Bacteria investigation with Ecoli, Salmonella and Vibrio

1. Original water investigation

2. One time per month to examine the drinking water
Escherichia coli

1. Inoculation on EC

2. Incubation

3. Interpretation

35°C - 37°C, 20 - 24 hours

E. coli

Positive reaction
No Drinking Water

Negative reaction
Drinking Water
Vibrio (Cholera)

1. Inoculation on VP
   - 1 ml sample water

2. Incubation
   - 35-37°C, 20-24 hours

3. Interpretation
   - VP

Vibrio (Cholera) 35°-37 Celsius 24 hours incubation

Positive reaction
No Drinking Water

Negative reaction
Drinking Water
Salmonella

1. Inoculation on SL
2. Incubation (41-43°C, 20-24 hours)
3. Interpretation

- Positive reaction: SL
  - Motility
  - Yellow sheet
  - Greening colony
  - Black colonies are generated by hydrogen sulfide

- Negative reaction: SL
  - No color change
  - Red – Red purple