

Aquaculture Pathogen qPCR Detection Kits

Safeguard Aquaculture stocks with fast and specific pathogen detection

The aquaculture industry has become increasingly important and is rapidly growing in terms of providing a protein food source for human consumption. With the increase in the global population, demand for aquaculture and the need for fish farms will intensify.



Pathogens such as ISAV, *Vibrio harveyi*, and Norovirus pose significant risks of mass mortality in intensive fish and shellfish farming

Aquaculture productivity is limited by the presence and spread of infectious fish diseases, which can impact fish farming livelihoods and food security globally. It is therefore vital to detect pathogens early to reduce disease risk in fish and to minimise possible stock depletion.

qPCR offers a fast technique that detects pathogens within a few hours. This enables you to quarantine or treat the affected aquaculture animal fast, safeguarding your stock.

The highly selective and specific detection profile of these kits enables the precise identification of the pathogen under investigation. Accurate detection of the disease permits fast isolation and more effective treatment of the aquaculture animal.

Using the genesig range, a wide variety of infectious diseases, bacteria and parasite infections can be detected. qPCR cycling conditions are maintained across all pathogen kits allowing simultaneous detection of multiple pathogens from one sample.

Key Benefits

1. Rapid detection in just over 90 minutes
2. Easy to use
3. Broad portfolio of kits
4. Custom assay service available
5. Supplied lyophilised with no cold chain shipping



genesig qPCR Kits for Aquaculture Pathogen Detection

Key Fish Pathogens
Bacteria
Aeromonas salmonicida
Candidatus Branchiomonas cysticola (Ca.B.cysticola)
Flavobacterium psychrophilum
Photobacterium damsela
Piscirickettsia salmonis
Renibacterium salmoninarum (BKD)
Yersina ruckeri
Photobacterium damsela piscicida
Streptococcus agalactiae
Vibrio anguillarum
Vibrio parahaemolyticus
Vibrio spp
Virus
Betanodavirus (NNV)
Infectious hematopoietic necrosis virus (IHNV)
Infectious Pancreatic necrosis virus (IPNV)
Infectious Salmon Anaemia Virus (ISAV)
ISAV- HPR0 (available for NA and EU strains)
Piscine myocarditis Virus (PMCV)
Piscine reovirus
Salmonid alpha virus (SAV)
Salmon Gill Pox Virus (SGPV)
Viral haemorrhagic septicaemia (VHSV)
Betanodavirus (NNV)
Tilapia Lake Virus (TiLV)
Parasites
Neoparamoeba perurans (amoebic gill disease)
Paranucleospora theridion

Other Fish and Shellfish Pathogens
Bacteria
Aeromonas sobria
Aeromonas caviae
Aeromonas hydrophila
Aeromonas veronii
E.coli
Listeria monocytogenes
Vibrio harveyi
Virus
Epizootic haematopoietic necrosis virus (EHNV)
Koi/Cyprinid Herpes Virus 3 (CyHV3)
Hepatitis A Virus (HAV)
Lymphocystivirus (LCV)
Norovirus (oyster specific)
Spring Viremia of carp Virus (SVCV)
Viral haemorrhagic septacemia Virus (VHSV)
White Spot Syndrome Virus (WSSV)

Contact us today to place your order:
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For our full range of aquaculture qPCR kits,
 see the full catalogue on our website



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