

Lovibond® Water Testing

Tintometer® Group



D003 TTC/ROSE - Yeast, Moulds, Fungi & TVC

Order Code: 56B010310

The TTC/ROSE dipslide allows convenient enumeration of aerobic microorganisms (TVC) including yeasts and moulds in a single test. The dipslide is prepared with nutrient TTC agar on one side (responsive to aerobic microbes) and an rose bengal agar with chloramphenicol which selects for yeasts and moulds, for use in the food industry. The TTC/ROSE dipslide is also ideal for use in detection of hydrocarbon utilizing micro-organisms found in fuel storage. These micro-organisms cause blockages to fuel filters and the acidic metabolites can cause tank erosion. 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.

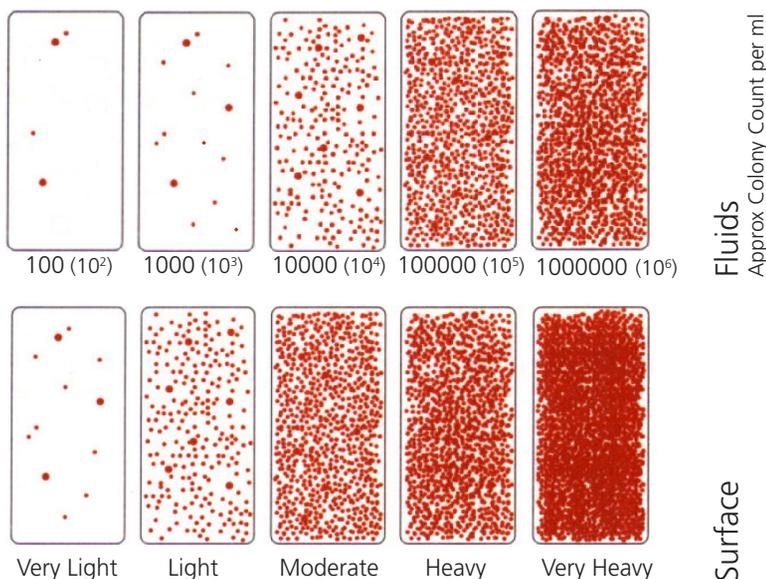
INCUBATION: Incubate at 30°C-35°C for 24-48 hours, when full enumeration should be completed.

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

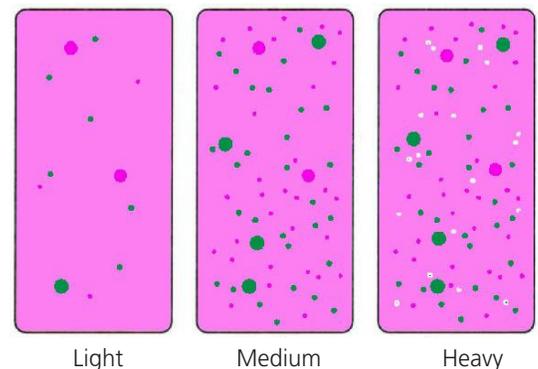
Organism	Colony Size (mm)	Shape & Surface	Colour	Comments
<i>Rhizopus</i> spp.	<13.5	Fluffy	White / Pink	----
<i>Mucor</i> spp.	<12.5	Fluffy	White	----
<i>Fusarium</i> spp.	<10	Fluffy	White / Pink	----
<i>Aspergillus flavus</i>	<8	Flat & hyphae	Yellow / Green	Hyphae
<i>Candida</i> spp.	<1.5	CV.E.G	White	----

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

AEROBIC MICROBES - TVC



Yeasts and Moulds



White / Pink

Rhizopus spp., *Mucor* spp., *Fusarium* spp.,
Candida spp.

Yellow / Green

Aspergillus flavus