

Biological Activity Reaction Test (BART) KITS

ALGE - Micro Algae

DESCRIPTION

The ALGE-BARTs contain a ball, dehydrated medium, and geo-textile. Add water sample until the water reaches the top of the textile. Below the ball, there is a layer of textile into which the algae can grow. Nutrients to support algal growth diffuse into the water sample from dehydrated medium deposits in the base of the tube.

Algae include various plant-like microorganisms, which can photosynthesize using light as the energy source for growth. Several types of algae can grow in the ALGE-BARTs, including: Grass-Green Algae (Chlorophyceae), Blue-Green Algae (Cyanobacteria), Desmids, Diatoms, and Euglenoids. The ALGE-BART can be used as a simple presence/absence (P/A) test capable of indicating, to some extent, the population size and the types of algae present in the sample.



- **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 24 days or less.

Eliminate the Guesswork

Establish the Bacterial Type and Severity

Develop a Targeted Treatment

Verify Treatment Effectiveness

Determine Maintenance Intervals

ALSO AVAILABLE:



Sulfate Reducing Bacteria SRB Biological Activity Reaction (BART) Test



Slime Forming Bacteria SLYM Biological Activity Reaction (BART) Test



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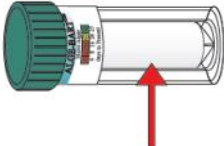
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ALGE - Micro Algae

Overview

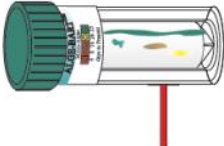
Present/Absent - observe a minimum 3 times a week.

ABSENT
(Negative - Non-aggressive)



Textile remains White.

PRESENT
(Positive - Aggressive)









Growth on textile.

1. View test a minimum 3 times a week for 24 days.
2. Observe any growths/color changes.
3. Compare with descriptions below.




















Advanced test information.

Determination of Dominant Bacteria

 <p>GREEN(GG) growth at or below water line - <i>Chlamydomonas</i>.</p>  <p>BRIGHT GREEN FUZZY(FG) patches of growth on textile - <i>Chlorophyceae</i>.</p>  <p>RED, ORANGE, or BROWN(OB) patches of growth on textile - <i>Diatoms & Desmids</i>.</p>	 <p>LIGHT YELLOW to BEIGE(YB) patches of growth on textile - <i>Scenedesmus</i>.</p>  <p>GREEN(GF) deposits floating in water and on floor of test - <i>Chlorella</i>.</p>  <p>DARK-GREEN, BLUE-GREEN, or BLACK(DG) growths at water line - Blue-green Algae (<i>Cyanobacter</i>).</p>
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Determination of Potential ALGAE Population - observe daily for reaction.

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

 <p>2 - 155,000</p>  <p>3 - 105,000</p>  <p>4 - 72,000</p>  <p>5 - 50,000</p>  <p>6 - 34,000</p>  <p>7 - 23,000</p>	 <p>9 - 11,000</p>  <p>11 - 5000</p>  <p>13 - 2400</p>  <p>15 - 1100</p>  <p>17 - 540</p>  <p>19 - 250</p>	 <p>20 - 175</p>  <p>21 - 120</p>  <p>22 - 80</p>  <p>23 - 55</p>  <p>24 - 40</p>	 <p>25 - 25</p>  <p>26 - <20</p> <p>Not Aggressive</p>
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Aggressive
Moderate



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We reserve the right to modify, discontinue or make adaptations to these products at our discretion. For full technical details, please refer to instructions.