

# ECOCONCERN'S APPROACH TO SAFE WATER

### Introducing Arsenic test kit and ECC vial





Serving Communities with Safe Water, Sustainable Sanitation and Healthy Environment



### Drinking Water Issues in Nepal

- ≻47% of Nepal's population in Terai region and among that population 90% consume Arsenic contaminated water (NASC, 2000)
- Another issue : Fecal matter increasing in water supply and is the root cause of pathogens in drinking water
- >Lack of a simple, cheap, and easy to use test kit to ensure water is safe to drink.





### Introducing Water test kits



#### Arsenic Test Kit

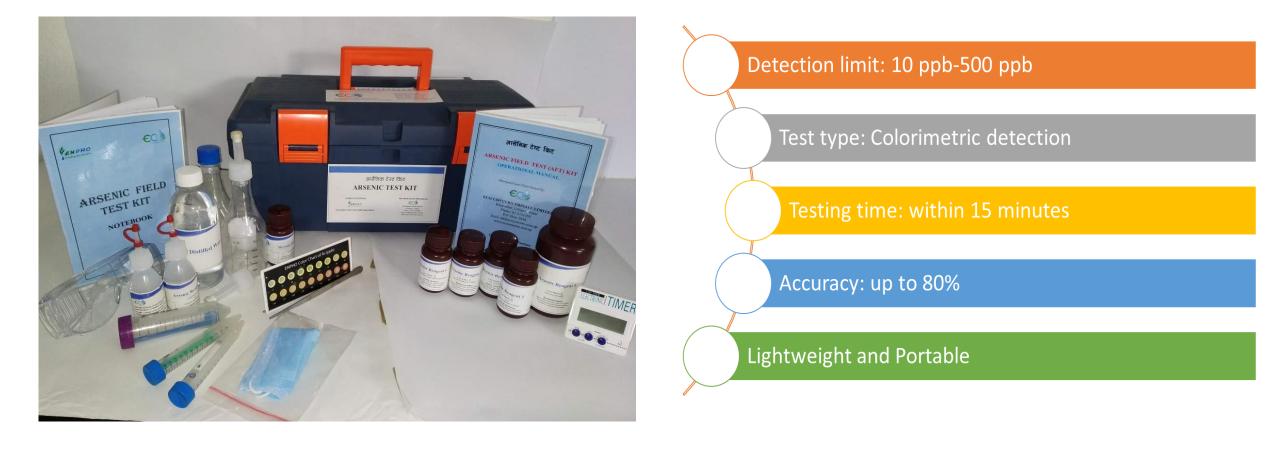


#### E. coli and coliform (ECC) Vial

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### ARSENIC TEST KIT

Arsenic Test kit is a semi-quantitative method to analyze inorganic Arsenic present in water samples on-field. It is based on color comparison method with standard Arsenic color chart.



## Features of ECC VIAL

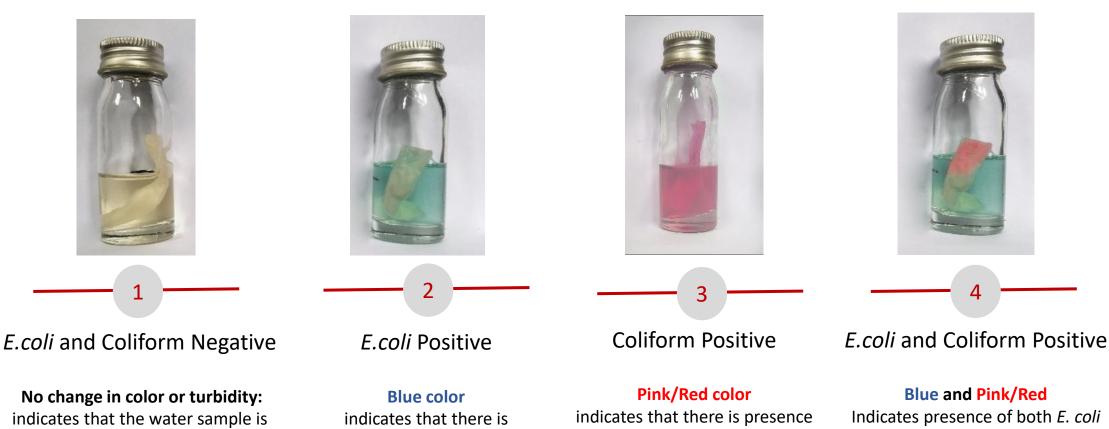


*ECC* Vial can detect *E. coli* and coliform simultaneously by indicating through color change in water sample. It requires incubator for the result.



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### Result Interpretation: Four possible outcomes ᅂ



free of any bacteria and is safe for drinking.

indicates that there is presence of *E. coli* in the water sample and the water is unsafe to drink.

indicates that there is presence of other coliform bacteria in the water sample and the water is unsafe to drink. Indicates presence of both *E. coli* and other coliform bacteria and indicates that the water is unsafe to drink.





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