



ANIMAL HEALTH MONITORING

RAT PANELS

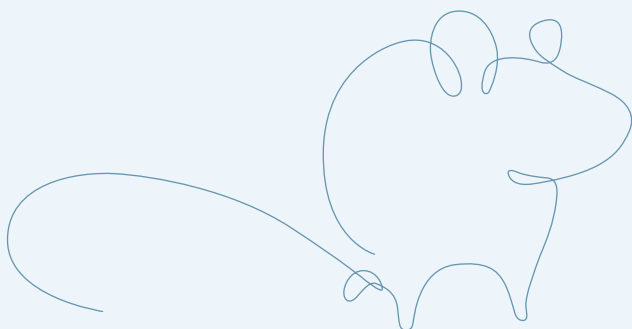
FERA OFFER A MICROBIOLOGICAL TESTING SERVICE FOR RATS IN ACCORDANCE WITH FELASA RECOMMENDATIONS. TALK TO US TO DEVISE YOUR OWN BESPOKE PANEL, WITH NO HIDDEN COSTS.



In accordance with FELASA recommendations.

We are committed to listening to our customers to develop and improve our rodent screening service. Our rat panels include *Rodentibacter rattii* formerly *Pasteurella pneumotropica* Taxon B, Taxon 22.

- // Utilises latest advances in diagnostics; Taqman® Real-Time PCR, Maldi-ToF and Volumetric Absorbive Microsampling (VAMs)
- // Fully automated high throughput extraction and analysis
- // Bespoke panels without extra costs
- // *Rodentibacter rattii* **Real-Time** PCR available
- // Urgent analysis - turnaround 24 hours
- // Tests can be applied to 'live' sampling and post-mortem sampling
- // In-house validated tests consistently identify pathogens in laboratory animals
- // Complementary consultancy set-up and training service by a specialist microbiologist



ORGANISMS	SPECIMIN TYPE	FERA QUARTERLY PANEL	FERA QUARTERLY PANEL + OPPORTUNISTS	FERA ANNUAL PANEL	FERA ANNUAL PANEL + OPPORTUNISTS	FERA MOUSE IMMUNO-COMPROMISED	METHOD
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BACTERIA & FUNGI

<i>B-Haemolytic Streptococcus Lancefield Group A</i>	WA/OS/E	o	o	o	o	o	qPCR/Cult
<i>B-Haemolytic Streptococcus Lancefield Group B</i>	WA/F/E	o	o	o	o	o	qPCR/Cult
<i>B-Haemolytic Streptococcus Lancefield Group C</i>	WA/F/E	o	o	o	o	o	qPCR/Cult
<i>B-Haemolytic Streptococcus Lancefield Group G</i>	WA/F/E	o	o	o	o	o	qPCR/Cult
<i>Bordetella bronchiseptica</i>	WA/OS/E		o		o	o	qPCR/Cult
<i>Campylobacter species</i>	WA/F/E		o		o	o	qPCR/Cult
<i>Clostridium piliforme</i>	WA/F/B/E	o	o	o	o	o	qPCR/MFIA
<i>Corynebacterium bovis</i>	WA/PS/E		o		o	o	qPCR/Cult
<i>Corynebacterium kutscheri</i>	WA/F/E		o		o	o	qPCR/Cult
<i>Filobacterium rodentium</i>	WA/OS/B			o	o	o	qPCR/MFIA
<i>Helicobacter species</i>	WA/F/E	o	o	o	o	o	qPCR/Cult
<i>Helicobacter bilis</i>	WA/F/E	o	o	o	o	o	PCR/Cult
<i>Helicobacter ganmani</i>	WA/F/E	o	o	o	o	o	PCR/Cult
<i>Helicobacter hepaticus</i>	WA/F/E	o	o	o	o	o	PCR/Cult
<i>Helicobacter mastomyrinus</i>	WA/F/E	o	o	o	o	o	PCR/Cult
<i>Helicobacter rodentium</i>	WA/F/E	o	o	o	o	o	PCR/Cult
<i>Helicobacter typhlonius</i>	WA/F/E	o	o	o	o	o	PCR/Cult
<i>Klebsiella oxytoca</i>	WA/F/E		o		o	o	qPCR/Cult
<i>Klebsiella pneumoniae</i>	WA/OS/E		o		o	o	qPCR/Cult
<i>Mannheimia haemolytica</i>	WA/OS/E				o	o	qPCR/Cult
<i>Mycoplasma pulmonis</i>	WA/OS/B/E	o	o	o	o	o	qPCR/MFIA
<i>Pasteurella multocida</i>	WA/OS/E				o	o	qPCR/Cult
<i>Pneumocystis species</i>	WA/OS/B/E			o	o	o	qPCR/MFIA
<i>Proteus mirabilis</i>	WA/F/E		o		o	o	qPCR/Cult
<i>Pseudomonas aeruginosa</i>	WA/F/E		o		o	o	qPCR/Cult
<i>Rodentibacter heylii</i>	WA/OS/E	o	o	o	o	o	qPCR/Cult
<i>Rodentibacter pneumotropicus</i>	WA/OS/E	o	o	o	o	o	qPCR/Cult
<i>Rodentibacter rattii</i>	WA/OS/E	o	o	o	o	o	qPCR/Cult
<i>Salmonella species</i>	WA/F/E			o	o	o	qPCR/Cult
<i>Staphylococcus aureus</i>	WA/F/E		o		o	o	qPCR/Cult
<i>Streptobacillus moniliformis</i>	WA/F/E			o	o	o	qPCR/Cult
<i>Streptococcus pneumoniae</i>	WA/OS/E	o	o	o	o	o	qPCR/Cult

