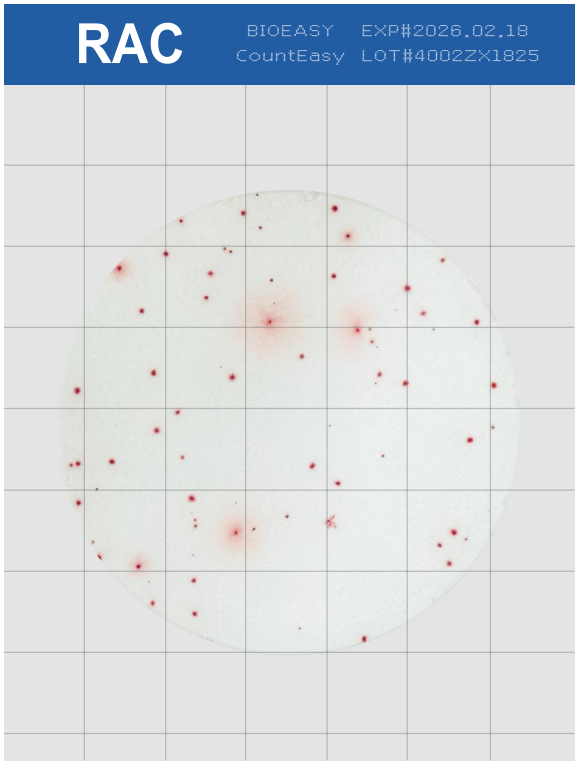
BIOEASY

Interpretation Guide

The Bioeasy CountEasy Rapid Aerobic (RAC) Count Plate is a ready-to-use cold gel culture medium for microbial testing. It is composed of trypsin, yeast extract, glucose, and cold gel. Its main nutrients are consistent with those of traditional plate-based culture media. It can perform colony count determination on most food substrates within 24 hours.



RAC

CountEasy Rapid Aerobic (RAC) Count Plate

This manual can guide you to master the use of the CountEasy Rapid Aerobic (RAC) Count Plate. You can contact Bioeasy technical support for more information.

Chart 1

Total colony count = 0
No colonies grew on the CountEasy Rapid Aerobic (RAC) Count Plate.

Chart 2

Total colony count = 9
The chromogen in the test plate stains the colonies. Count all red colonies, regardless of size or color intensity.

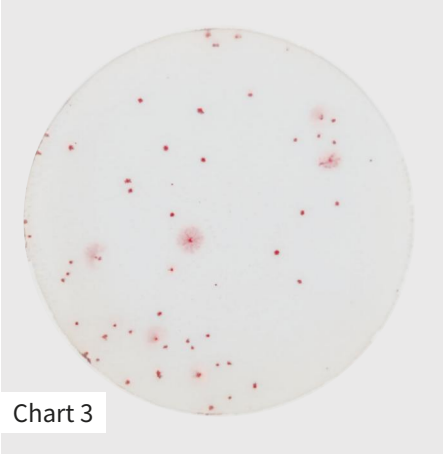


Chart 3

Total colony count = 61
If the colony is covered by other large-scale colonies, it should also be counted.

