

Interpretation Guide

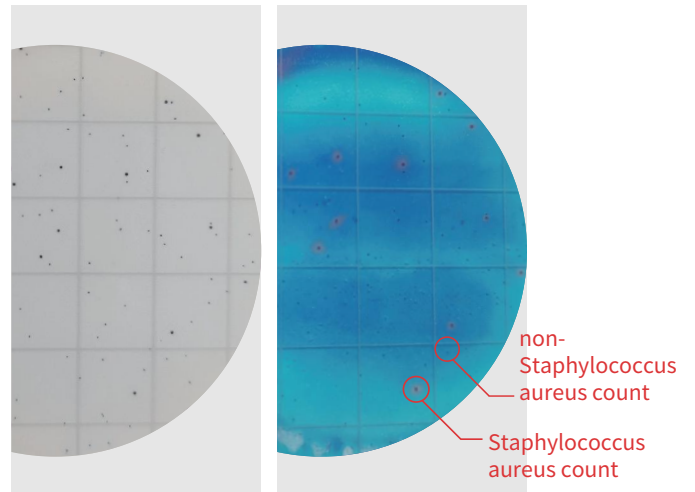
The CountEasy Rapid Staphylococcus Aureus (RSA) Count plate is a ready-to-use cold gel culture medium for microbial testing. It is composed of tryptone, beef extract, yeast extract, sodium pyruvate, glycine, lithium chloride, and cold gel. Its primary nutrients are consistent with those of traditional plate-based culture media. This product is suitable for the detection of Staphylococcus aureus in various foods, food ingredients, and production environments.



RSA

CountEasy Rapid Staphylococcus Aureus(RSA) Count plate

If the colonies are purple-black after incubation, add an appropriate amount of confirmation solution to the incubation area. After 15-20 minutes, a clear, complete pink ring will appear around the *Staphylococcus aureus* colonies on the test piece. Count all colonies with pink rings. On-site observation is clearer than photographic presentation.



Staphylococcus aureus count = 11

The pink ring represents *Staphylococcus aureus*, regardless of its size.

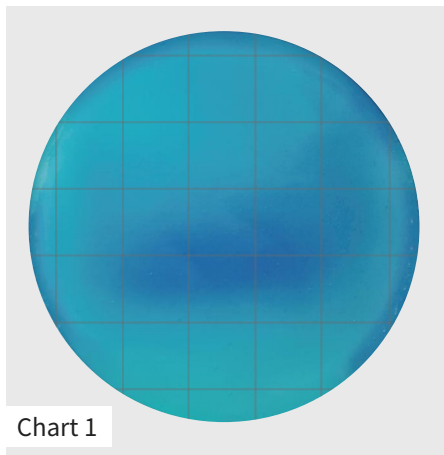


Chart 1

Staphylococcus aureus count = 0

No colonies grew on the CountEasy Rapid Staphylococcus Aureus Count plate(RSA).

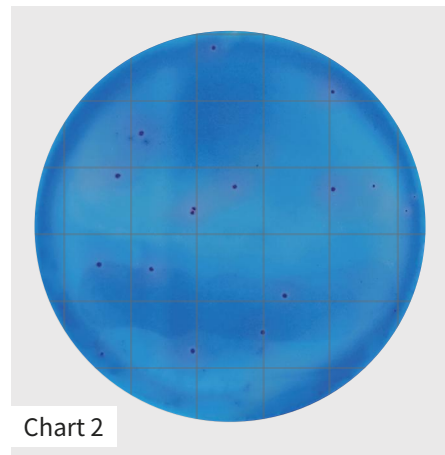


Chart 2

Staphylococcus aureus count = 17

Staphylococcus aureus can vary in size. Count all purple-black colonies, regardless of size. Using a colony counter with an attached light makes colonies easier to identify.

