BIOEASY

Interpretation Guide

The CountEasy Rapid Yeast and Mold(RYM) Count plate is a ready-to-use cold gel culture medium for microbial testing. It is composed of peptone, glucose, magnesium sulfate (anhydrous), chloramphenicol, and cold gel. Its main nutrients are consistent with those in traditional plate-based culture media. This product can be used for the rapid detection of mold and yeast in food.

RYM

CountEasy Rapid Yeast and Mold(RYM) Count plate

Mold and Yeast

To distinguish between mold and yeast on the CountEasy Rapid Yeast and Mold(RYM) Count plate, please refer to the following colony characteristics:

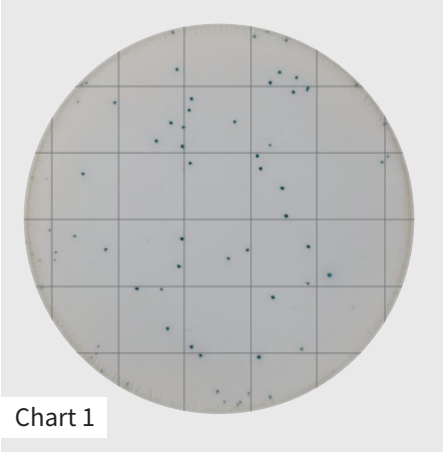


Chart 1

Yeast Count = 68
Yeast: Small colonies with defined edges, light tan to blue/green/black in color.

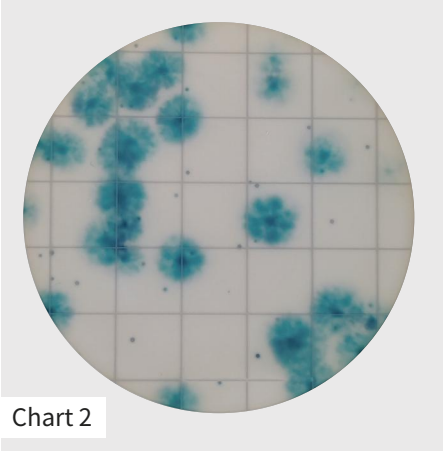


Chart 2

Mold Count = 26
Mold: Big colonies with diffuse edges, Blue/green/black/yellow to variable upon prolonged incubation, colonies appear flat, have a dark center with diffused edge

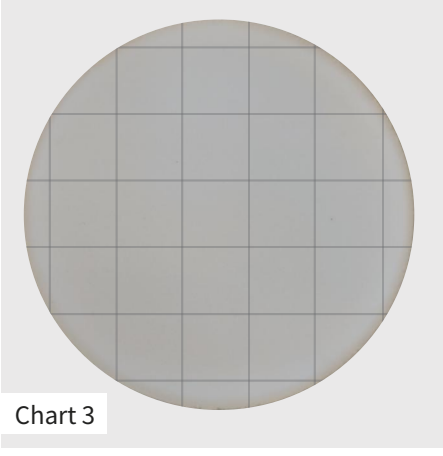


Chart 3

Count = 0
No colonies grew on the CountEasy Rapid Yeast and Mold(RYM) Count plate.

