





Pouch Products

Dip Slides

RAKIRO BIOTECH SYSTEMS PVT LTD WWW.BACTASLYDE.COM



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 |

Easy-to-use BACTASLYDE Microbe Detection Device

Staphylococcus species are found on the skin and hair of a large proportion of the population and are the common cause of pyogenic infections and food poisoning. They spread through various housekeeping activities, generally in domestic environment and in hospitals. Infection in food can occur through workers from infected cuts, abrasions, boil or from nasal carriers. Foods with high salt content are generally contaminated with staphylococcus species like meat, ham, synthetic cream, sauces, fresh fish, canned food and cheeses especially cheddar. Staphylococci produce several enterotoxins, which can withstand high temperature. Many species of staphylococcus are pathogenic & cause food poisoning, diarrhea and prostration, while the others make useful indicators of sewage pollution. Foods especially the high salt content ones are contaminated with staphylococcus species viz. meats, synthetic cream and sauces, fresh fish and canned vegetables and cheeses. Staphylococci produce several enterotoxins, which withstand heating at 100°C for 30 min. BS PP3 is supplied in packs of 5 along with complete instructions for a qualitative analysis of the contamination.



BS PP3

How to use

Wash hands thoroughly with soap & water before handling BACTASLYDE BS-PP3.



1. Media pouches & sterile bottle



2. Cut open both the pouches carefully



 Pour the contents of both pouches into the bottle



4. Pour water upto the red arrow mark.

5. Keep in a warm place for 18 to 24 hours. (If incubator is available then incubate at 37°C.)



Observations

- Initially the sample alongwith the media will be a reddish pink.
- If Staphylococcus species are present, the liquid will turn from red to yellow.

6. Then observe the colour of the liquid in the bottle

STAPHYLOCCUS



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

Analyzing Waters Anytime... Anywhere...



Our range encompasses all known water parameters.

Acidity Alkalinity Amine Ammonium Arsenic Bromine 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





Drinking water test kit

AQUASOL DIGITAL

Electrochemistry Solutions for all your applications with a wide range of Digital Instruments.

| Handheld Testers | et 🚰 🐤 | |
|------------------------|-----------------|--------------------------|
| 6 | Portab Meters | Calibration Solutions |
| A | | Processing and |
| | Online Meters | IL CONT. |
| Bench Top Analyzers | The second l' | |
| | Pen Type Meters | Controllers |



RAKIRO BIOTECH SYSTEMS PVT LTD Navi Mumbai - 400 701, INDIA | Website: www.rakiro.net

