

TML/MSH Microbiology Department Policy & Procedure Manual	<b>Policy #MI\TECH\52\v01</b>	Page 1 of 1
Section: <b>Technical Manual</b>	Subject Title: <b>Xylose Fermentation</b>	
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## **XYLOSE FERMENTATION**

### **Principle**

A rapid chromogenic test for the identification of *E. gallinarum*.

### **Reagents**

Prolab d-xylose tablets.  
Sterile saline.

### **Other Materials**

Sterile tubes (13 x 100 mm)

### **Procedures**

1. Suspend the growth from BA in 0.25 mL saline to achieve the turbidity >#2 McFarland standard.
2. Add 1 tablet to the tube.
3. Incubate at 35 - 37<sup>0</sup>C x 2 hours.
4. Examine the tube for development of a yellow colour.

### **Interpretation**

Positive: Yellow / yellow orange colour  
Negative: Red

### **Quality Control**

The following organisms are tested weekly:

Positive: *E. gallinarum* (ATCC 35038)  
Negative: *E. faecalis* (ATCC 29212)

### **References**

1. J. Clin. Microbiol. 12, 620-623, 1980.