

Biological Activity Reaction Test (BART) KITS

FLOR - Fluorescent Pseudomonads

DESCRIPTION

Pseudomonad bacteria are often present in waters that contain oxygen and are rich in organic pollutants (e.g., gasoline, jet fuel, solvents). The presence of pseudomonad bacteria may indicate that aerobic biodegradation is occurring and biofouling may also be happening within the system being tested. Some pseudomonad bacteria that produce the fluorescent pigments (pigments that glow in ultraviolet light) may be a hygiene risk. The faster that clouding and fluorescence happens, the more aggressive are the pseudomonad bacteria.

Pseudomonad bacteria can cause a range of problems in water, including slime formations, turbidity, taste and odor, corrosion, biodegradation, and hygiene risks. Pseudomonad bacteria produce distinctive odors such as “fishy” or “kerosene-like” odors. In recreational waters (such as swimming pools, hot tubs, restricted natural bathing sites), the presence of aggressive fluorescent pseudomonads can cause skin, eye, ear, and urinary tract infections.



- **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 AVAILABLE:



Sulfate Reducing Bacteria SRB Biological Activity Reaction (BART) Test



Iron Related Bacteria IRB Biological Activity Reaction (BART) Test



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Overview

Present/Absent - observe daily for 8 days.

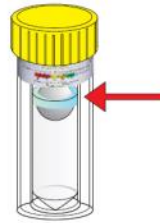
ABSENT
(Negative - Non-aggressive)

The solution has NO glow around ball under U.V. light.



PRESENT
(Positive - Aggressive)

Glowing around ball under U.V. light.



1. View test each day for 8 days.
2. Observe any growths/color changes.
3. Compare with descriptions.

Advanced test information.

Determination of Dominant Bacteria



Pale Blue(PB)
Glowing
- *Pseudomonas aeruginosa*.



Greenish-Yellow(GY)
glowing -
Pseudomonas fluorescens.



Cloudiness(CL)
- No glowing -
Non-fluorescing
pseudomonas.

*Note: A stamp collectors U.V. Light is adequate to view glowing.

Determination of Potential FLOR Population - observe daily for reaction.

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



1 - 2,000,000
2 - 425,000
3 - 90,000
4 - 19,000
5 - 4000

Aggressive



6 - 800
7 - 170
8 - 35

Moderate



9 - 7
10 - <1

Not Aggressive