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TTC/MALT D002 Dipslide

The TTC/MALT dipslide allows convenient enumeration of aerobic microorganisms (TVC) as well as fungi, moulds and yeasts in a single test. The dipslide is prepared with nutrient TTC agar on one side (responsive to aerobic microbes) and an acidic malt agar which selects for the growth of yeasts and moulds. 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: 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.

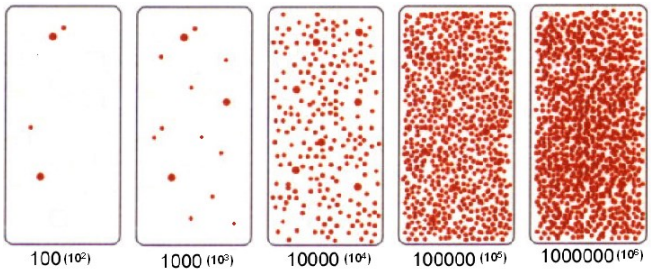
INCUBATION
Incubate at 30°C-35°C for 24-48 hours. For Yeast and Moulds leave for up to 5 days.

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
Candida albicans	1.0-3.0	CV.E.D	White	—
Mucor spp.	Spreading	FED	White	—
Penicillium notatum	Spreading	Fluffy	Green velvet	—
Aspergillus flavus	Spreading	—	White/ Black	Yellow/ White
Aspergillus niger	Spreading	—	White/Black	Yellow/ Centre

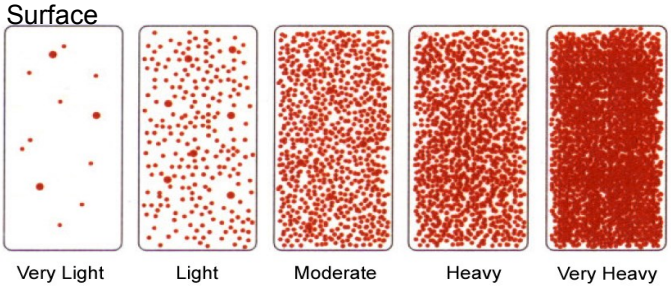
CV.E.G = Convex entirely glossy, FED = Full entire dull

AEROBIC MICROBES - TVC
Fluids

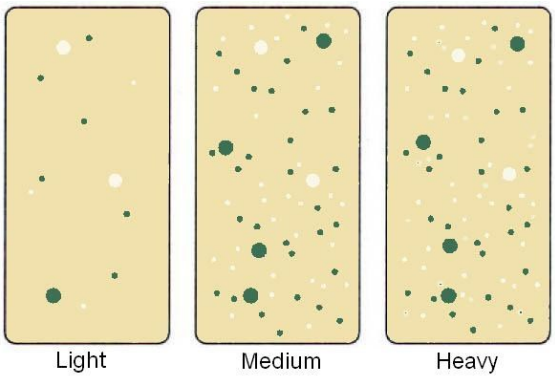


Approx Colony Count per ml

Surface



YEASTS AND MOULDS



White/ Buff
Mucor spp., *Candida spp.*
White/ Black
Aspergillus flavus, Aspergillus niger
Green
Penicillium notatum

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