

HP002 Handy Plate® Coliform Count Plate

【Product Name】 Handy Plate® Coliform Count Plate

【Product Code】 HP002

【Packaging Specifications】 20 pieces/pack

【Product Introduction】

Handy Plate® Coliform Count Plate 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 plate on a flat laboratory surface, peel off the upper film, draw 1 mL of the sample with a sterile pipette and drop it into 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 plate face-up horizontally at $36^{\circ}\text{C} \pm 1^{\circ}\text{C}$ and incubate for 18h~24h.

4. Interpretation

Count all colonies with red, yellow acid rings with bubbles around them. A suitable count range is 15 CFU to 150 CFU. If the entire culture area is yellow, the colony concentration may be high and the sample needs to be further diluted to obtain an accurate count. To isolate colonies for further analysis, 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°C 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】

Unless there is an express limited warranty, the company makes a disclaimer of all express or implied warranties, including but not limited to the warranties of merchantability and fitness for a particular purpose. The Company shall not be liable for any loss or damage, whether direct, indirect, special, incidental or consequential, including but not limited to lost profits. Under the law, the Company cannot pay more than the purchase price of the product for an alleged defective product.