

## DETECTION OF PROTOZOA IN WATER

### Parasitic Protozoa Disease

Parasitic diseases contribute significantly to the burden of infectious diseases worldwide. Enteric protozoa continue to be the most commonly encountered parasitic diseases and to cause significant morbidity and mortality throughout both developed and developing regions of the world, affecting millions of people each year.

### Parasitic Protozoa in Human

Several species of enteric protozoa are associated with diarrheal illnesses in humans, with some causing severe debilitating illness, especially in immunosuppressed populations.

### Detection of Enteric Protozoa

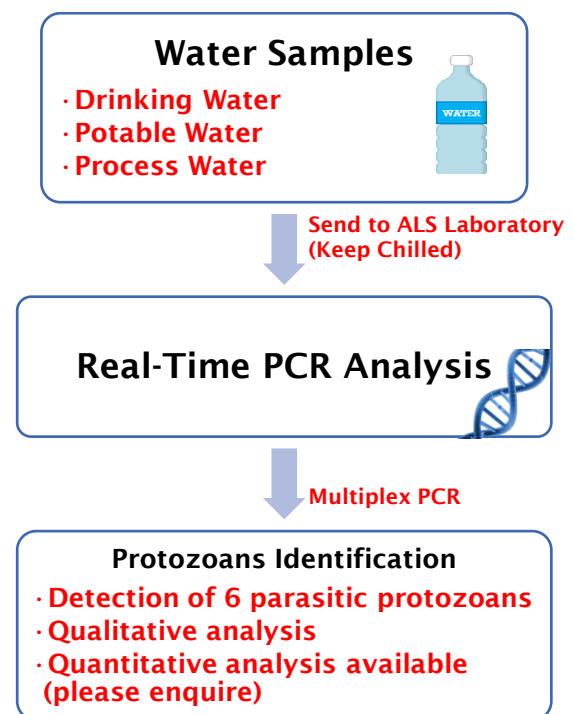


- Giardia
- Entamoeba
- Dientamoeba
- Cryptosporidium
- Blastocystis
- Cyclospora

Listed in

- Malaysia's National Drinking Water Standard (Group 1)
- WHO's Guidelines for Drinking-water Quality

### Protozoa Detection with RT-PCR



**Sample volume required:** 500mL to 1L

**Turnaround time:** 3 working days

**Limits of Detection:** 2 copies/L

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