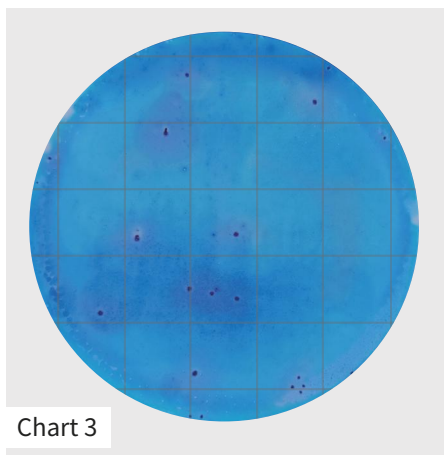


Chart 3

Staphylococcus aureus count = 18

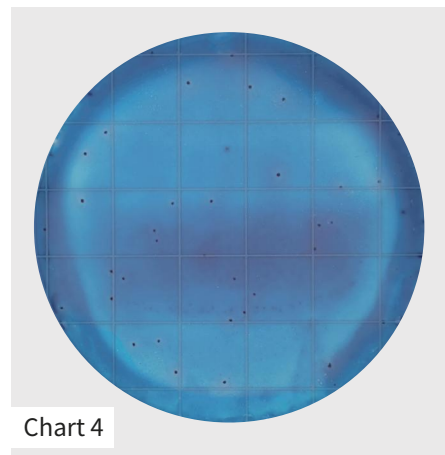
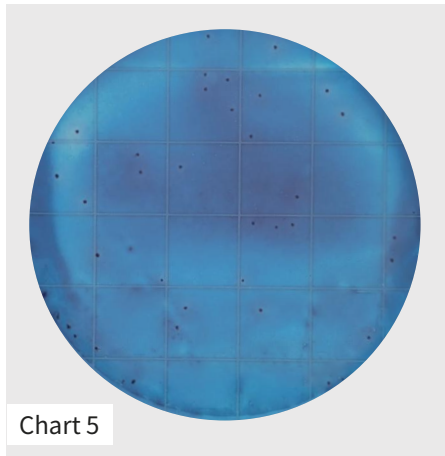
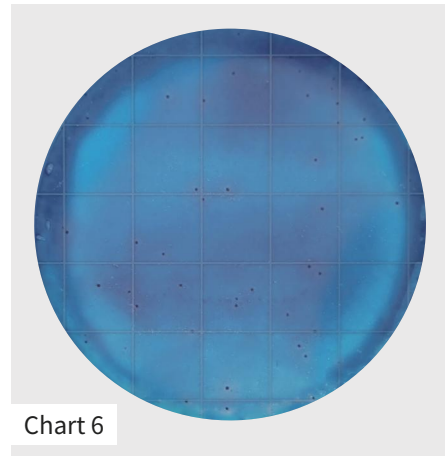


