

Compleat Care
Competence

MIRIAD

Multiplex Immunoassay for Rodents
Infectious and Animal Diseases





In-house FELASA Serology Panel Kit

- Multiplex kits for annual or quarterly serology monitoring
- Simultaneous detection of IgG antibodies against various pathogens
- Compatible with mice and rats (from 2 μ l serum or plasma)
- Easy to implement (standard operator skills and laboratory equipment)
- 3 hours to result

Check out the
MIRIAD video



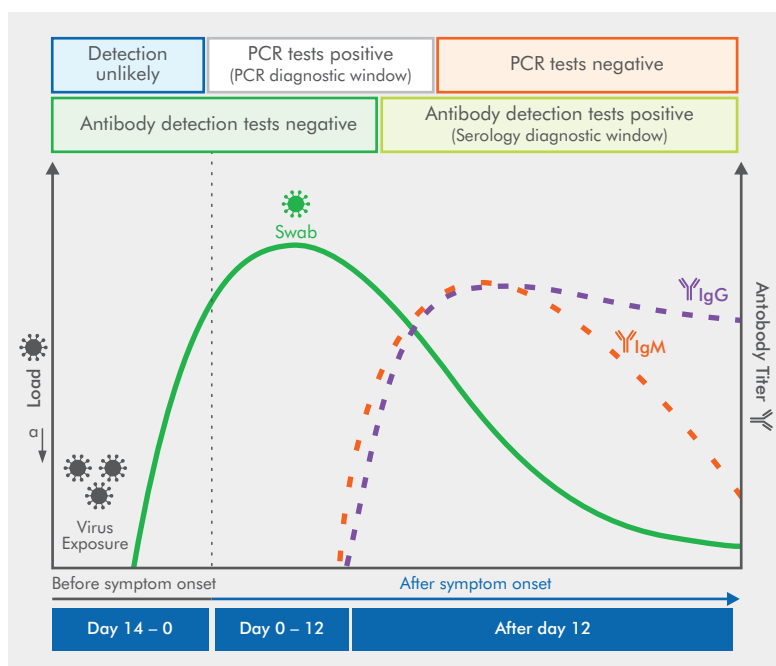
Annual kit

CTRL +	MNV	MHV	MPV	MVM	CTRL +
CTRL +	TMEV	EDIM	ECTV	LCMV	KV
mouse IgG	MCMV	POLY	FL	K87	REO
	SEV	HTNV	CARB	ECUN	
rat IgG	TD	MPUL	PVM		
CTRL +	KRV	SDA	RMV	THV	RPV

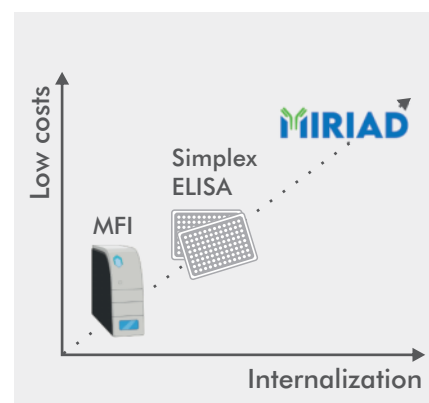
Quarterly kit

CTRL +	MNV	MHV	MPV	MVM	CTRL +
CTRL +	TMEV	EDIM			
mouse IgG					
rat IgG	TD	MPUL	PVM		
CTRL +	KRV	SDA	RMV	THV	RPV

CTRL +	Conjugate positive control		Specific mice targets
IgG	Mice and rat total IgGs		Specific rat targets
			Mice and rat common targets



Serology (indirect measure of past exposure) and PCR (current infection status) are complementary methods to fully cover the detection window and ensure optimal infection monitoring. Serology is relevant and affordable for all viruses and some bacteria.



Implementation is relevant starting from 5-10 samples/week for serology.

Groupment of animal facilities can reach this number and start to save costs.

User case 1:

Who ? In-house PCR & simplex ELISA serology 15 samples/2 weeks
→ 150 ELISA/2 weeks

Why ? Save costs, reduce logistic and stocks

How ? In-house PCR & MIRIAD
→ 15 MIRIAD tests/2 weeks

User case 2:

Who ? In-house PCR, microscopy 100 samples/week for outsourced serology

Why ? Too many simplex ELISA to internalize, decrease time to result, save costs

How ? In-house PCR, microscopy & MIRIAD
→ 1 MIRIAD kit (100 tests)/week

User case 3:

Who ? PCR and serology outsourced 30 samples/week for serology

Why ? Save costs, increase autonomy

How ? PCR outsourced & in-house MIRIAD
→ 30 MIRIAD tests/week

• User Benefits

Reduce

- costs
- operator time
- time to result
- stocks
- emissions (transport, plastic)
- blood volume (3R's)

Increase

- flexibility
- autonomy



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