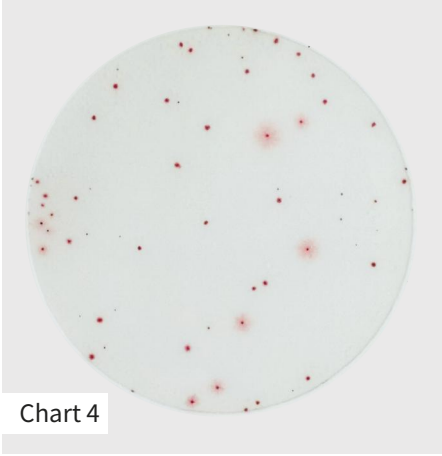


Chart 4

Total colony count = 66

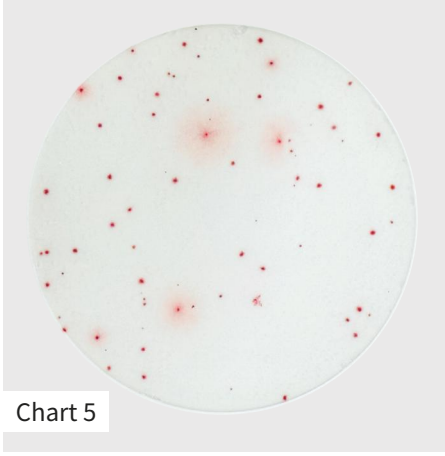


Chart 5

Total colony count = 74

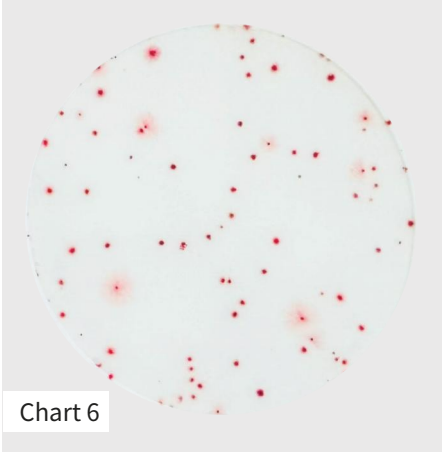


Chart 6

Total colony count = 79

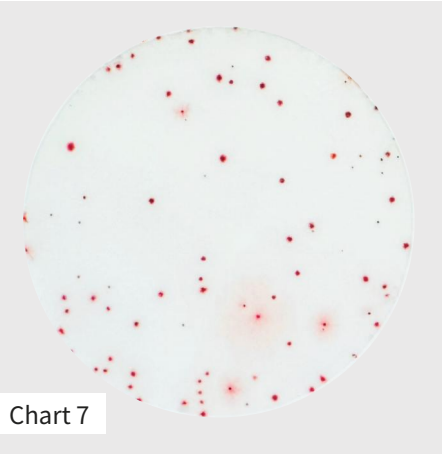


Chart 7

Total colony count = 88

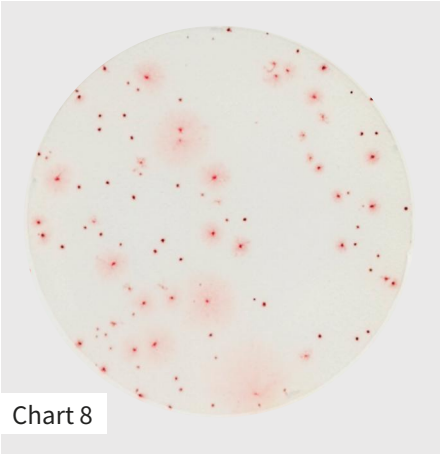


Chart 8

Total colony count = 107

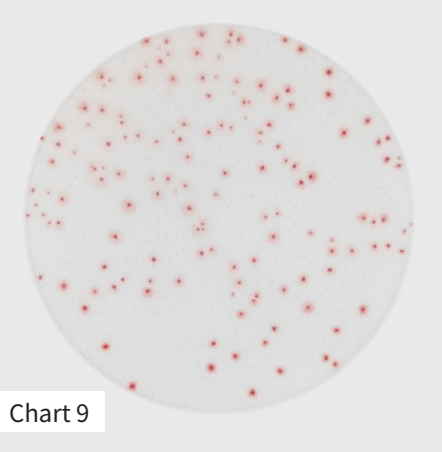


Chart 9

Total colony count = 149

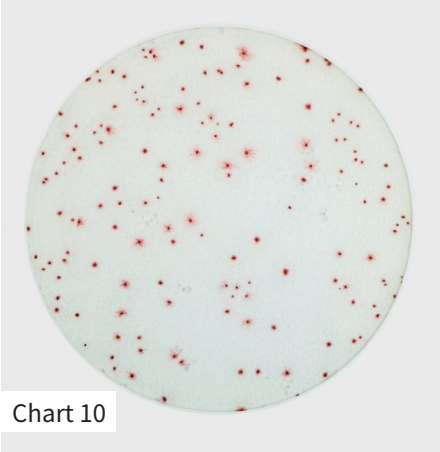


Chart 10

Total colony count = 154

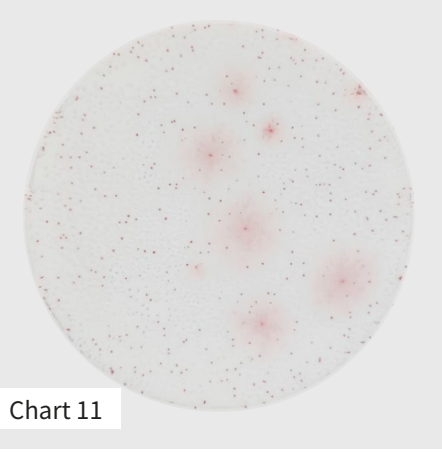


Chart 11

Total colony count = TNTC (Too Numerous To Count)
When the colony count is high, it is recommended to dilute the sample to 30-300 CFU for a more accurate count.

