

Aerobic Count Plate instruction manual

Name Aerobic Count Plate

Product No. NBP001

Specification 25plates/bag

Intended Use

Used for the enumeration of aerobic bacteria in food and raw food materials.(GB、ISO、FDA、AOAC)

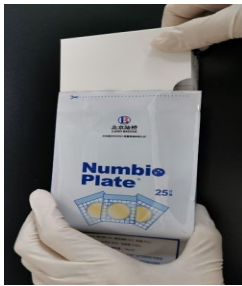
Product Introduction

The test plate comprises a baseplate, a limit ring, culture medium powder and a top film. The main nutrients of culture medium powder are consistent with the Plate Count Agar medium in 《GB4789.2-2022 Microbiological examination of food hygiene—Aerobic plate count》.

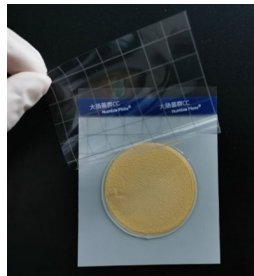
Sample Preparation

The sample was diluted according to the sample dilution method in 《GB4789.2-2022 Microbiological examination of food hygiene—Aerobic plate count》; Based on the sample type, 2 or 3 suitable diluted sample solutions (Liquid samples can be inoculated directly) were selected for inoculation detection.

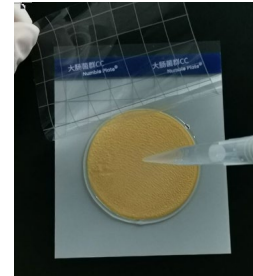
Test Procedure



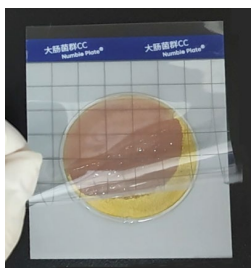
1. Open the aluminum foil bag, and remove the Aerobic Count Plate .



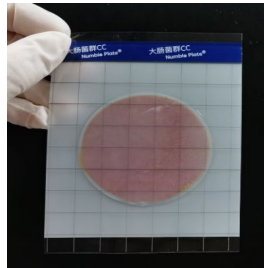
2. Place the test plate on a flat, level surface and Lift the top film.



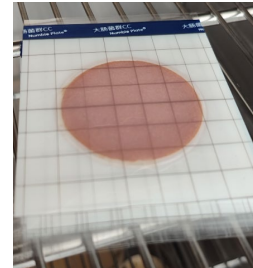
3. Dispense 1.0 mL of sample solution onto test plate center.



4. Slowly cover the film and the sample solution will diffuse throughout the culture area.



5. After the solution completely absorbed, move it out of the test bench.



6. Incubate the test plates at $36 \pm 1 \text{ }^\circ\text{C}$ for 48 ± 2 hours (aquatic products $30 \pm 1 \text{ }^\circ\text{C}$ for 72 ± 3 hours).

Result Count

1. Select the test plates containing between 30-300 CFU and count all the red colonies;
2. For plates with more than 250 colonies, colony number can be estimated by counting colonies in one representative square and multiplying by 20.
3. If there is no bacterial growth or fewer colonies at a certain dilution, and there are colonies at the next dilution and within the ideal counting range, the sample may contain antibacterial ingredients. At this time, count the number of colonies at the next dilution.

Storage

(Unopened) Store in dark place 2-8°C; (Opened) Seal and store in dark place at 2-8°C, and use up in 1 month.

Precautions

1. After adding the sample solution, cover the film as soon as possible (within 5s);
2. If the sample is viscous, solution diffusion can be assisted manually;
3. If the plate have bubbles near the limit ring under the top film, which will not affect the test result;
4. Test plate should not be stacked more than 20 pieces during incubation period;
5. Keep the count plate away from ultraviolet, direct sunlight and fluorescent lamp;
6. Used plates should be autoclaved before being discarded.

Product data download

MSDS, <https://www.beijinglandbridge.com/>, in the "quality inspection report" and "MSDS" page, enter the product NO. and lot NO. to download.

For laboratory use in industry or R&D purpose. Not for drug, household or other uses.