Dipslide YM-R （Yeasts & Moulds-Rose）

Product Description

Dipslide was first used to solve various physical, chemical and microbial changes in samples during the process of media transportation. Because of its portability, cost-effectiveness, and its ability to maintain various sample properties, it is widely used for detecting various fluids including industrial and cooling water systems.

Yeasts and moulds are common airbornemicroorganis ms present in indoor environments. They may breed in d amp or damaged buildings, floors, ceilings, and air cond itioning systems. Detecting yeasts and moulds can help a id the early identification of potential indoor environmen tal issues for ensuring that appropriate prevention and c ontrol measures can be taken to avoid further microbial growth and health risks.

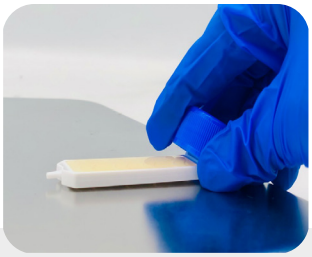
Dipslide YM-R is mainly used to quickly and efficiently test the total number of yeasts and moulds, evaluate microbial contamination on liquids and object surfaces. This is to ensure that relevant personnel can understand the current microbial situation and take necessary actions. Dipslide YM-R is widely used in industries such as cosmetics and food.

Features

- *Detection range: Yeasts 10^2-10^6 CFU/ml;* Moulds "+" -"+++";
- *Quick and easy operation, Ready to use*
- *Store in a cool and dry place away from light, No refrigeration required;*
- *Double-sided agar plates, can be used to test different types of microorganisms simultaneously; parallel experiments can also be conducted (when the double-sided culture medium is consistent)*
- *Quick results which can be obtained within 3-5 days ;*
- Rich application scenarios, can be used for detecting liquids, object surfaces (clothing, hands, countertops, etc.) ;
- *The unique elastic support rod design provides a softer grip.*

Liquid Usage Method

i. Unscrew the lid of Dipslide YM-R counterclockwise and pull out the contact plate (be careful not to touch the agar piece) ;
ii. Fully immerse both sides of the agar in the liquid for 5 seconds ;
iii. Then wait for the excess liquid to drip naturally (this process only takes a few seconds) ;
iv. Place the contact plate back into the sterile tube and tighten the cap clockwise.



Solid Surfaces Usage Method

i. Unscrew the lid of Dipslide YM-R counterclockwise and pull out the contact plate (be careful not to touch the agar piece) ;
ii. Bring both sides of the contact plate into full contact with the surface of the object (the test plate can be bent by about 180 °) ;
iii. Place the contact plate back into the sterile tube and tighten the cap clockwise.

Incubation

i. After tightening the Dipslide tube, place it vertically in an incubator at 25-30 for 3-5 days ;
ii. If incubated at room temperature, it will take 5-6 days;
iii. If the cultivation temperature is lower than room temperature, it is recommended to extend it for another 1 or 2 days before comparing the experimental results.

Comparsion of YM-R Yeasts&Moulds results

10^2	10^3	10^4	10^5	10^6	+ (A)	++ (B)	+++ (C)
A	A	B	B	C			

- *Colorless colonies should also be counted, some colonies are pink and are difficult to identify*
- *The unit of the test result is CFU/ml - total number of microbial communities per milliliter*

A: Mild pollution, the water quality begins to be contaminated to a certain extent by microorganisms, it may contain some slightly harmful substances, but it can still adapt to most of the industrial water treatment processes.
B: Moderate pollution, water quality is significantly contaminated by microorganisms, with the concentration of harmful substances being high. This poses a potential risk to industrial water use. Specific operations may be required such as additional treatment measures or reduced water usage
C: Severe pollution, water quality is heavily contaminated by microorganisms, with the concentration of harmful substances being very high. This poses a critical threat to industrial water use. Urgent measures may need to be taken to ensure water quality safety and a smooth production process.

Note: The descriptions in A, B, and C above are for reference only. In actual use, results should be based on various industry standards.

Precautions for Storage & Use

- *Dipslide YM-R has a shelf-life of 6 months. If colonies have grown on the slide prior to testing, please discard immediately.*
- *Direct sunlight and high temperatures can cause the loss of moisture in agar and indicator failure.*
- *Please store this product in a cool and dry place, with an optimal storage temperature of 12-25 .Dipslide YM-R must be kept sealed before use, it must be used immediately after unscrewing and cannot be reused.*
- *The changes in temperature and humidity during storage can cause sterile condensed water to be generated in test tube, however this has no impact on the result itself.*
- *During the process of microbial reproduction, adverse odors may appear. It is recommended to wear relevant protective equipment before opening the cover for observation.*
- *After use, Dipslide should be disposed in accordance with local regulations. They can be sterilized by high temperature, high pressure, damp heat and soaked in disinfectant overnight before disposing it into the waste bin.*

FAQ for Dipslide *YM-R*

1.Why do we need to detect yeasts and moulds?

①For the cosmetics industry, yeasts and moulds can enter cosmetics and cause product deteriorationthrough metabolic activities. They can decompose the ingredients in cosmetics, causing changes in taste, color, and texture. This may reduce the propriety and effectiveness of the product, affecting user experience.
②For the food industry, yeasts and moulds can grow on the surface or inside of food and cause spoilage by decomposing its components. Some yeasts and moulds can reduce the nutritional value of food by decomposing its components, such as protein, carbohydrates, and fats. It will also bring along an adverse taste.
③Yeasts and moulds can release spores and metabolites, this can lead to allergic reactions or respiratory diseases for some. Long term exposure to yeasts and moulds may lead to health issues such as asthma, allergic rhinitis, and respiratory infections. Therefore, we should use bacterial test tablets to regularly check for signs of yeasts and moulds in our own homes. If detected, we can conduct cleaning and disinfection measures in time. Of course, after disinfection and cleaning, the bacterial test sheets can be used once again for reassessing hygiene.

2. Will there be a lot of bacteria growing on the surface of this bacterial test piece?

No, because the YM-R bacterial test tablet formula contains an antibiotic that can inhibit bacterial growth and ensure better growth of yeast and mold.

3. Most of the bacteria grown in my place are light pink, which is similar to the color of the test piece itself and is difficult to recognize. What should I do to obtain accurate results ?

It is recommended to use our YM-M bacterial test tablet (PN：39199), which can also be used to detect yeast and mold. It is brown in color and thus the colonies on it are easier to identify.

4. Is there any difference between YM-M and YM-R?

The pH value of YM-R is lower than that of YM-M.
*The colors of yeast and mold growing on them are different: most of the yeast growing on YM-R are red or pink, while most of the mold appears white or pink; On the other hand, most of the yeast growing on YM-M are white, while most of the molds are black or white.YM-R has stronger selectivity to yeast, while YM-M is relatively more versatile and has lower selectivity for some microorganisms.**The colors of yeast and mold growing on them are different: most of the yeast growing on YM-R are red or pink, while most of the mold appears white or pink; On the other hand, most of the yeast growing on YM-M are white, while most of the molds are black or white.YM-R has stronger selectivity to yeast, while YM-M is relatively more versatile and has lower selectivity for some microorganisms.*

Product	P/N
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