Testing for Coliform Bacteria: Membrane Filtration

• Membrane filter
  – 0.45 µm pores
  – 47 mm in diameter

• Filter 100 mL of water to be tested through the membrane filter
Membrane Filtration

Petri dish with sterile absorbent nutrient pad

Add 2 mL of m-endo broth (selective media)

Place membrane filter in the petri dish on top of the nutrient pad
Membrane Filtration: Incubation and Results

- Incubate for 24 hours at 35°C
- Coliform bacteria grow into colonies with a metallic sheen
- Non-coliform bacteria may grow into red colonies