

Aquatic Services



In accordance with FELASA recommendations.

Fera Animal Health Monitoring

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

ORGANISMS	FERA MYCOBACTERIA PANEL	FERA SMOP PANEL	FERA SLOM PANEL	FERA EXTENDED PANEL	METHODS
<i>Mycobacterium chelonae</i>	o	o	o	o	PCR
<i>Mycobacterium abscessus</i>	o	o	o	o	PCR
<i>Mycobacterium fortuitum</i>	o	o	o	o	PCR
<i>Mycobacterium gordonae</i>	o	o	o	o	PCR
<i>Mycobacterium haemophilum</i>	o	o	o	o	PCR
<i>Mycobacterium marinum</i>	o	o	o	o	PCR
<i>Mycobacterium peregrinum</i>	o	o	o	o	PCR
<i>Mycobacterium saopaulense</i>	o	o	o	o	PCR
<i>Pseudocapillaria tomentosa</i>		o	o	o	PCR
<i>Pseudoloma neurophila</i>		o	o	o	PCR
<i>Edwardsiella ictaluri</i>			o	o	PCR
<i>Flavobacterium columnare</i>			o	o	PCR
<i>Ichthyophthirius multifiliis</i>			o	o	PCR
<i>Myxidium streisingeri</i>			o	o	PCR
<i>Pleistophora hyphessobryconis</i>			o	o	PCR
<i>Piscinoodinium species</i>			o	o	PCR
<i>Picornavirus-1</i>				o	PCR
<i>Infectious Spleen and Kidney Necrosis Virus</i>				o	PCR
<i>Infectious Pancreatic Necrosis Virus</i>				o	PCR
<i>Aeromonas hydrophila</i>				o	PCR
<i>Saprolegnia brachydans</i>				o	PCR
<i>Gyrodactylus species</i>				o	PCR

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

ORGANISMS	XENOPUS PANEL	AX/LOTL PANEL	METHODS
<i>Batrachochytrium dendrobatidis</i>	o	o	PCR
<i>Mycobacterium chelonae</i>	o	o	PCR
<i>Mycobacterium gordonae</i>	o		PCR
<i>Mycobacterium marinum</i>	o	o	PCR
<i>Mycobacterium ulcerans/Iflandii</i>	o		PCR
<i>Ranavirus species</i>	o	o	PCR
<i>Salmonella species</i>	o	o	PCR
<i>Batrachochytrium salamandrivorans</i>		o	PCR
<i>Chilomastix spp.</i>		o	PCR
<i>Flavobacterium columnare</i>		o	PCR
<i>Piscinoodinium pillulare</i>		o	PCR
<i>Pseudocapillarioides xenopi</i>	o		PCR
<i>Cryptosporidium species</i>	o		PCR
<i>Pseudomonas aeruginosa</i>	o		PCR

Science for life

fera.co.uk/services/testing-and-analysis/animal-health

Microbiological Culture And Identification By MALDI-Tof And Sequencing

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

Water Microbiology
Total viable counts for bacteria and yeasts Bacterial counts for <i>E.coli</i> , coliforms and <i>Pseudomonas</i> 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 (Bro-moform)	o – Xylene	Tribromo methane (Bromo-form)
Trichloro ethene	Selenium as Se	Trichloro ethene
Trichloro methane (Chlo-roform)	Sum of Tri & Tetrachloro-ethane	Trichloro methane (Chloro-form)
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 T	