



# RX MARINE INTERNATIONAL

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## WATER TESTING MEDIUM

N.R.D.C. Lincence

This medium is meant for checking microbiological quality of water. Water borne diseases like typhoid, cholera, diarrhoea and jaundice and caused by polluted water supply. The conventional method of testing the microbiological quality of water needs the services of a qualified microbiologist, laboratory facilities and takes 72 hrs to know the result. Further the laboratory may charge any amount per sample for the test. The new screening test, done at the field itself, dispenses with all the problems and will cost much less.

### METHOD OF TESTING WATER :

Dry and sterile media are provided in the screw capped bottle which are ready for use. Fill the water to be tested upto the upper level mark of the bottle. Shake the bottle gently. After 5 minutes, keep the bottle at room temperature of 30 to 30°C or in the incubator at 37°C or in curdomatic for 18 hrs. If none of these are available, the bottle can be kept in the pocket while sleeping in the night. The following changes may be observed:

1. No change in the colour of water in the bottle / Yellow tinge → Water is fit for drinking.
2. Water in the bottle turns black (Fig.) → Water is unfit for drinking  
Water may have disease causing bacteria.  
hence it has to be boiled or chlorinated before drinking.

### ADVANTAGE OF THE TEST :

- (a) It is a field test, hence water samples can directly be collected from the tap.
- (b) No need to remove the chlorine in chlorinated water since the content of the bottle instantaneously removes it.
- (c) No need to measure the volume of water as the level of label indicates it as 20 ml.
- (d) The test is simple, rapid and inexpensive.
- (e) The test can be done even by uneducated person in the field.

