



Model No: - WAK-Water Anvayam Kit

This is a simple bacteriological testing kit that could be used to indicate the presence of pathogens. It will react to the presence of (H₂S - Hydrogen Sulfide Producing Bacteria) Salmonella species in drinking water, surface water, and recreational waters. The kit can be used with any water irrespective of its source, including chlorinated water. The kit comprises a simple plastic container and a powder which contains a dry powder medium.

The powder is completely soluble in water and a dark amber colour solution is formed on the addition of water. The solution will change colour to black in the presence of H₂S-producing organisms in ambient temperatures between 25°C and 44°C, preferably to be kept at 35-37°C, for an observation time of 12 to 18 hours. No incubator is needed for this range of temperatures.

Scenario-1: - No change in the colour of the water (Fig -1) in the bottle / Yellow tinge. Water is fit for drinking.

Scenario-2: - Water in the bottle turns black (Fig-2) Water is unfit for drinking.

Fig-1



Fig -2

