

3R's Panoptic Panels



In accordance with FELASA recommendations.

Fera Animal Health Monitoring

Environmental sampling of either shake cage filters, exhaust air filters or swabs of plenums offer a new and innovative approach to rodent health monitoring.

Use these panels either as an adjunct to your health monitoring programme or to replace sentinels in your facility altogether.

Key Highlights:

- Utilises Taqman[®] real-time PCR
- Fully automated high-throughput extraction and analysis
- Bespoke panels without extra costs
- Urgent analysis – turnaround 24 hours
- Complementary consultancy service by a specialist microbiologist

Mouse - Bacteria and fungi

ORGANISMS	FERA QUARTERLY MOUSE PANEL	FERA QUARTERLY MOUSE PANEL + OPPORTUNISTS	FERA ANNUAL MOUSE PANEL	FERA ANNUAL MOUSE PANEL + OPPORTUNISTS	FERA MOUSE IMMUNOCOMPROMISED	METHOD
<i>B-Haemolytic Streptococcus Lancefield Group A</i>	o	o	o	o	o	PCR
<i>B-Haemolytic Streptococcus Lancefield Group B</i>	o	o	o	o	o	PCR
<i>B-Haemolytic Streptococcus Lancefield Group C</i>	o	o	o	o	o	PCR
<i>B-Haemolytic Streptococcus Lancefield Group G</i>	o	o	o	o	o	PCR
<i>Bordetella bronchiseptica</i>					o	PCR
<i>Candidatus savagella (SFB)</i>		o		o	o	PCR
<i>Campylobacter species</i>		o		o	o	PCR
<i>Citrobacter rodentium</i>			o	o	o	PCR
<i>Clostridium piliforme</i>			o	o	o	PCR
<i>Corynebacterium bovis</i>					o	PCR
<i>Corynebacterium kutscheri</i>			o	o	o	PCR
<i>Filobacterium rodentium</i>		o		o	o	PCR
<i>Helicobacter species</i>	o	o	o	o	o	PCR
<i>Helicobacter bilis</i>	o	o	o	o	o	PCR
<i>Helicobacter ganmani</i>	o	o	o	o	o	PCR
<i>Helicobacter hepaticus</i>	o	o	o	o	o	PCR
<i>Helicobacter mastomyrinus</i>	o	o	o	o	o	PCR
<i>Helicobacter rodentium</i>	o	o	o	o	o	PCR
<i>Helicobacter typhlonius</i>	o	o	o	o	o	PCR
<i>Klebsiella oxytoca</i>		o		o	o	PCR
<i>Klebsiella pneumoniae</i>		o		o	o	PCR
<i>Mannheimia haemolytica</i>		o		o	o	PCR
<i>Mycoplasma pulmonis</i>			o	o	o	PCR
<i>Pasteurella multocida</i>				o	o	PCR
<i>Pneumocystis species</i>				o	o	PCR
<i>Proteus mirabilis</i>		o		o	o	PCR
<i>Pseudomonas aeruginosa</i>		o		o	o	PCR
<i>Rodentibacter heylii</i>	o	o	o	o	o	PCR
<i>Rodentibacter pneumotropicus</i>	o	o	o	o	o	PCR
<i>Salmonella species</i>			o	o	o	PCR
<i>Staphylococcus aureus</i>		o	o	o	o	PCR
<i>Streptobacillus moniliformis</i>			o	o	o	PCR
<i>Streptococcus pneumoniae</i>	o	o	o	o	o	PCR

Mouse - Parasites

<i>Aspiculuris tetraptera</i>	o	o	o	o	o	PCR
<i>Cryptosporidium species</i>	o	o	o	o	o	PCR
<i>Chilomastix</i>	o	o	o	o	o	PCR
<i>Demodex musculi</i>				o	o	PCR
<i>Eimeria species</i>				o	o	PCR
<i>Encephalitozoon cuniculi</i>				o	o	PCR
<i>Entamoeba muris</i>	o	o	o	o	o	PCR
<i>Giardia species</i>	o	o	o	o	o	PCR
<i>Myobia musculi</i>	o	o	o	o	o	PCR
<i>Myocoptes musculus</i>	o	o	o	o	o	PCR
<i>Ornithonyssus bacoti</i>				o	o	PCR
<i>Radfordia species</i>	o	o	o	o	o	PCR
<i>Spiroplasma muris</i>	o	o	o	o	o	PCR
<i>Syphacia muris</i>	o	o	o	o	o	PCR
<i>Syphacia obvelata</i>	o	o	o	o	o	PCR
<i>Trichostrongylus axei</i>	o	o	o	o	o	PCR

Mouse - Viruses

<i>Ectromelia Virus</i>			o	o	o	PCR
<i>Hantaan</i>			o	o	o	RT-PCR
<i>Lactate Dehydrogenase Elevating Virus</i>			o	o	o	RT-PCR
<i>Lymphocytic Choriomeningitis Virus</i>			o	o	o	RT-PCR
<i>Mouse Adenovirus</i>			o	o	o	PCR
<i>Mouse Cytomegalovirus</i>			o	o	o	PCR
<i>Mouse Hepatitis Virus</i>	o	o	o	o	o	RT-PCR
<i>Mouse Minute Virus</i>	o	o	o	o	o	PCR
<i>Mouse Norovirus</i>	o	o	o	o	o	RT-PCR
<i>Mouse Kidney Parvovirus</i>			o	o	o	PCR
<i>Mouse Parvovirus</i>	o	o	o	o	o	PCR
<i>Mouse Rotavirus EDIM</i>	o	o	o	o	o	RT-PCR
<i>Mouse Thymic Virus</i>			o	o	o	PCR
<i>Pneumonia Virus of Mouse</i>			o	o	o	RT-PCR
<i>Polyoma Virus</i>			o	o	o	PCR
<i>Reovirus-3</i>			o	o	o	RT-PCR
<i>Sendai Virus</i>			o	o	o	RT-PCR
<i>Theiler's Murine Encephalomyelitis Virus</i>	o	o	o	o	o	RT-PCR

