



## 847 Bacteria, Fungi & Yeast Dip Slides

# #847

## Dip Slides for Aerobic Bacteria, Fungi & Yeast

Dip Slide technology is designed to allow easy interpretation of aerobic bacteria, fungi, yeast & moulds from fluids and surfaces. Nutrient TTC agar (transparent looking agar) is used for the general cultivation of aerobic organisms and allows for a total viable count of a sample. The malt agar (darker looking agar) is selective for fungi, moulds & yeasts.

**\*Please store dip slides in a cool and dry environment. Large variations in temperature can lead to condensation forming inside the dip slide vial and/or can lead to dehydration of the agar.**

### Interpretation of Bacteria (Transparent Side)

Bacteria grows as Red or colorless colonies. To determine the number of bacteria, compare the colony density on the transparent side with the colony density on the Nutrient TTC chart. Colorless colonies should be included in the comparison. It is in the number of colonies, not the size of the colonies that is important. Microbial counts in excess of  $10^6$  may appear as a uniform pink or red layer. To obtain an accurate count on such samples dilution of the sample is required.

### Interpretation of Fungi & Yeasts (Brown Side)

The brown side will detect the presence of yeasts and/or fungi. Yeasts grow as smooth round colonies and fungi as fuzzy colonies. Growth on this side may consist of pure yeast or fungi or a mixture of both. Growth and type should be recorded when first seen but incubation should be continued for 4-5 days to obtain good evaluation of possible fungal contamination. To estimate yeast/fungi levels compare growth on Malt chart.

### Instructions for Use

#### Fluids

1. Remove the dip slide from the vial by pulling the white handle while holding on to the outer cover. Be careful NOT to touch the agar coated dip slide.
2. Dip or immerse both sides of the slide into the fluid to be tested, covering the agar for a minimum of three (3) seconds.
3. Allow the excess fluid to drain from the slide. Remove remaining drops by gently shaking from paddle before replacing it back into the vial.
4. After sampling, the dip slide should be incubated in the upright position at 30°C-35°C (86°F-95°F). The dip slide should be examined in the plastic vial for growth 24 hours after the commencement of incubation and after a total of 48 hours of bacteria growth. The fungal side should be examined after 48 hours and daily thereafter up to a total of five (5) days growth.

#### Surfaces

1. Remove the dip slide from the vial by pulling the white handle while holding on to the outer cover. Be careful NOT to touch the agar coated dip slide.
2. Press each side of the dip slide paddle in different locations on the desired surface. Replace the exposed dip slide paddle back into the vial.
3. After sampling, the dip slide should be incubated in the upright position at 30°C-35°C (86°F-95°F). The dip slide should be examined in the plastic vial for growth 24 hours after the commencement of incubation and after a total of 48 hours of bacteria growth. The fungal side should be examined after 48 hours and daily thereafter up to a total of five (5) days growth.