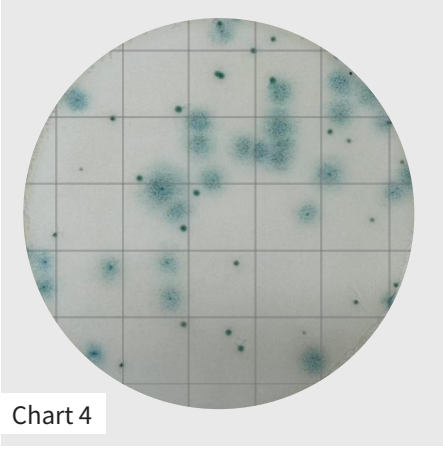


Chart 4

Yeast Count = 26
Mold Count = 29

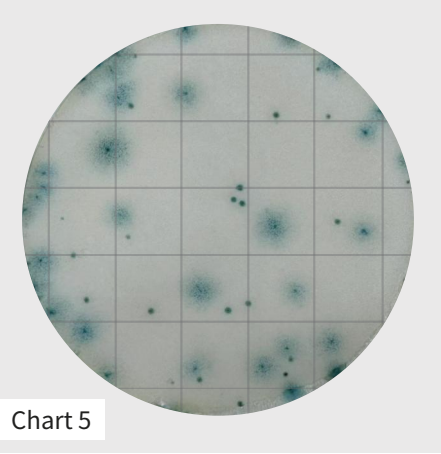


Chart 5

Yeast Count = 26
Mold Count = 32

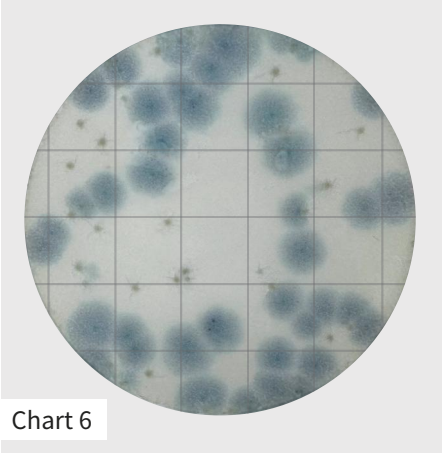


Chart 6

Yeast Count = 34
Mold Count = 38

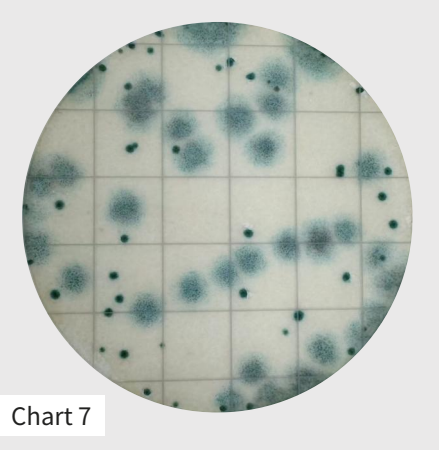


Chart 7

Yeast Count = 39
Mold Count = 35

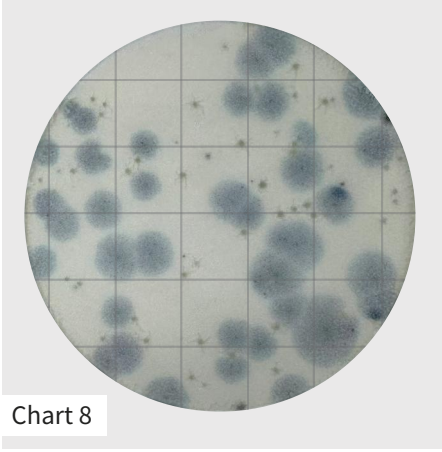


Chart 8

Yeast Count = 43
Mold Count = 39

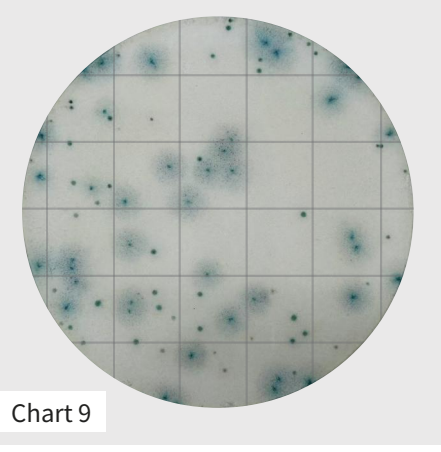


Chart 9

Yeast Count = 42
Mold Count = 40

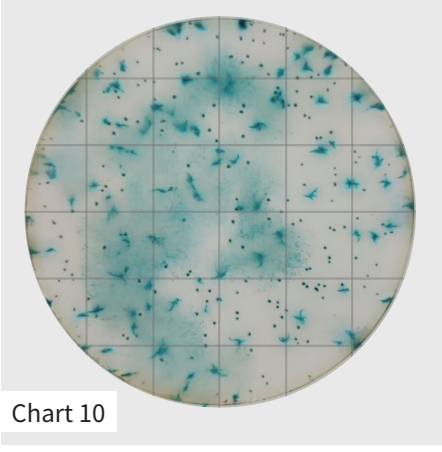
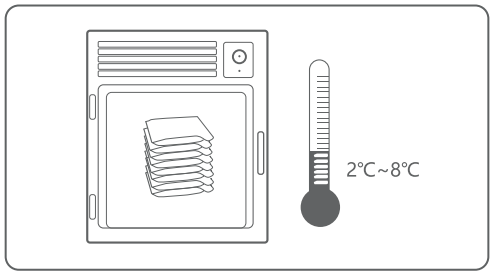


