



ANIMAL HEALTH  
MONITORING



In accordance with FELASA  
recommendations.

# AQUATIC SERVICES

- Fully automated high throughput extraction and analysis
- Bespoke panels without extra costs
- Urgent analysis - turnaround 48 hours



## AQUATIC REAL - TIME PCR PANELS ZEBRAFISH

	Fera Mycobacteria panel	Fera SMOP panel	Fera SLOM panel	Fera Extended panel
<i>Mycobacterium chelonae</i>	✓	✓	✓	✓
<i>Mycobacterium abscessus</i>	✓	✓	✓	✓
<i>Mycobacterium fortuitum</i>	✓	✓	✓	✓
<i>Mycobacterium goodnae</i>	✓	✓	✓	✓
<i>Mycobacterium haemophilum</i>	✓	✓	✓	✓
<i>Mycobacterium marinum</i>	✓	✓	✓	✓
<i>Mycobacterium peregrinum</i>	✓	✓	✓	✓
<i>Pseudocapillaria tomentosa</i>		✓	✓	✓
<i>Pseudoloma neurophilia</i>		✓	✓	✓
<i>Edwardsiella ictaluri</i>			✓	✓
<i>Flavobacterium columnare</i>			✓	✓
<i>Ichthyophthirius multifiliis</i>			✓	✓
<i>Myxidium streisingeri</i>			✓	✓
<i>Pleistophora hypnessobryconis</i>			✓	✓
<i>Piscinoodinium species</i>			✓	✓
<i>Picornavirus-1</i>				✓
<i>Infectious Spleen and Kidney Necrosis Virus</i>				✓
<i>Infectious Pancreatic Necrosis Virus</i>				✓
<i>Aeromonas hydrophila</i>				✓
<i>Saprolegnia brachydanis</i>				✓

Submit fish, Sludge swab, Sump biofilm swab and feed for analysis.

	Xenopus	Axolotl
<i>Batrachochytrium dendrobatidis</i>	✓	✓
<i>Mycobacterium chelonae</i>	✓	✓
<i>Mycobacterium gordonae</i>	✓	
<i>Mycobacterium marinum</i>	✓	✓
<i>Mycobacterium ulcerans/Iflandii</i>	✓	
<i>Ranavirus species</i>	✓	✓
<i>Salmonella species</i>	✓	✓
<i>Batrachochytrium salamandrivorans</i>		✓
<i>Chilomastix spp.</i>		✓
<i>Flavobacterium columnare</i>		✓
<i>Piscinoodinium pillulare</i>		✓
<i>Pseudocappilaroides xenopi</i>	✓	
<i>Cryosporidium species</i>	✓	
<i>Pseudomonas aeruginosa</i>	✓	

## MICROBIOLOGICAL CULTURE AND IDENTIFICATION BY MALDI-ToF AND SEQUENCING

### Culture

*Aeromonas species including A. hydrophila, A. caviae, A. salmonicida, A. sobria and A. veronii*  
*Edwardsiella species including E. ictaluri*  
*Flavobacterium species including F. columnare*  
*Saprolegnia species*  
*Vibrio species including V. parahaemolyticus*  
 Agents as requested

### Water Microbiology

Total viable counts for bacteria and yeasts  
 Bacterial counts for E.coli, coliforms and Pseudomonas species  
 Real-time PCR analysis of water samples for specific targets or panels

## WATER POLLUTANTS

### Total Concentration

1_1_1 - Trichloro ethane	Iron as Fe	Toluene
Thallium as Tl	Lead as Pb	Tetrachloro methane
Titanium as Ti	M + P Xylene	Thallium as Tl
Toluene	Mercury as Hg	Toluene
Total Trihalo methanes	Molybdenum as Mo	Total Trihalo methanes
Total Xylene	Methyl tert - butyl ether	Total Xylene
trans-1_2-Dichloro ethene	Nickel as Ni	trans-1_2-Dichloro ethene
Tribromo methane (Bromoform)	o - Xylene	Tribromo methane (Bromoform)
Trichloro ethene	Selenium as Se	Trichloro ethene
Trichloro methane (Chloroform)	Sum of Tri & Tetrachloroethane	Trichloro methane (Chloroform)
Uranium as U	Tetrachloro ethane	Uranium as U
Zinc as Zn	Tetrachloro methane	Zinc as Zn
Dibromo Chloromethane	Thallium as Tl	
Ethyl benzene	Titanium as Ti	