Rat - Bacteria and fungi

ORGANISMS	FERA QUARTERLY RAT PANEL	FERA QUARTERLY RAT PANEL + OPPORTUNISTS	FERA ANNUAL RAT PANEL	FERA ANNUAL RAT+ OPPORTUNISTS	FERA RAT IMMUNOCOMPROMISED	METHOD
<i>B-Haemolytic Streptococcus Lancefield Group A</i>	o	o	o	o	o	PCR
<i>B-Haemolytic Streptococcus Lancefield Group B</i>	o	o	o	o	o	PCR
<i>B-Haemolytic Streptococcus Lancefield Group C</i>	o	o	o	o	o	PCR
<i>B-Haemolytic Streptococcus Lancefield Group G</i>	o	o	o	o	o	PCR
<i>Bordetella bronchiseptica</i>		o		o	o	PCR
<i>Campylobacter species</i>		o		o	o	PCR
<i>Clostridium piliforme</i>	o	o	o	o	o	PCR
<i>Corynebacterium bovis</i>		o		o	o	PCR
<i>Corynebacterium kutscheri</i>		o		o	o	PCR
<i>Filobacterium rodentium</i>			o	o	o	PCR
<i>Helicobacter species</i>	o	o	o	o	o	PCR
<i>Helicobacter bilis</i>	o	o	o	o	o	PCR
<i>Helicobacter ganmani</i>	o	o	o	o	o	PCR
<i>Helicobacter hepaticus</i>	o	o	o	o	o	PCR
<i>Helicobacter mastomyrinus</i>	o	o	o	o	o	PCR
<i>Helicobacter rodentium</i>	o	o	o	o	o	PCR
<i>Helicobacter typhlonius</i>	o	o	o	o	o	PCR
<i>Klebsiella oxytoca</i>		o		o	o	PCR
<i>Klebsiella pneumoniae</i>		o		o	o	PCR
<i>Mannheimia haemolytica</i>				o	o	PCR
<i>Mycoplasma pulmonis</i>	o	o	o	o	o	PCR
<i>Pasteurella multocida</i>				o	o	PCR
<i>Pneumocystis species</i>			o	o	o	PCR
<i>Proteus mirabilis</i>		o		o	o	PCR
<i>Pseudomonas aeruginosa</i>		o		o	o	PCR
<i>Rodentibacter heylii</i>	o	o	o	o	o	PCR
<i>Rodentibacter pneumotropicus</i>	o	o	o	o	o	PCR
<i>Rodentibacter rattii</i>	o	o	o	o	o	PCR
<i>Salmonella species</i>			o	o	o	PCR
<i>Staphylococcus aureus</i>		o		o	o	PCR
<i>Streptobacillus moniliformis</i>			o	o	o	PCR
<i>Streptococcus pneumoniae</i>	o	o	o	o	o	PCR

Rat - Parasites

<i>Aspiculuris tetraptera</i>	o	o	o	o	o	PCR
<i>Chilomastix</i>	o	o	o	o	o	PCR
<i>Cryptosporidium species</i>	o	o	o	o	o	PCR
<i>Eimeria species</i>			o	o	o	PCR
<i>Encephalitozoon cuniculi</i>			o	o	o	PCR
<i>Entamoeba muris</i>	o	o	o	o	o	PCR
<i>Giardia species</i>	o	o	o	o	o	PCR
<i>Myobia musculi</i>	o	o	o	o	o	PCR
<i>Myocoptes musculus</i>	o	o	o	o	o	PCR
<i>Radfordia species</i>	o	o	o	o	o	PCR
<i>Spironucleus muris</i>	o	o	o	o	o	PCR
<i>Syphacia muris</i>	o	o	o	o	o	PCR
<i>Syphacia obvelata</i>	o	o	o	o	o	PCR
<i>Tritrichomonas species</i>	o	o	o	o	o	PCR

Rat - Viruses

<i>Seoul</i>			o	o	o	RT-PCR
<i>Kilham Rat Virus</i>	o	o	o	o	o	PCR
<i>Lymphocytic Choriomeningitis Virus</i>				o	o	RT-PCR
<i>Mouse Adenovirus</i>			o	o	o	PCR
<i>Pneumonia Virus of Mice</i>	o	o	o	o	o	RT-PCR
<i>Rat Coronavirus /Sialacroadentis virus</i>	o	o	o	o	o	RT-PCR
<i>Rat Minute Virus</i>	o	o	o	o	o	PCR
<i>Rat Parvovirus</i>	o	o	o	o	o	PCR
<i>Rat Theilovirus</i>	o	o	o	o	o	RT-PCR
<i>Reovirus 3</i>			o	o	o	RT-PCR
<i>Sendai Virus</i>			o	o	o	RT-PCR
<i>Toolan's H1 virus</i>	o	o	o	o	o	PCR