



## IMPROVE FISH HEALTH MANAGEMENT

### USING KYLT<sup>®</sup> FISH DIAGNOSTIC PRODUCTS

Both farmed and wild fish are susceptible to bacterial, viral, and parasitic infections. Farmed fish are reared at higher density than nature, and infected fish are not removed promptly by natural predators. Risks also include the amplification and transmission of disease from farmed to wild fish and vice versa, as well as the introduction of non-native pathogens and parasites when fish are transported.

Fish farmers depend on high survival rates and marketing healthy fish to keep businesses operating on economic feasibility. Hence, disease events in fish farms can have a huge economic impact shown by significant losses in both fresh and seawater.

Many infectious diseases show widespread geographical distribution. Clinical infections can affect fish at any stage, often with detrimental effects. Fish disease outbreaks show high complexity, as especially viral diseases tend to be difficult to diagnose.

We used our expertise to develop a new product line to meet the needs of aquaculturists and natural resource managers. The **Kylt<sup>®</sup> Fish Diagnostic Products** are reliable Real-Time PCR tests for the fast detection of economically relevant bacterial and viral diseases.



### THE KYLT<sup>®</sup> FISH DIAGNOSTIC PRODUCTS FEATURE:

- Detection of a range of bacterial and viral fish pathogens
- Development by a team of experts for lab routine
- Easy-to-use products, with aligned protocols and simplified number of steps
- High compatibility within the Kylt<sup>®</sup> portfolio and thermal cyclers in the market
- Availability for 100 or 25 tests

## THE USE OF KYLT® FISH DIAGNOSTIC PRODUCTS ENABLE:

- Reduced lab costs
- Reduced risk of errors
- Higher lab productivity
- Operational time savings
- Simplified hands-on lab work
- Convenience of integrated solutions



## DISCOVER A BROAD RANGE OF TOOLS TO MONITOR PATHOGENS IN AQUACULTURE

| Tested Parameter                              | Method  | Art.-No<br>100 reactions | Art.-No<br>25 reactions |
|---|---------|--------------------------|-------------------------|
| Edwardsiella ictaluri & piscicida             | qPCR    | 31553                    | 31554                   |
| Francisella orientalis                        | qPCR    | 31571                    | 31572                   |
| Flavobacterium columnare                      | qPCR    | 31569                    | 31570                   |
| Infectious Hematopoietic Necrosis Virus       | RT-qPCR | 31563                    | 31564                   |
| Infectious Pancreatic Necrosis Virus          | RT-qPCR | 31623                    | 31624                   |
| Infectious Salmon Anaemia Virus               | RT-qPCR | 31561                    | 31562                   |
| Infectious Spleen & Kidney Necrosis Virus     | qPCR    | 31632                    | 31633                   |
| Koi Herpesvirus                               | qPCR    | 31559                    | 31560                   |
| Streptococcus agalactiae Serotype Ia, Ib, III | qPCR    | 31549                    | 31550                   |
| Streptococcus iniae                           | qPCR    | 31567                    | 31568                   |
| Viral Hemorrhagic Septicaemia Virus           | RT-qPCR | 31565                    | 31566                   |

## DIFFERENT PRODUCTS COMPLEMENT OUR PORTFOLIO

Different products and accessories, which are designed to support RNA and DNA extraction, purification, pathogen detection, and characterization complement the portfolio of solutions for detecting pathogens in aquaculture.



## HIGH-QUALITY TESTED AND CERTIFIED, EASY-TO-USE PRODUCTS

Kylt® products are easy-to-use and compatible with all Real-Time PCR thermal cyclers available on the market. Kylt® products are developed, validated, and manufactured in Germany, under rigorous protocols, and are put through tests in our daily high-throughput diagnostic routine laboratory, with samples from all over the world.

High-quality Kylt® processes and products are certified by ISO 9001:2015. Furthermore, selected kits are MicroVal® certified, approved by the Friedrich-Loeffler-Institute (FLI) or registered in several countries.

For further information, please visit [www.kylt.eu](http://www.kylt.eu) or contact us a by email: [kylt-de@san-group.com](mailto:kylt-de@san-group.com)

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Management System  
ISO 9001:2015



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ID 9000003434