Compact Dry “Nissui” VP
For Viblio parahaemolyticus

► V.parahaemolyticus develops blue/blue-green colonies.
► V.vulnificus, V.cholerae, and V.mimicus develop pink/magenta colonies.
► Other Viblio spp. develop milk-white colonies.
► Incubate for 18-20 hours at 35 ± 2°C.

Main Component: Specific chromogenic enzyme substrate for Viblio
Storage: Keep at room temperature (1°C-30°C)
Shelf life: 18 months after manufacturing
Package: Compact Dry “Nissui” VP 40 plates (Code: 06748)
          : Compact Dry “Nissui” VP 240 plates (Code: 06749)
- Compact Dry is manufactured based on Nissui’s original patented technology.
Open an aluminum pouch.

Take out a set of 4 plates.
(Or take 1 - 3 plates you need and keep the pouch sealed to avoid a quality loss from light and moisture.)

Write appropriate information on a memorandum section.

Dilution Water Preparation (PBS)
7.650 g of NaCl, 0.724 g of Na₂HPO₄ and 0.210 g of KH₂PO₄ in 1 L of Distilled water. Adjust pH 7.4 with 1 N NaOH. Autoclave 15 min at 121°C.

1:10 Dilution Preparation
Analyze 50 g from each sub-sample. Blended at high speed for 90 sec.

Add 450 ml of PBS (Phosphate-Buffered Saline).

Homogenize in a stomacher for 1 min. → 1:10 Dilution

Further Dilutions (if necessary) (1:100 Dilution Preparation)
Take 1 ml of the 1:10 dilution.

Add it to 9 ml of PBS.

Mix well. → 1:100 Dilution
(Not more than 15 min should elapse.)
**Inoculation**

1. Pipette 1 ml of a sample.
2. Take off a lid of a plate.
3. Inoculate the 1 ml sample to the middle of a dry sheet.
4. Put the lid again.

**Incubation**

Turn over the plate lidded, put them in an incubator. Incubate 18-20 hours at 35 ± 2°C for Compact Dry VP.

**Interpretation & Colony Fishing**

From the backside of the plate, count the number of colored colonies appeared in the medium. Lighting and using a loupe are useful to count colonies easier.

**Preliminary Advice**

For user's convenience, “Sample Preparation” section on the page 2 of this user's manual is made with reference to FDA’s BAM (Bacteriological Analytical Manual). Depending on user's needs, other official methods can be also used.
Counting Examples & Precautions

- In case of more than 300 colonies, the number of colony should be estimated. The average number of colony in the grid (1 cm²) is counted, and then the total number of colony is calculated by multiplying the average number by 20.

- After opening the aluminum bag, unused plates should be kept in the folded and sealed bag to avoid light and moisture. Used plates must be sterilized by autoclaving and disposed according to a local waste management law.

- In case of foodstuffs containing their own enzymes, there are cases where a whole medium of Compact Dry is stained.

- The pictures in this manual has colonies of *V.parahaemolyticus* and *V.vulnificus*. There may be subtle differences if other strains grow.

- Because of the lighting, there may be subtle differences in vision between in the pictures and in actual tests.

Further Information: Customer Support Section
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NISSUI PHARMACEUTICAL CO., LTD.