PARASITES

<i>Aspicularis tetraptera</i>	WA/F/E	o	o	o	o	o	qPCR/FC
<i>Chilomastix</i>	WA/F/E	o	o	o	o	o	qPCR/FC
<i>Cryptosporidium species</i>	WA/F/E	o	o	o	o	o	qPCR/MZN
<i>Encephalitozoon cuniculi</i>	WA/B			o	o	o	MFIA
<i>Entamoeba muris</i>	WA/F/E	o	o	o	o	o	qPCR/FC
<i>Giardia species</i>	WA/F/E	o	o	o	o	o	qPCR/MIC
<i>Myobia musculi</i>	WA/PS/E	o	o	o	o	o	qPCR/MIC
<i>Myocoptes musculinus</i>	WA/PS/E	o	o	o	o	o	qPCR/MIC
<i>Radfordia species</i>	WA/PS/E	o	o	o	o	o	qPCR/FC
<i>Spironucleus muris</i>	WA/F/E	o	o	o	o	o	qPCR/FC
<i>Syphacia muris</i>	WA/F/E	o	o	o	o	o	qPCR/FC
<i>Syphacia obvelata</i>	WA/F/E	o	o	o	o	o	qPCR/FC
<i>Tritrichomonas species</i>	WA/F/E	o	o	o	o	o	qPCR/FC

VIRUSES

Seoul Rat Hantavirus	WA/F/E			o	o	o	RT-qPCR/MFIA
Kilham Rat Virus	WA/F/E	o	o	o	o	o	qPCR/MFIA
Mouse Adenovirus	WA/F/E			o	o	o	qPCR/MFIA
Pneumonia Virus of Mice	WA/OS/E	o	o	o	o	o	RT-qPCR/MFIA
Rat Coronavirus /Sialacrodentis virus	WA/OS/E	o	o	o	o	o	RT-qPCR/MFIA
Rat Minute Virus	WA/F/E	o	o	o	o	o	qPCR/MFIA
Rat Parvovirus	WA/F/E	o	o	o	o	o	qPCR/MFIA
Rat Theilovirus	WA/F/E	o	o	o	o	o	RT-qPCR/MFIA
Reovirus 3	WA/F/E			o	o	o	RT-qPCR/MFIA
Sendai Virus	WA/OS/E			o	o	o	RT-qPCR/MFIA
Toolan's H1 virus	WA/F/E	o	o	o	o	o	qPCR/MFIA

WA = WHOLE ANIMAL
F = FAECES
B = BLOOD VAMS MITRA /SERUM
OS = ORAL SWAB
PS = PELT SWAB
E = ENVIRONMENTAL EAD

PCR = POLYMERASE CHAIN REACTION
qPCR = QUANTITATIVE REAL-TIME PCR
RT-qPCR = REVERSE TRANSCRIPTASE QUANTITATIVE REAL-TIME PCR
MFIA = MULTIPLEX FLUOROMETRIC IMMUNOASSAY
MIC = MICROSCOPY
FC = FAECAL CONCENTRATION
MZN = MODIFIED ZIEHL-NEELENSEN