Chart 10

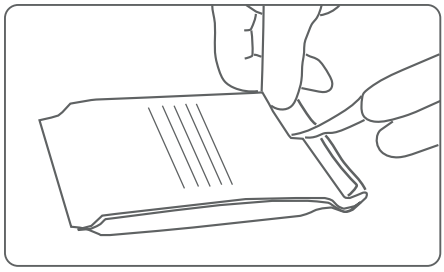
Count = (TNTC) (Too Numerous To Count)
When the colony count is high, it is recommended to dilute the sample to 10-150 CFU for a more accurate count.

Instructions

Storage

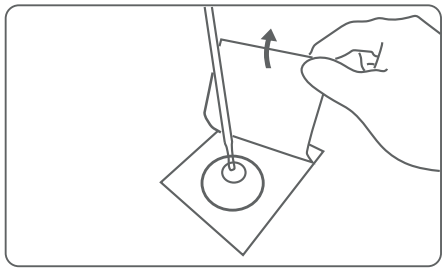


1. Store unopened CountEasy plate at 2℃~8℃ and use before the expiration date indicated on the package.

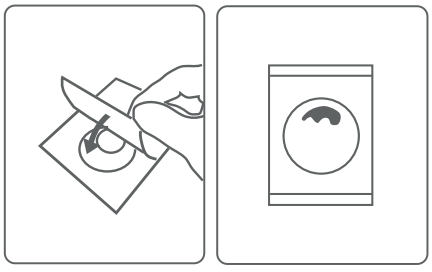


2. Unused CountEasy plate should be sealed after opening the bag. Roll up the opening of the packaging and seal it with tape or use a sealing clip, put them into a sterile bag. Store them on a sterile workbench or in refrigerator and finish them within one month.

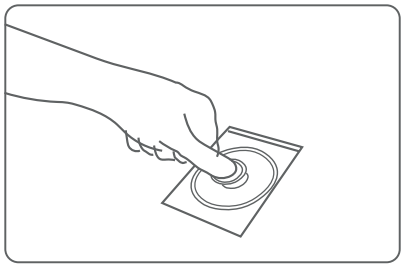
Inoculation



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.

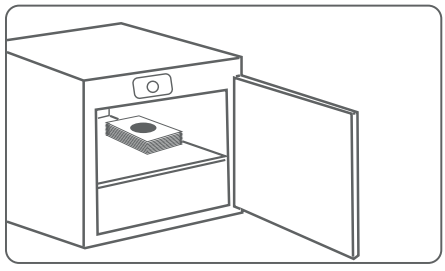


4. Slowly lower the upper membrane.



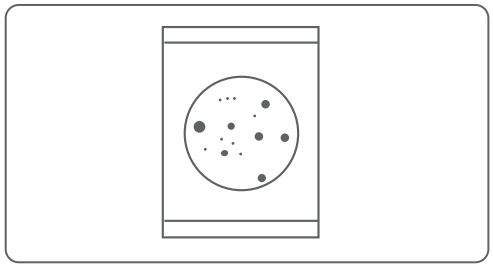
5. place the sample spreader in the center of the upper membrane, and apply gentle pressure after 1-2 seconds, ensure the sample solution evenly covers the circular culture medium.

Cultivate



6. Stack the CountEasy plate horizontally in a constant temperature incubator, with no more than 20 CountEasy plates stacked. Incubate for 48~72 hours, the incubation temperature follows local standards.

Interpretation



7. Once the colonies have grown on the test plate, they will appear as blue colonies, Molds form large colonies with diffuse edges and a distinct central point, while yeasts form smaller colonies with well-defined edges. 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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