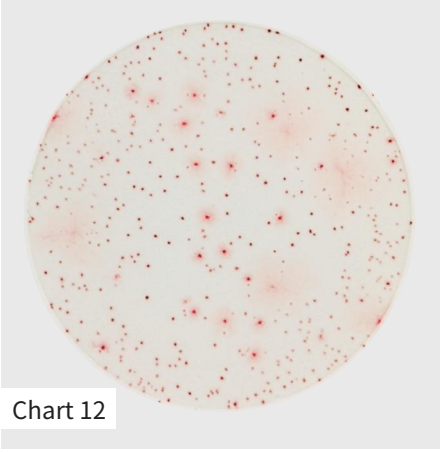
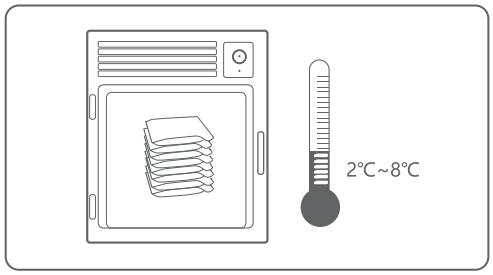


Chart 12

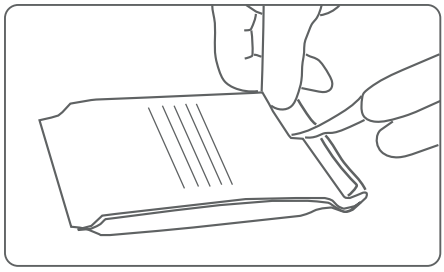
Total colony count = TNTC (Too Numerous To Count)

Instructions

Storage

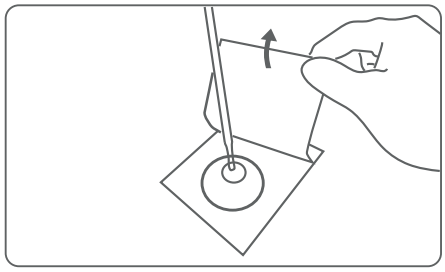


1. Store unopened CountEasy plate at 2℃~8℃ and use before the expiration date indicated on the package.

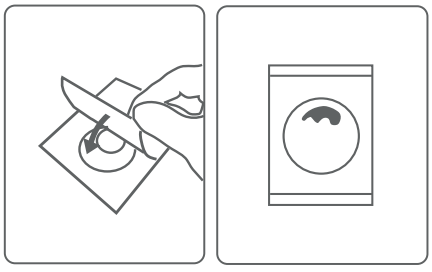


2. Unused CountEasy plate should be sealed after opening the bag. Roll up the opening of the packaging and seal it with tape or use a sealing clip, put them into a sterile bag. Store them on a sterile workbench or in refrigerator and finish them within one month.

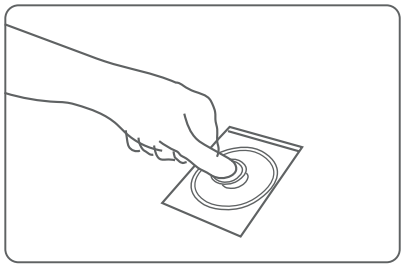
Inoculation



3. Place the CountEasy plate on a flat table, open the cover film of the CountEasy plate. Use a sterile pipette to absorb 1 mL of the sample, and evenly drop it vertically onto the center of the bottom film of the circular culture medium.

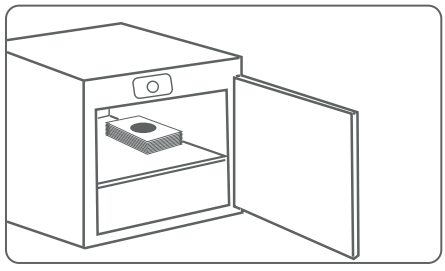


4. Slowly lower the upper membrane.



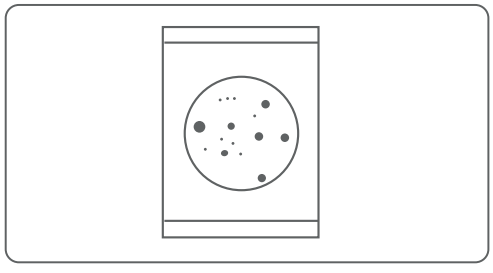
5. place the sample spreader in the center of the upper membrane, and apply gentle pressure after 1-2 seconds, ensure the sample solution evenly covers the circular culture medium.

Cultivate



6. Stack the CountEasy plate horizontally in a constant temperature incubator, with no more than 20 CountEasy plates stacked. Incubate for 24~48 hours, the incubation temperature follows local standards.

Interpretation



7. Once the colonies have grown on the CountEasy plate, they will appear as red colonies, which can be observed with the naked eye. If necessary, a magnifying glass or colony counter can be used to assist in the counting. If colonies grow outside the designated culture area, they shall still be included in the count in accordance with the counting rules.

BIOEASY

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