Membranes for microbial Rapid Identification

Membrane Specification: sterile, diameter 70 mm

Storage Temperature: 2-8 °C (in the dark)

Description:
These membranes are for economical and rapid identification and confirmation of microorganisms in water, food, environmental and clinical samples. They find their application in various sectors in food and dairy industry, water industry, pharmaceutical laboratory testing, cosmetic industry, environmental and sanitary testing, clinical diagnostic etc.
After the routine inoculation and isolation technique the membranes enable the direct identification.

Directions:
1) **Inoculation and Isolation:** Inoculate the organisms from sample on any of general purpose media, nutrient agar, tryptic soy agar, plate count agar etc.
   Adopt any of surface plating methods as; spread plate method, quadrant (four or five) streak pattern or T streak method so as to obtain isolated colonies from inoculums.

2) **Incubation:** Incubate at 35-37°C for 18-24 hours.

3) **Replication:** For replication technique place the membrane on the surface of agar plate. Perform this step for maximum of 30 seconds to 1 min.. Mark the corresponding orientation of paper.

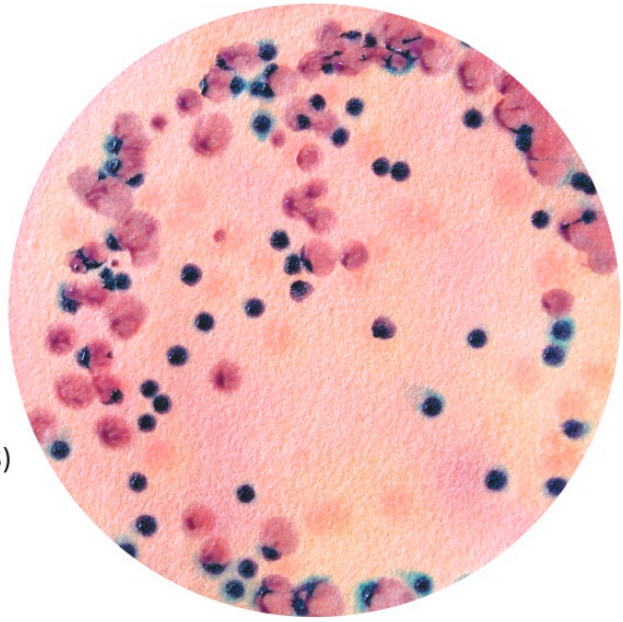
4) **Identification:** Incubate the replicated identification membrane in empty sterile Petri dish at 35-37°C for 1-4 hours or if desired membrane can be placed on dry lid of same plate & incubate in inverted position (*if lid has moisture wiped it with sterile cotton). Alternately the membrane may be kept for incubation on growth media at 35-37°C.
   Observe for development of color and interpret result

77396	**Total Coliform ID Membrane**	For qualitative detection of coliforms from water, pharmaceutical preparations, dairy and food products.
Appearance: Pink colored membrane		
Cultural Response: Identification observed within 1-4 hours after replication and incubation at 35-37°C, when membrane is placed on an 18 hour old grown culture plate of any general media.		
Organisms (ATCC)		**Fluorescence under UV light**
Escherichia coli (25922)		dark blue
Enterobacter cloacae (23355)		salmon to red
Citrobacter freundii (8090)		salmon to red
Klebsiella pneumoniae (13883)		light pink

Esherichia coli (ATCC 25922)
Dark blue coloured

Enterobacter cloacae (ATCC 23355)
Salmon to red coloured

Klebsiella pneumoniae (ATCC 13883)
Light pink mucoid coloured



Precautions and Disclaimer
This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.