

Easy-to-use
BACTASLYDE®
Microbe Detection Device



Dip Slides



Pouch Products

RAKIRO BIOTECH SYSTEMS PVT LTD
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BACTASLYDE : Comparison with Other Methods

Methods	No. of Steps involved	Trained manpower	Pre treatment of sample	Maintenance	Convenience	Capital Investment
Plate Count Method	6	Required	Not Required	Required	Tedious	Required
Most Probable Number	6	Required	Not Required	Required	Tedious	Required
Membrane Filter	6	Required	Not Required	Required	Tedious	Required
Direct Counts	4	Required	Required	Required	Convenient	Required
Bioluminescence	3	Required	Essential	Required	Convenient	Required
Direct Epifluorescence Technique (DEFT)	6	Required	Essential	Required	Convenient	Required
BACTASLYDE	1	Not Required	Not Required	Not Required	Most Convenient	Not Required

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Iron oxidizing bacteria occur worldwide in fresh water, sea and brackish waters. They derive the energy they need to live and multiply by oxidizing dissolved ferrous iron or manganese. Generally, most species oxidize ferrous or manganese oxides in their extracellular structures like sheaths or stalks, rather than inside their own cells. The resulting oxide is insoluble, and appears as yellow, brown slime especially in iron bearing waters, adhering to stones or water plants or even soil. Problems occur when bacteria build up in well systems and reduce well yields by clogging screens and pipes. They comprise of the various species like Sphaerotillus, Leptothrix, Crenothrix, Gallionella & Siderocapsa. BS PP1 is supplied in packs of 5 along with complete instructions for a qualitative analysis of the contamination.

IRON BACTERIA

BS PP1



How to use



1. Media pouch
& sterile bottle



2. Cut open the
pouch carefully



3. Pour the contents
of pouch into bottle.



4. Pour Test Water
Sample up to red mark.

5. Keep in a warm place for 24 to 72 hours.

Observations

6. Observe for the presence of a brownish Floc in the bottle.
7. **The Brownish Floc indicates the presence of Iron Bacteria.**

BACTASLYDE : Application in Different Industries

Industry	Application	Bactaslyde Code
Paint & Pigments	Process & production waters, raw materials, Finished products (water based paint & pigments)	BS 101, BS 102, BS 103
Metal Working Fluids	Cutting oils, coolants in the sump, raw water (make-up)	BS 101, BS 103, BS 115
Cooling Water Systems	Make-up waters, cooling waters, (recirculating water, basin water) Close systems	BS 103, BS 115, BS PP1 BS 125, BS 130
Food Processing Industry	Raw materials (e.g. cream, milk, meat, fish, vegetables), Water used for production and cleaning purpose, finished products (e.g. meat / fish preparations, cakes, soups, sauces, jams, squashes,spices)	BS 101, BS 102, BS 103, BS PP2, BS PP3, BS PP4
Pulp & Paper Industry	White waters (slurry and pulp mixtures), process waters	BS 101, BS 103, BS 115 BS 125
Sugar Industry	Primary, mixed, clarified juice, process waters, finished sugar	BS 101, BS 103, BS 115
Water Treatment Chemical Manufacturers	Laboratory and onsite, evaluation of biocides	BS 103, BS 115, BS PP 1 BS 125, BS 130

Industry	Application	Bactaslyde Code
Manufacturers Bulk Drug	Process waters, production water, (demineralized water)	BS 103, BS 115
Manufacturers Water & Waste Water Treatment Systems	Monitoring of waste water at different stages	BS 102, BS 103, BS 115 BS 125
Cosmetics	Process waters. (demineralized water) raw materials, finished product.	BS 101, BS 102, BS 103, BS PP 2, BS PP 3
Dairy	Raw milk, pasteurised milk, evaluation of the cleaning-in-process.	BS 101, BS 102, BS 103 , BS PP 2, BS PP 3
Brewery	Process waters, pasteurised Beer fermentation broth.	BS 101 , BS 102, BS 103, BS 115
Water Based Adhesives	Process waters, raw materials, finished product	BS 101, BS 103, BS 115
Oil and Petroleum	Injection waters, fuel (petrol, aviation)	BS 101, BS 103, BS 115
Fisheries	Ponds, Sea water, Processed products	BS 102, BS PP 2, BS PP 3, BS PP4

BS 101 - Yeasts & Fungi + TBC **BS 102** - Escherichia coli + TBC **BS 103** - Pseudomonas + TBC **BS 115** - SRB **BS 125** - Algae Species
BS PP1 - Iron Bacteria **BS PP 2** - Salmonella Species **BS PP 3** - Staphylococcus Species **BS PP 4** - Vibrio Species. **BS130** : Nitrifying / Denitrifying Bacteria

Our Other Product Range

AQUASOL

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Calcium Hardness Carbon Dioxide Chloride Chlorine Chlorine Dioxide
Chloroscope Chromate Copper Dissolved Oxygen Fluoride
Hydrazine Hydrogen Peroxide Iron Molybdate Nitrate Nitrite
Orthophosphate pH Phosphonate Silica Sulphate Sulphite
Tannin Total Hardness Turbidity Zinc

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