

## TTC/TTC D001 Dipslide

The TTC/TTC dipslide allows convenient enumeration of aerobic microorganisms (TVC). The dipslide is prepared with nutrient TTC agar on both sides and is used for general purpose cultivation of organisms which can be obtained from surfaces, fluids or the air. The additive in the nutrient agar reacts with enzymes produced in aerobic respiration to produce a colour change from white to red, allowing easy enumeration.

### **SAMPLING: Air**

The sample should be taken by inverting the paddle and inserting in the vial. Let it sit for 15 minutes exposed to the air, then replace paddle in the vial and seal tightly.

### **SAMPLING: Fluids**

The sample should be taken by immersing both sides of the paddle into the fluid to be tested, it having first been removed from the sterile container. Excess sample should be gently shaken from the paddle before it is replaced in the container.

### **SAMPLING: Surfaces**

The sample should be taken by allowing direct contact between the agar surface and the test material. The paddle is flexible and can be bent at the upper end to allow both surfaces to come into intimate contact. Bacterial recovery rate is about 50% so that sweeping an area approximately twice that of the paddle will give a more accurate result.

### **INCUBATION**

Incubate at 30oC-35oC for 24-48 hours, when full enumeration should be completed.

### **DISPOSAL**

Used slides should be incinerated or autoclaved. Alternatively, immerse in a 10% bleach solution for 24 hours.

Organism	Colony Size (mm)	Shape & Surface	Colour	Comments
<i>S. aureus</i>	1.0-2.0	CVEG	Red	—
Other <i>Staphylococcus</i> spp	0.5-2.0	CVEG	Red	—
<i>Strep. pyogenes</i>	0.1-1.0	CVEG	Red	—
<i>E. coli</i>	1.5-2.5	CVEG	Red	—
<i>Bacillus</i> spp.	2.0-6.0	various	Red	May spread

CV.E.G = Convex entirely glossy, FED = Full entire dull

### **AEROBIC MICROBES - TVC**

Fluids

