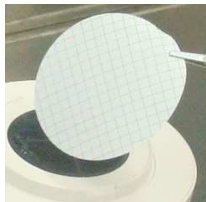


Membrane filter inspection method using "MC-Media Pad"

① Features of the membrane filter method

This is an inspection method used when inspecting liquid samples with relatively few microorganisms such as water and beverages. The bacteria are captured with a membrane filter and transferred to the MC-Media Pad to measure the number of colonies.

② Prepare the following equipment.



Membrane filter

White membrane are suitable.
Size: Fits up to 47mm



Membrane filter inspection equipment



Membrane filter

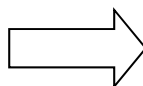
Pump for inspection equipment

③ Add 1 ml of sterilized water to the pad part of the "MC Media Pad" in advance for the required quantity. Leave it for at least 15 minutes to let it soak in sterilized water.

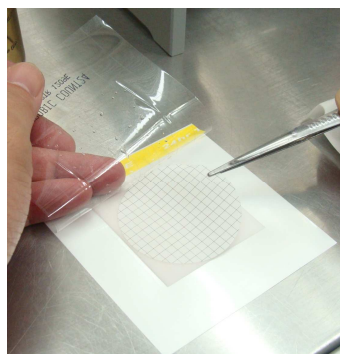
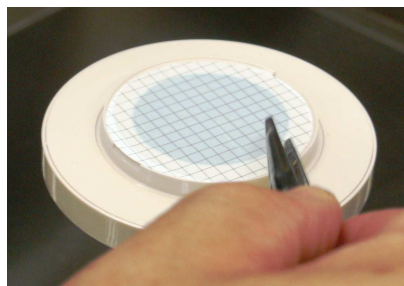
※If necessary, sterilized water can be added the day before,



④ Set the sterilized membrane filter and filter the sample solution.



⑤ Place the filtered membrane filter on the "MC-Media Pad".



Place with the filtration surface facing up (front).

⑥ Place the "MC-Media Pad" in the incubator and incubate.

Bacteria ; 35°C 24 to 48 hours
Coliforms ; 35°C 24 hours
Staphylococcus aureus ; 35°C 24 hours



⑦ Judge



The spot can be checked from the top of the membrane filter.

Required inspection equipment

- MC-Media Pad
- Sterilized diluent
- Incubator
- Sterilized dropper
- Membrane filter inspection equipment
- Membrane filter white, size: 47 mm
- Pump for inspection equipment

Manufacturer / Distributor

JNC Corporation
Chemicals Division Life Chemicals Department
2-2-1 Otemachi, Chiyoda-ku, Tokyo 100-8105

MC-Media Pad web site

<https://www.jnc-corp.co.jp/MC-MP/>

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