

Biological Activity Reaction Test (BART) KITS

HAB - Heterotrophic Aerobic Bacteria

DESCRIPTION

Often you need to test water for the presence of bacteria without trying to determine the particular groups of bacteria that may be present. When total aerobic bacteria are present and active, the blue dye in the BART bleaches either from the bottom up or the top down.

The test measure the ability of the total aerobic bacteria to respire while degrading the various nutrients in the dehydrated culture medium. Methylene blue, the dye, acts as an alternative to oxygen for microbial respiration. When the microbes respire, the methylene blue changes to a colourless form. The faster the dye is bleached, the greater the level of respiration and the larger or more aggressive the total aerobic bacteria population.

Aerobic bacteria can cause several problems in water, including slime formations, turbidity, taste and odour, corrosion, health risks, and hygiene risks. When a problem is detected, you may want to conduct more testing to determine precisely the nature of the microbial problem. You can use other BARTs to detect several types of bacteria.



- **Patented:** BART kits utilize a proprietary testing reagent to deliver highly accurate results.
- **Affordable:** Laboratory quality results at an affordable price.
- **Field Ready:** Small, lightweight, and highly portable, BART kits are designed to be used in the field.
- **Rapid Results:** Receive your results within 8 days or less.

Eliminate the Guesswork

Establish the Bacterial Type and Severity

Develop a Targeted Treatment

Verify Treatment Effectiveness

Determine Maintenance Intervals

ALSO AVAILBALE:



Sulfate Reducing Bacteria SRB Biological Activity Reaction (BART) Test



Iron Related Bacteria IRB Biological Activity Reaction (BART) Test



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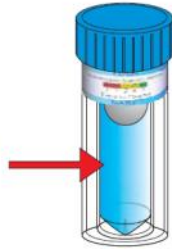
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Overview

Present/Absent - observe daily for 4 days.

ABSENT
(Negative - Non-aggressive)

The solution is Blue.



PRESENT
(Positive - Aggressive)

Bleaching of blue.



1. View test each day for 4 days.
2. Observe any color changes.
3. Compare with descriptions.

Advanced test information.

Determination of Dominant Bacteria



Blue Bleaching Up
from Bottom (**UP**) -
Aerobic Bacteria.



Blue Bleaching Down
from Top (**DO**) - Anaerobic.

Determination of Potential HAB Population - observe daily for reaction.

Days to reaction - Approximate HAB Population (cfu/mL)



1 - 5,400,000
2 - 575,000

Aggressive



3 - 61,000
4 - 6500

Moderate



5 - 700
6 - <75

Not Aggressive