

# Biological Activity Reaction Test (BART) KITS DN - Denitrifying Bacteria

## DESCRIPTION

Denitrifying bacteria indicate the decomposition of waste organic nitrogenous materials. These bacteria reduce nitrate to nitrite and some continue nitrification to gaseous nitrogen (complete denitrification). In water, aggressive denitrifiers can indicate high concentrations of nitrates, and that the sample is probably anaerobic and relatively rich in organic matter.

The presence of denitrifying bacteria can indicate that the water has been polluted by nitrogen-rich organics from sources such as compromised septic tanks, sewage systems, industrial and hazardous waste sites. If highly aggressive bacteria are detected, the water should be tested for the presence of coliform 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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Overview

**Present/Absent - observe daily for 4 days.**

**ABSENT**  
(Negative - Non-aggressive)

NO Foam  
around ball.



**PRESENT**  
(Positive - Aggressive)

Foam around  
ball.



1. View test each day for 4 days.
2. Observe any growths.
3. Compare with description.

**Advanced test information.**

Determination of Dominant Bacteria



FOAM around ball (**FO**) - Denitrifying Bacteria.

Determination of Potential DN Population - observe daily for reaction.

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



1 - 1,800,000  
2 - 215,000

Aggressive



3 - 25,000  
4 - 3000

Moderate



5 - 350  
6 - <50

Not Aggressive



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