Chart 4

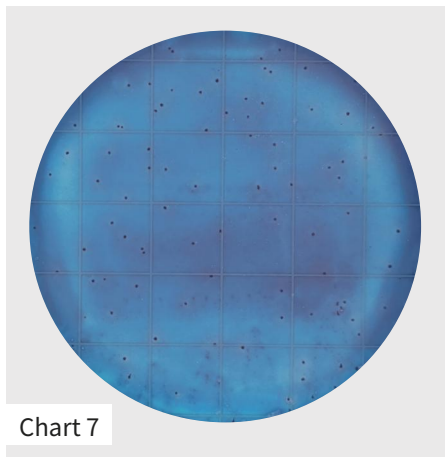
Staphylococcus aureus count = 40



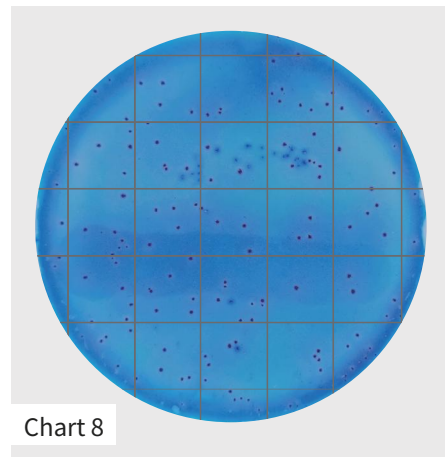
Staphylococcus aureus count = 50



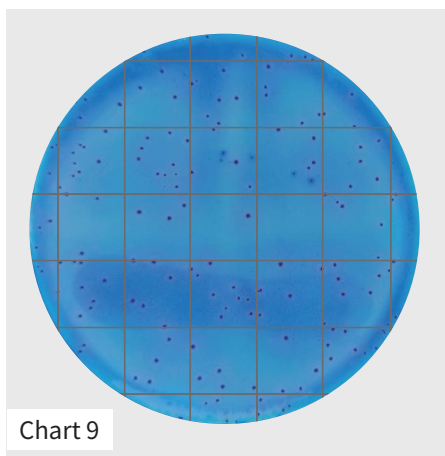
Staphylococcus aureus count = 58



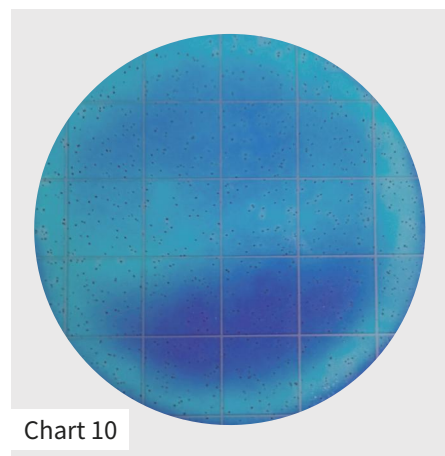
Staphylococcus aureus count = 110



Staphylococcus aureus count = 138



Staphylococcus aureus count = 148

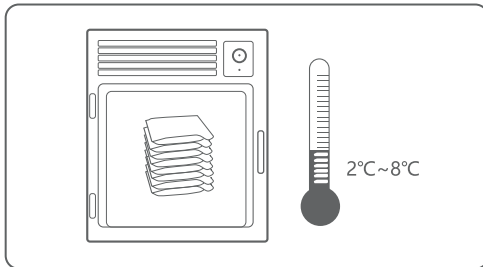


**Staphylococcus aureus count = TNTC
(Too Numerous To Count)**

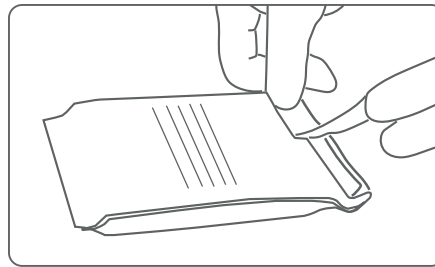
When the number of colonies is large, it is recommended to dilute to 20 - 200 CFU to obtain a more accurate counting result.

Instructions

Storage

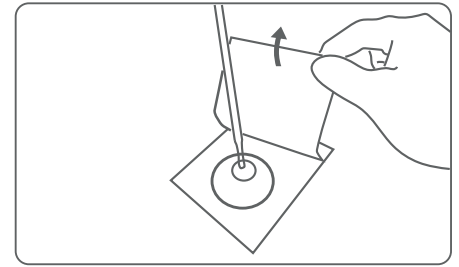


1. Store unopened CountEasy plate at 2°C~8°C and use before the expiration date indicated on the package.

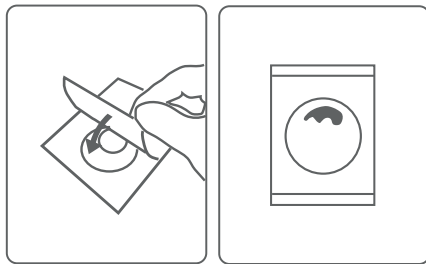


2. Unused CountEasy plate should be sealed after opening the bag. Roll up the opening of the packaging and seal it with tape or use a sealing clip, put them into a sterile bag. Store them on a sterile workbench or in refrigerator and finish them within one month.

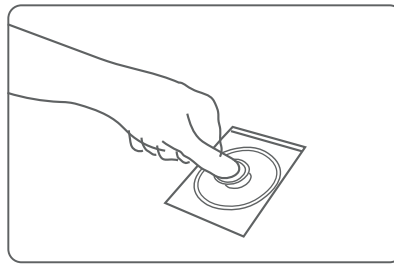
Inoculation



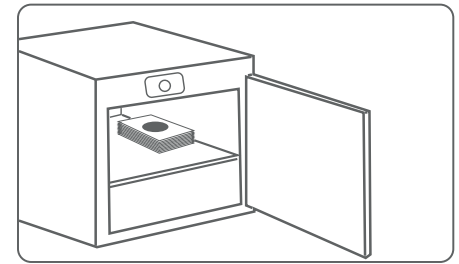
3. Place the CountEasy plate on a flat table, open the cover film of the CountEasy plate. Use a sterile pipette to absorb 1 mL of the sample, and evenly drop it vertically onto the center of the bottom film of the circular culture medium.



4. Slowly lower the upper membrane.

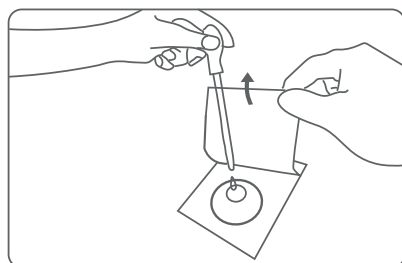


5. place the sample spreader in the center of the upper membrane, and apply gentle pressure after 1-2 seconds, ensure the sample solution evenly covers the circular culture medium.

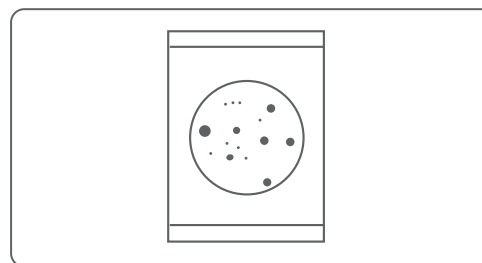


6. Stack the CountEasy plate horizontally in a constant temperature incubator, with no more than 20 CountEasy plates stacked. Incubate for 24 ± 2 hours, the incubation temperature follows local standards.

Interpretation



7. Open the film on the test plate, add an appropriate amount of Rapid Staphylococcus Aureus (RSA) Express Reagent to the culture area, close the film and wait for 10 to 15 minutes, and count the colonies in the pink ring.



8. Follow to the product manual to count. 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.

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