## Sample application

1. A sample is mixed with a sterilized physiological saline or an equivalent and suspended with a stomacher or an equivalent. In the case of environmental test, gauze or a swab wiped on sample site also suspended in a sterilized physiological saline. The suspension is diluted to an appropriate concentration to make a sample solution.  

2. Open the transparent cover film. Apply 1 mL of sample solution to the non-woven fabric with a pipette.  

3. Cover it with the film again.  

## Direct stamping

1. Open the cover film. Then, apply 1 mL of sterilized saline on the non-woven fabric and cover the film again. Stay still for more than 15 min.  

2. Open the cover film again. It will be convenient for the later operation if you completely remove the film.  

3. Stamp on sample surface with the non-fabric portion of the Sanita-kun sheet. After that, we recommend you to wipe the sample surface with a clean cloth soaked with a sterilizer.  

4. Cover the sheet.  

## Swab test cotton swab

1. Open the cover film. Then, apply 1 mL of sterilized saline on the non-woven fabric and cover the film again. Stay still for more than 15 min.  


3. Cover the sheet again.  

## Filter test

1. Open the cover film. Then, apply 1 mL of sterilized saline on the non-woven fabric.  

2. Put a membrane filter, which was utilized in a sample filtration, on the non-woven fabric.  

3. Cover the sheet again.  

## Fall-out test

1. Open the cover film completely. And fasten the cover with a clip to keep opening cover.  

2. Stand still for a certain time keeping the non-woven fabric up.  

3. Apply 1 mL of sterilized saline on the non-woven fabric.  

4. Cover the sheet again.  

User friendly and accurately detection microorganisms!
Incubation

Write a sample name and others on the cover film. Then, incubate them in a following condition.

- Aerobic count: 35°C 48 hr
- Yeast & Mold: 25°C 48 hr
- E.coli/Coliform: 35°C 48 hr
- Salmonella: 35°C 24 hr
- Staph. aureus: 35°C 24 hr

Aerobic Count Rapid type: 35°C 24 hr

Evaluation

Count the characteristic colonies grown on the surface with a marking pen or a colony counter. When you feel difficulty in counting many colonies, you can count them in some grid areas of the cover film. Then you can multiply the numbers with factors. For example, multiply 20, when you count only 1 grid area.

- Aerobic Count / Aerobic Count Rapid type
- Coliforms
- Yeast & Mold
- Staphylococcus aureus
- E.coli/Coliform
- Salmonella

Disposal

Discard the used sheets after sterilization with an autoclave.

Picking colonies up

Open the cover film and pick up colonies grown on the non-woven fiber with a wire rod for further study.

- You can use sterilized water or sterilized physiological saline with 0.1% peptone instead of sterilized physiological saline.
- You can pile the sheet up to around 30 pieces in an incubator.
- Pat slightly on the cover film to make sure if the cover film attach to the adhesive sheet. You need not to worry about wrinkles, which you may often recognize on the sheet. The wrinkles do not disturb the detection.

Precautions

- Use the Sanita-kun after reading this instruction manual very well.
- Sanita-kun is not intended for clinical diagnostics but intended for daily microbiological control.
- In order to confirm the judgement of the Staph.aureus or Salmonella, you should carry out a biochemical test after an isolation culture.
- Do not put the sheets under the direct rays of the sun or ultraviolet rays, and do not put the sheets for long time under the fluorescent. Because the non-woven fiber change color.
- Stained or dirty sheet recognized before use cannot be utilized. Brown micro particles from medium components or short fibers from non-woven fiber on the sheet are occasionally recognized. They don’t disturb the tests.
- Used sheets have huge populations of microorganisms. Avoid the sheets to contact with foods and environments as well as possible. Sterilize them as soon as possible before discarding with soaking in autoclaving.
- Stock the aluminum Sanita-kun bag at 2-15°C. After opening the bag, use all the sheets within a month. If you stock the sheets not opened the bag at room temperature (around 25°C), you can use the sheets within 3 month.
- We cannot guarantee the quality of the sheet after the expiration date.
- We recommend validating the Sanita-kun sheet by yourself with your own samples.

Compensation

- We can only compensate a flow or a deficit of the items by a manufacturing, logistic or storage process.
- Evaluation and application of the results are responsible to the customers, not to JNC nor the distributors.