour change <sup>1</sup>	No colour change <sup>1</sup>
<i>Citrobacter freundii</i>	Colour change orange media with black pigmentation all around swab <sup>6</sup>	Colour change orange media with black pigmentation all around swab <sup>6</sup>
<i>Psuedomonas aeruginosa</i>	No colour change <sup>1</sup>	No colour change <sup>1</sup>
<i>Listeria monocytogenes</i>	No colour change <sup>1</sup>	No colour change <sup>1</sup>

Notes 1-6 refer to colour chart



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