

Micro Testing Simplified!



BioPaddles®

- Ready to use. Saves time!
- Longer shelf-life than traditional Petri dishes
- No refrigeration required

BioPaddles® are flexible dual-agar paddles each containing microbe-specific media enclosed in a sterile vial. Identify and quantify microbes in air, soil, water, or any surface!

Liquid Sampling: Remove the paddle from the vial and fill the vial [approximately 40ml] with the sample. Insert the paddle, swirl for 15 seconds. Pour out the liquid, replace the paddle in the vial, and incubate.

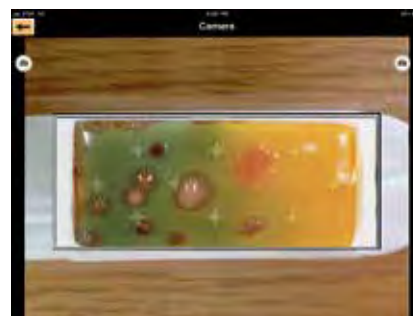
Surface Sampling: Remove the paddle from the vial and gently touch each paddle media surface to the sample surface. Replace paddle in the vial and incubate.

Air Sampling: Remove the paddle from the vial. Invert and mount the circular cap into the vial, exposing the agar covered paddle. Expose for 15 minutes. Replace the paddle in the vial and incubate.

All BioPaddles® products come with a **free app! LaMotte BioPaddles Colony ID™ App** lets users compare colony examples on BioPaddle agar types from 5 microhabitats [air, water, soil, surface and food]. Also contains information regarding organisms, microbiological techniques, and more!

For fresh, brackish, and salt water use.

BioPaddles® Products—all packaged 10 paddles per box. Includes general instructions and provides access to detailed Technical Documents for each paddle type.



Type Of Agar[s]	Description	Code
Nutrient	For routine culture of non-fastidious bacteria.	5550
Sabouraud Dextrose	For selective cultivation of fungi [yeasts and molds]	5551
Tryptic Soy [TSA]/ Rose Bengal [RB]	For cultivation of a wide variety of microorganisms [TSA] and selective isolation of yeasts and molds [RB].	5552
Nutrient TTC/ MacConkey	TTC. For field sampling cultivation and enumeration of coliform bacteria total coliform count [TCC]. Gram [-] bacterial colonies appear as red dots. Gram [+] bacteria are usually inhibited. MAC. Medium gives improved differentiation between coliforms and non-lactose fermenting organisms. Gram [+] cocci are usually inhibited.	5553



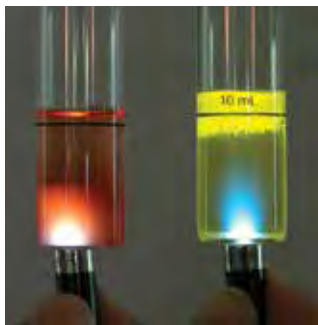
<https://itunes.apple.com/us/app/id567584998>

Ship Codes: [NH] Non-Hazardous Material - No Fees · [R1, r1] Small Qty. Hazardous Material - No Fees · [Lq, LQ, R2, r2, R3, r3] Hazardous Material - Air Fees Only · [HF] Hazardous Material - Air & Ground Fees
* [NPQWR] EPA Accepted · † [NPDES] EPA Accepted · Direct Reading Titrators have a specific range, but may be refilled to test higher concentrations.

Total Coliform & E. coli Bacteria Test · 4-3616-UV

A simple 5-tube method to indicate the presence or absence of Total Coliform & E. coli Bacteria in drinking water. E. coli produces fluorescent compound.

- Presumptive test for Total Coliform & E. coli Bacteria
- NO incubation equipment required
- Results in 44-48 hours at room temperature
- (70° - 85°F) or 24-hours at 110°F
- 18-month shelf life
- UV light source included (365 nm)
- Portable, no accessory labware required
- Ideal test for well water and coliform breakthrough in distribution systems
- Independent laboratory tested (results available upon request)



Negative Positive



Coliform Screening Test · 4-3616-UV

A simple 5-tube method to indicate the presence or absence of Total Coliform Bacteria in drinking water:



- Presumptive test for Total Coliform Bacteria
- NO incubation equipment required
- Results in 44-48 hours at room temperature (70° - 85°F)
- 18-month shelf life
- Portable, no accessory labware required
- Ideal test for well water and coliform breakthrough in distribution systems
- Independent laboratory tested (results available upon request)

Code	Test System	Range/Sensitivity	# of Tests [# of Reagents]	Shipping Code [Wgt./lbs]
4-3616-UV	Tableted nutrient based on 5 tube MPN	Presence/Absence	1 [1]	NH [1]
4-3616	Tableted nutrient based on 5 tube MPN	Presence/Absence	1 [1]	NH [1]

Biological Activity Reaction Test

A simple yet effective method for monitoring the population size and/or activity of specific groups of bacteria.

BART Biodetector

With BART, you can monitor for Iron Related Bacteria [IRB], Sulfate Reducing Bacteria [SRB] and Heterotrophic Aerobic Bacteria [HAB] – the three most important agents involved in biofouling. Other BART systems are described below. These bacteria can cause corrosion, clogging, fouling of the water, and increased hygiene risks, so it is important to have an easy and accurate method of determining their presence and level of activity.

Easy to Use

The BART Biodetector requires no microscope, no laboratory, and no incubator! The test is done at room temperature in your office or treatment room, on a desk, shelf, or in a cupboard, and is viewed daily. Different microorganisms like to grow at different heights in a column of water to which nutrients have been added. BART biodetectors contain nutrients in the base of a column and a ball. The ball restricts the amount of oxygen entering the water column, so that aerobic organisms grow around the ball and anaerobic organisms grow deep down in the water column. By changing the nutrients in the base of the column, different organisms are encouraged to grow. BART determines presence and activity levels.



Easy to Analyze

The time taken for a color change [reaction] to occur gives a measure of the population size and activity. A color change occurs in the BART tube as a result of the oxygen gradient diffusing from the bottom upward. The change of color indicates a presence of bacteria within that sample. Interpretation is provided with the kit.

The Test

Full instructions for the use of BART biodetectors are included with your purchase. Each individual test consists of:

- Test vial with media and BART ball
- Outer tube for spill containment, odor control, disinfection, and disposal

To Order

Each kit number below includes nine [9] BARTs. Each BART test is color-coded for quick and easy recognition.

BART Color	Test	Order
Red	Iron Related Bacteria - IRB-BART	5-0024
Black	Sulfate Reducing Bacteria - SRB-BART	5-0025
Lime green	Slime Forming Bacteria - SLYM-BART*	5-0026
Combo	Three each of IRB-, SRB-, and SLYM-BART	5-0032
Blue	Heterotrophic Aerobic Bacteria - HAB-BART	5-0027

*The SLYM-BART requires the use of a fluorescent lamp [Order Code 5-0033]

The screw-cap should be tightened on the BART tube so that casual leakage, such as from tipping the tube over, can be prevented.

Aerobic growth of bacteria will occur at the surface of the sample between the BART-BALL and the wall of the BART tube.

15 mL of water sample is used to bring the BART-BALL up to the correct level. Nutrients will gradually diffuse up the water column to support this bacteria growth.

Once the oxygen has been used by the aerobes, this zone becomes free of oxygen and anaerobic growth will dominate.

Nutrient medium for growth is provided as a sterile dried pellet on the floor of the tube.

