

## LETZTEST TUBES

LetzTest Tubes are a presence/absence test to easily detect bacteria of fecal origin in drinking water. The test tubes have numerous advantages in their use in rural areas where a laboratory and qualified workforce resources might not be available.

<b>Form:</b>	Dry test strip in PP tube
<b>Dimensions:</b>	25 ml 90x25 mm + lock
<b>Weight:</b>	9 g
<b>Sample type:</b>	Drinking water. Suitable for chlorinated and non-chlorinated water samples as the test strip contains thiosulfate
<b>Detects:</b>	<i>Escherichia coli</i> (e.g. ATTC 8739), other H <sub>2</sub> S producing bacteria of fecal origin such as Salmonella and Citrobacter
<b>Detection limit:</b>	Test tubes successfully indicate less than 10/cfu of <i>Escherichia Coli</i> (ATTC 8739) in 20 ml test volume
<b>Selectivity:</b>	Made selective against growth of bacteria of non-fecal origin
<b>Incubation:</b>	Cultural characteristics observed after an incubation of 15 – 48 hours at ambient temperature (25°C to 44°C). Recommended incubation temperature is 32-37°C
<b>Disposal:</b>	Incineration of tubes (including solution) <b>or</b> add few drops of some disinfectant (i.e. dettol, phenyl etc.) before discarding the bottle <b>or</b> use the autoclave wherever the facility is available.
<b>Storage &amp; shelf-life:</b>	< 30°C (no light), 2 years
<b>Languages:</b>	English, French

## DIRECTIONS

1. Open without touching the inside
2. Fill it up to the mark
3. Tighten cap & shake
4. Keep at room temperature away from sunlight for 15-48 hours (preferably at 32-37°C)
5. After incubation read result (clear=good; black=bad).

## HOUSEHOLD WATER TEST KIT

The Household Water Test Kit is a presence /absence test kit, which detects bacteria of fecal origin in drinking water. The Kit has numerous advantages in its use in rural areas and with respect to the objective of education and sustainable behavior change. The Household Water Test Kit considers particularly the problem of severe contamination on the way from an improved source, which may deliver safe drinking water, to the point of consumption. The kit goes along with the new strategy of the World Health Organization for communities that are not connected to a central supply network, a simple and secure multi-barrier approach: (i) improved source; (ii) treatment within the household (iii) safe storage after treatment.

## CONTENT

- 15 LetzTest Tubes
- Water Quality education Booklet. The booklet illustrates the link between fecal contamination of drinking water and diarrheal diseases
- Brief test instruction
- Figurative & detailed test instructions
- Result Chart
- Pen
- Stickers

**Dimensions:** 173x109x100 mm

**Weight:** 190 g

**Languages:** English, French