

## Bactacheck Vial for Bacteriological Test of Drinking Water.



# Bactacheck



Many water borne micro-organisms cause infection / disease , so water should be free from disease causing bacteria, virus etc. Water becomes contaminated if human or animal excreta are released into water. As a result many diseases are caused such as Polio, Jaundice, Cholera, Typhoid, Dysentery, Diarrhea and enteric diseases.

### What is Bactacheck Test Kit?

**Bactacheck** ready to use simple device based on hydrogen sulphide indicator bacteria for carrying out bacteriological examination of drinking water.

**Bactacheck** paper strip treated with media is kept in bottle. The water sample is filled in the bottle and kept for 24 to 48 hours at room temperature (25 to 37 C).

If bacteria are present in the sample, they produce hydrogen sulphide, which turns water sample black.

### Features of Bactacheck Test Kit-

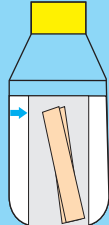

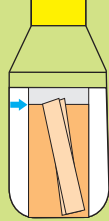

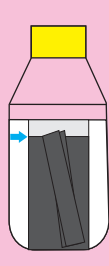
1) **Ready to use** : The water sample (20 ml) from the source can be directly taken in to the pressurized **Bactacheck** bottle. Presterilized bottle contains premeasured sterile media on paper strip. There is no need of preparation and sterilization of media or sterilization of bottle. Bacteriological test of sample water (20 ml) starts at sample source.

2) **Simplicity** : **Bactacheck** kit's bacteriological test is so simple that even a layman can perform it. For the reason it is most suited for rural & remote areas and for those who do not have infrastructure to carry out standard microbiological tests.

## Test the Water with Bactacheck & Make Your Drinking Water Safe

- 3) **Economical** : **Bactacheck** test kit is most economical proposition. It does not require any set up or laboratory or services of microbiologist.
- 4) **Portability** : **Bactacheck** Test Kit is made up of Bottle, light in weight, easy to carry anywhere, anytime.
- 5) **Disposable** : Destroy after use.
- 6) **Confidence** : Results are reliable, meaningful and reproducible.
- 7) **Illustrative Direction** : Simple to follow illustrative direction are given below explains the use of the test kit.

### Directions For Use With Schematic Diagrams

<p><b>BACTACHECK Bottle Filled with media.</b></p> <p>एच२एस बॉटल मिडिया सहित</p> 	<p><b>METHOD OF TESTING WATER :</b></p> <p>Prior to conducting test please wash hands thoroughly with soap. Dry and sterile media are provided in the screw capped bottle which is ready for use.</p> <p><b>प्रयोग विधि :</b></p> <p>स्क्रू युक्त ढक्कनवाली बोतल में सुख्खा व जंतू रहित मिडिया तुरंत उपयोग के लिये दिया है ।</p>
<p><b>BACTACHECK Bottle Filled with test Water upto Arrow Level.</b></p> <p>परीक्षण पानी को बाण के निशान तक भरीये । २४ से ४८ घंटोतक रखें</p> 	<p>Fill the water to be tested up to the arrow level. Shake the bottle gently after 5 minutes. The following changes may be seen : The contents will be yellowish brown in colour keep the bottle at 25° C to 37° C for 24-48 hours or keep the bottle in the pocket while sleeping in night so that it remains at body temperature.</p> <p>बॉटल पर दर्शाये हुऐ बाण के निशान तक पानी भरिए (२० मि.ली.) बॉटल में रखी पट्टी को पानी में भीगने दिजीए और थोडा हिलाइये । पानी का रंग पेपर के अंदर के मिडिया की वजह से धीरे-धीरे पीले रंग से भूरे रंग में बदल जायेगा ।</p> <p>बॉटल को २४ घंटे से ४८ घंटो तक जहाँ का तापमान २५° से ३७° से ग्रेड हो वहाँ पर रखें । या जेब में रात सोते वक्त रखे । बाद में पानी का रंग पीला भूरा दिखेगा ।</p>
<p><b>BACTACHECK Bottle with test water no change in colour after 24 hours. Water is fit for Drinking.</b></p> <p>पानी का रंग न बदला हो तो पानी पीने योग्य है ।</p> 	<p><b>Observe the colour of the Solution.</b></p> <p><b>No Change in colour :</b> Water is fit for Drinking.</p> <p>अगर पानी का रंग वही रहा : यह पानी पीने के लिये योग्य है ।</p> 
<p><b>BACTACHECK Bottle with test water turned into black colour after 24 hours. Water is unfit For Drinking.</b></p> <p>पानी का रंग यदि काला हो गया होतो वह पीने योग्य नहीं है ।</p> 	<p><b>Water in the bottle turns Black</b> : It indicates the presence of Salmonella or Citrobacter in water.</p> <p>अगर पानी का रंग काले : पानी में सल्मोनेल्ला या सिट्रोबैक्टर जिवाणू मौजूद है । रंग में बदल जाये</p>



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