

Waterborne pathogen detection

Accurate
results in under
2 hours

Water contamination is a major factor in the spread of serious waterborne diseases like cholera, typhoid, and hepatitis. These diseases pose significant health risks to millions globally, especially in areas lacking proper sanitation. Waterborne epidemics have struck various geographic regions primarily driven by harmful bacteria, viruses, and protozoa.

According to the most recent Guidelines for Drinking-water Quality from the World Health Organization (WHO), zoonotic pathogens, constituting 75% of emerging pathogens, present the most significant hurdles in guaranteeing the safety of both drinking water and natural water sources.

In response to this pressing need, UNICEF has updated its requirements for Rapid Water Quality Tests, stipulating a turnaround time of less than 2 hours. This underscores the urgency for rapid screening tests to safeguard human health. Current methods often entail lengthy microbiological processes spanning several days to yield results, highlighting the necessity for quicker solutions.

genesig® qPCR Detection Kits for waterborne pathogens

genesig qPCR waterborne pathogen detection kits offer accurate results in under 2 hours, providing an efficient and effective monitoring tool for a

Waterborne pathogens

Bacteria
Clostridium perfringens
Aspergillus species
Campylobacter coli
Campylobacter jejuni
Campylobacter coli and Campylobacter jejuni
Clostridium botulinum (toxin D)
Clostridium difficile (toxin A)
Clostridium difficile (toxin B)
Escherichia coli (all strains)
Escherichia coli 0157:H7
Helicobacter pylori
Legionella species
Legionella pneumophila
Mycobacterium avium
Pseudomonas aeruginosa
Salmonella enterica
Shigella species

wide range of water types, including drinking water, surface water and wastewater, and recreational water bodies.

Protozoa
Ascaris lumbricoides/suum
Cryptosporidium parvum
Entamoeba histolytica
Toxoplasma gondii
Giardia intestinalis
Naegleria fowleri
Naegleria species

Viruses
Hepatitis A Virus
Hepatitis E Virus
Human Astrovirus 1-8
Norovirus genogroups I and II
Human Rotavirus A
Human Rotavirus B
Human Rotavirus C

For our full list of waterborne pathogen kits please visit Primerdesign.co.uk

Can't see what you are looking for?
Contact us for custom assay development.

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