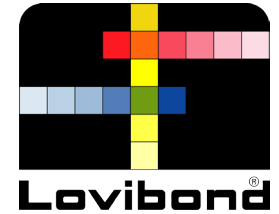


Lovibond® Water Testing

Tintometer® Group



D011 R2A / R2A - TTC for Potable Water

Order Code: 56B011110

The R2A medium was developed to assess the bacteria plate counts of treated potable waters and the detection of oligotrophic heterotrophs. R2A is a low nutrient agar which in conjunction with a longer incubation period has been shown to give significantly higher colony counts. For ease of enumeration 2,3,5-triphenyltetrazolium chloride (TTC) has been added which dyes colonies red. R2A Agar is recommended in Standard Methods for the Examination of Water and Wastewater for pour plates, spread plate and membrane filter methods for heterotrophic counts.

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.

INCUBATION

Incubate at 30°C-35°C for 24-48 hours, or alternatively at 20°C for 5-7 days when full enumeration should be completed.

DISPOSAL

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

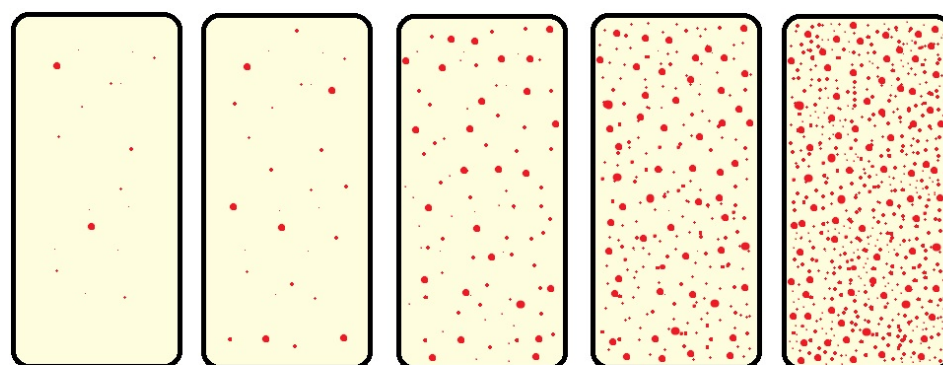
Organism	Colony Size (mm)	Shape & Surface	Colour	Comments
<i>A. hydrophila</i>	1.0-2.0	CV.E.G	Red	----
<i>P. fluorescens</i>	0.5-2.0	CV.E.G	Red	----
<i>Strep. pyogenes</i>	0.1-1.0	CV.E.G	Red	----
<i>E. coli</i>	1.5-2.5	CV.E.G	Red	----

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

AEROBIC MICROBES - R2A
Fluids

Approximate Colony Forming Units per ml (CFU/ml)

R2A



100 (10²)

1000 (10³)

10000 (10⁴)

100000 (10⁵)

1000000 (10⁶)