HP003 Handy Plate® Mould & Yeast Count Plate

【Product Name】Handy Plate® Mold&Yeast Count Plate

【Product Code】HP003

【Packaging Specifications】20 pieces/pack

【Product Introduction】

Handy plate® Mould & Yeast Count Plates are ready-to-use media products that contain standard media, cold water gel and chromogenic indicators. This product can be used for the determination of mold and yeast in food and beverages.

【Instructions for Use】

1. Sample Preparation

Take 25 g (mL) of the sample and put it into a sterile homogenizing cup or homogenizing bag containing 225 mL of phosphate buffer (or physiological saline), and mix with a homogenizer for 1 min to 2 min to make a 1:10 sample. If necessary, adjust the pH of the sample solution to 6.6-7.2 with 1 mol/L NaOH or 1 mol/L HCl solution. Use 1 mL sterile pipette to draw 1 mL of the 1:10 homogenate solution, inject it into a test tube containing 9 mL of diluent, shake it to become a 1:100 sample homogenate solution, and so on to prepare a 10-fold serial dilution. Homogenize the sample, change a pipette each time.

2. Inoculation

According to the estimation of the contamination status of the sample, 2 to 3 dilutions were selected for detection. Place the mold and yeast test piece on a flat laboratory surface, remove the upper film, use a sterile pipette to draw 1 mL of the sample and add it to the center of the test piece, and slowly cover the upper film to avoid air bubbles. Allow to stand to diffuse and reform the gel.

3. Cultivate

Place the test piece face-up horizontally at 28°C ± 1°C and incubate for 48h~72h.

4. Interpretation

Count all blue-green colonies regardless of size and clarity. A suitable count range is 15 CFU to 150 CFU. Small bluish-green raised colonies are yeasts, while larger, bluish-green flat colonies are molds. If the entire culture area is pale blue-green, the colony concentration may be high and the sample needs to be further diluted to obtain an accurate count. To isolate colonies for further identification, remove the upper membrane and pick out the colonies with an inoculating needle.

【Storage conditions and shelf life】

Store at 2~8°C, validity period is 18 months.

Unpacked test plate should be put back into the packaging bag, folded and sealed, and the storage time should not exceed four weeks.

【Waste Disposal】

The test plate may contain microorganisms after use, so it should be discarded according to regulations after sterilizing by high pressure at 121℃ for 30min.

【Safety】

Users should read, understand and follow all safety information in this instruction.

To reduce risks associated with biohazards and environmental pollution, please strictly follow the disposal regulations for biohazardous waste.

To reduce the risks associated with microbial contamination and the work environment, use this product in professional microbiological testing personnel and in a well-equipped laboratory.

To reduce the risk associated with error in results, please verify the use of this product in other industries. For in vitro laboratory use only, do not use in the diagnosis of humans or animals.

【Disclaimer】

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