

Biological Activity Reaction Test (BART) KITS

APB - Acid Producing Bacteria

DESCRIPTION

Acid producing bacteria (APB) are formed by a variety of heterotrophic bacteria that share the common ability to produce organic acidic products when growing under reductive conditions. These APB cause the pH to drop significantly from neutral to acidic conditions ranging from terminal pH levels from 3.5 to 5.5.

These mildly acidic conditions are sufficiently corrosive to be significant to the integrity of any metallic structure. Because of these acid-producing activities occur in the absence of oxygen, it has been found that the APB are very likely to be significant partners in corrosion associated with the sulfate reducing bacteria (SRB) particularly in the oil and gas industry. As a result the management and control of corrosion frequently involves assessing the aggressivity of both the APB as well as the well-recognized SRB.



- **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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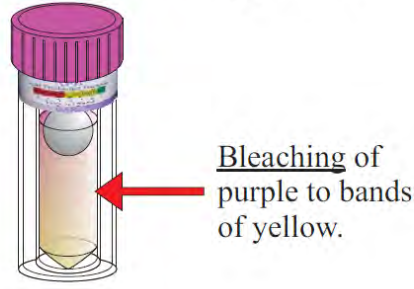
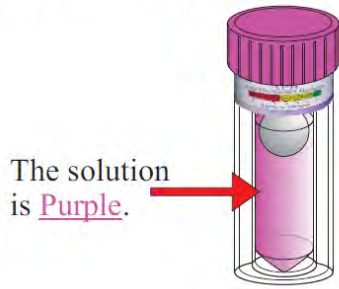
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Overview

Present/Absent - observe daily for 8 days.

ABSENT
(Negative - Non-aggressive)

PRESENT
(Positive - Aggressive)



1. View test each day for 8 days.
2. Observe for a discolored yellow color in the lower section of test vial.
3. Aggressivity can be determined using the chart below.

Advanced test information.

Dominant Bacteria - gRAM negative fermenting bacteria.



Determination of Potential APB Population - observe daily for reaction.

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



1 - 475,000
2 - 82,000
3 - 14,000

Aggressive



4 - 4500
5 - 450
6 - 75

Moderate



7 - 10
8 - <2

Not Aggressive



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