

DRDO Water Testing Kit (11 Parameters)

The water testing kit developed by DRDO provides the facility for testing physical, chemical and bacteriological (coliform bacteria) quality of water in the field condition. It enables to test eleven (11) selected physico-chemical parameters including fecal contamination of water. It takes about 1 hour to test the physico-chemical parameters and about 6-12 hours to test the presence/absence fecal organism (coliform). The kit is provided with stores viz. glass & plastic wares, arsine generator set, TDS meter, incubator etc. and sufficient reagent and test strips to test for 100 water samples. All the items required for the tests are contained in a portable box to facilitate easy carrying. The standard colour charts are used to provide for comparison of test solution for estimation of various parameters in the water sample.

Main features:

- The test parameters (qualitatively) are; pH, Total Hardness, Residual Chlorine, Chloride, Fluoride, Nitrate, Sulphate, Iron, Arsenic, TDS and Bacteria
- The tests results are performed on 'Accept'/'Reject' basis
- The Kit is cheap and easy to carry in the field
- One unskilled person can determine the parameters of drinking water
- A single kit can analyze 100 samples with accuracy and precision



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