

# Mouse Vivum immune competent panel

The Vivum immune competent panel can be used to test animals with an intact B-cell response and is an optimal combination of serological testing, bacterial culture, microscopic analysis for parasites and molecular diagnosis (PCR) enabling to test for all essential pathogens as recommended by FELASA without sacrificing animals. The Vivum immune competent panel requires sending of serum, swabs, faeces and tapes; thus no shipment of live animals is needed. Also read our document 'Vivum sampling kit' with general information about this product.

Are you interested in an other testing panel? Please contact QM Diagnostics (qmdiagnosics@qmdiagnosics.org) for assistance to design a made-to-measure screening panel adapted to the requirements of your company.

MOUSE VIVUM IMMUNE COMPETENT PANEL		SAMPLE	TECHNIQUE	3-MONTHLY	ANNUAL	EXTENSIVE <sup>1</sup>
AGENT						
VIRUSES	Minute virus of mice (MVM)	SERUM	MIA	●	●	
	Mouse hepatitis virus (MHV)			●	●	
	Mouse parvovirus (MPV)			●	●	
	Mouse rotavirus (EDIM)			●	●	
	Murine norovirus (MNV)			●	●	
	Theiler's encephalomyelitis virus (TMEV)			●	●	
	Adenovirus (F1, K87)				●	
	Ectromelia virus				●	
	Lymphocytic choriomeningitis virus (LCMV)				●	
	Pneumonia virus of mice (PVM)				●	
	Reovirus type 3 (Reo 3)				●	
	Sendai virus				●	
BACTERIA	<i>Clostridium piliforme</i>	SERUM	ELISA		●	
	<i>Mycoplasma pulmonis</i>		MIA		●	
	<i>Helicobacter</i> spp.	FAECES	PCR	●	●	
	<i>Helicobacter bilis</i>			●	●	
	<i>Helicobacter hepaticus</i>			●	●	
	<i>Helicobacter typhlonicus</i>		●	●		
	<i>Citrobacter rodentium</i>			●		
	<i>Corynebacterium kutscheri</i>			●		
	<i>Salmonella</i> spp.		●			
	<i>Pasteurella pneumotropica</i>		PCR	●	●	
	Streptococci β-haemolytic	SWAB	CULTURE	●	●	
	<i>Streptococcus pneumoniae</i>			●	●	
	<i>Streptobacillus moniliformis</i>				●	
<i>Klebsiella pneumoniae</i>					●	
<i>Klebsiella oxytoca</i>					●	
<i>Pseudomonas aeruginosa</i>					●	
<i>Staphylococcus aureus</i>			●	●		
Ectoparasites	TAPE	MICROSCOPY	●	●		
Endoparasites Pinworms ( <i>Syphacia obvelata</i> and <i>Aspicularis tetraptera</i> )	FAECES	PCR	●	●		
Endoparasites Protozoa ( <i>Giardia</i> spp., <i>Entamoeba</i> spp., <i>Spironucleus</i> spp., <i>Trichomonas</i> spp., <i>Chilomastix</i> spp., <i>Cryptosporidium</i> spp.)			●	●		

<sup>1</sup> The extensive panel consists of opportunistic microorganisms and can be combined with the other Vivum panels.