

Easy-to-use

BACTASLYDE™

Microbe Detection Device



DIP ► INCUBATE ► READ



RAKIRO

How to use

Removal of slide. Cut open polybag. Unscrew the cap and remove the slide from the tube. Take care not to touch the media surfaces.



Cut open polybag



Dip for 20 seconds.
Use a clean container
to hold the test material

Sampling

a. Liquids : Plunge the slide into the test liquid ensuring the media surface are absolutely immersed in the liquid. Hold the slide vertically in the liquid for 20-25 seconds.

The slide should then be shaken 3-4 times gently to remove the excess water. Put the slide back into the tube and close it tightly.



Or if a clean container is not available the outer tube can be used to hold the test material.



b. Solid Surfaces

Hold the slide by its cap and cover both the media surfaces with the material to be tested simultaneously, i.e. hold the slide between two layers of the test material like a sandwich, for 20-25 seconds. Put the slide back in the tube and close it tightly.

Labelling

Fill in the label, entering the date, time and place of sampling. Stick the label on the tube, making sure, it is stuck right from the bottom rim of the tube, the 'arrow side' down.

Incubation

Place **BACTASLYDE** in an upright position and incubate at a suitable temperature. If an incubator (for 37°C.) is not available, keep the slide in a warm place, e.g., wrapped in a blanket or behind electrical appliances like refrigerators, ovens, etc.

Normally bacteria take around 18 to 24 hours to produce colonies which can be seen by the naked eye. With the **BACTASLYDE** this range can be reduced to 12-18 hours.



Incubate
(in a warm place)

But the manifestation of colonies also depends upon the bacterial species, their growth phase, etc. Therefore at times the growth may be slower and may require 24 hours.

As far as yeasts & fungi are concerned the manifestation of growth seen by the naked eye would take around 72 to 96 hours with a maximum of 120 hours.

Reading & Interpretation of Results

After incubation compare the density of the colonies grown on the media surface with the charts provided. There is no actual need for counting the colonies.



Match with density chart.

Storage

BACTASLYDE is best kept at room temperature, protected from heat, light and draught. If stored this way the slides will keep for six months from the date of manufacture.

BACTASLYDE SHOULD NOT BE REFRIGERATED OR FROZEN. Check the media surfaces for any kind of contamination and/or shrinkage of media due to dehydration. Such slides are to be discarded.

Disposal of Used Slides

Used **BACTASLYDE** should be handled carefully, as it contains live microorganisms. These slides can be best disposed of either by incinerating, or by immersing the whole slide, container and all, in a disinfecting solution overnight or by autoclaving them after loosening the cap. An autoclave is not essential, a pressure cooker will suffice.

Note

If the sample requires dilution, there is a provision in **BACTASLYDE** to dilute the sample 10 times. There is an arrow marked on the bottom of the label. After sticking the label, (making sure that it is stuck right from the bottom rim of the tube), fill the original sample upto the arrow marked on the bottom of the label. Add Sterile water (or water boiled for 20 minutes & subsequently cooled) to the top of the label. Insert the slide and tightly screw the cap on. Mix by inverting the tube a couple of times. Hold the slide in for 20 seconds, before discarding the fluid. Follow the earlier procedure for the rest of the operation.

Product Range

Code	Type	Industries
BS-101	YEAST & FUNGI + TBC	Food, Soft Drink & Ice-cream, Dairy, Breweries, Pharma, Hospitals, Paper & Pulp, Paint & Pigment, Metal Working Fluids.
BS-102	E.COLI + TBC	Food, Soft Drink and Ice-cream, Pharma, Dairy, Water & Waste Water Treatment
BS-103	PSEUDOMONAS + TBC	Food, Soft Drink and Ice-cream, Pharma, Dairy, Paper & Pulp, Paint & Pigment, Cooling Tower Water, Metal Working Fluids.
BS-115	SULPHATE REDUCING BACTERIA (SRB/SGB)	Paper & Pulp, Cooling Tower Water, Metal Working Fluids.
BS-PP1	IRON BACTERIA	Cooling Waters, Open Ponds, Water Outfalls from Pipelines, Metal Working Fluids.
BS-PP2	SALMONELLA	Food, Eggs, Egg Powder, Spices, Fisheries, Hospitals
BS-PP3	STAPHYLOCOCCUS AUREUS	Food, Milk Products, Fresh Fish, Meat, Sauces, Canned Foods, Hospitals.
BS-PP4	VIBRIO	Food, Fisheries, Processed Fish viz. Cooked deep frozen Prawns & Shrimps.

Company Profile

RAKIRO was conceived in the year 1993, with a group of technocrats with a collective experience of 60 years. Their vision was to create a company, which would provide solutions to make life easy & simple.

They began the journey with the state of the art product **BACTASLYDE™** a microbiological testing device which made testing extremely easy & simple, giving freedom from the confines of a laboratory, tedious time consuming techniques & trained manpower.

AQUASOL range of products was introduced in millennium 2000. These are simple & easy water testing systems for Chemical parameters, such as Hardness, Chloride, Alkalinity, etc. They are user friendly & reliable, virtual mobile analytical laboratory for water testing.

Cheknsee a water potability test is a first of sorts, easy to use and designed to suit the National & International drinking water standards.

ALgroSee is a product in the analytical genre for the process industry for testing a wide variety of Algae. It detects Algae before it manifests in Blooms.

Rakiro is also known for technical services, it affords to its large clientele.

Our Product Range

BACTASLYDE™
*Detect Bacteria Easily
Anytime... Anywhere...*

AQUASOL
Any time... Anywhere...

WATREET
Complete Water Solution

Cheknsee
Power to see the Invisible Danger

ALgroSee



RAKIRO BIOTECH SYSTEMS PVT LTD

Navi Mumbai - 400 701, INDIA | Website: www.rakiro.net