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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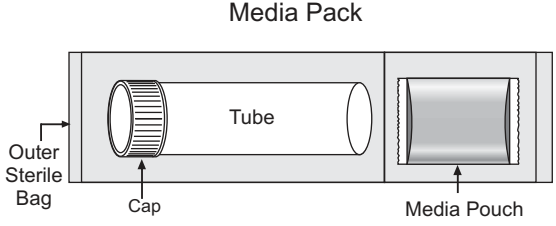
ALGAE
BS 125

Algae the plant like microorganisms are prolific invaders of the open exposed parts of cooling systems such as the tower & the pond areas. They will grow rapidly if conditions are right and require light, CO_2 and water to synthesize their growth. Algal growth is extremely unsightly and will reduce the efficiency of the cooling tower as a heat exchanger. Loosened deposits will block and foul pipe work and other heat exchange surfaces. The dead cells contribute to the formation of the complex organic material "Humus" which supports the growth of other microorganisms particularly the anaerobic types.

BS 125 - Algae Media

The Algae media has been specially formulated for the growth of a wide variety of Algal species viz. green, bluegreen, brown, red etc. It contains neutralizing compounds, which would nullify the effect of any inhibitor in the test sample. Hence instances of false positive (or false negative) results are greatly reduced.



Storage

The media pouch is best preserved in a refrigerator (15^{0}C – 20^{0}C). If a refrigerator is not available, store at room temperature in a cool place protected from heat, light and draught. If stored this way the Product will keep for 12 months from the date of manufacture.

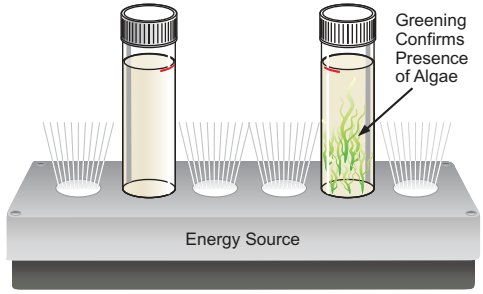
BACTASLYDE should not be frozen (below 5^0 C)..

Disposal

After use pour the contents of the tube into the toilet and flush immediately. Add any disinfecting solution, eg. Dettol, Savlon, Phenol etc. in the empty tube and discard the content in the same manner as above, after a couple of hours.

How to use

1. Cut open Media pouch and empty contents into the tube provided
2. Fill up the tube containing Media, with the water sample to be tested upto red mark.
3. Place the tube in the slots on the Energy Source.
4. Switch on Energy Source and **Do Not** switch it off (for 4 Days) until the test is concluded.
5. Observe the colour of the tube every Day.
5. Note the number of days taken to develop a green colour in the tube.



Interpretation

Algae Growth		
Day 1	—	Heavy
Day 2	—	Moderate
Day 3	—	Low
Day 4	—	Negligible

Note : If even after 4 days, there is no greening in the tube, then there is a possibility that Algae may absent in the sample.

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

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Analyzing Waters
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Calcium Hardness Carbon Dioxide Chloride Chlorine Chlorine Dioxide
Choloroscope 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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Power to see the Invisible Danger

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AQUASOL DIGITAL

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