



# Lab Animal Health Monitoring

## Animal Disease ELISA Kits

Early and reliable detection of infections in the colony is essential to a comprehensive laboratory animal health surveillance program.

- Assure the health of your animal colonies
- Monitor undesirable infectious agents
- Detect low levels of pathogen-specific antibodies

A large number of sensitive ELISA kits for monitoring common pathogens in laboratory animals based on FELASA recommendations is offered. Multiplexing of up to nine different antigens per well can be provided as custom service.

In addition, IFA slides and PCR controls are also available.

[www.biocat.com/animal\\_health](http://www.biocat.com/animal_health)

### Procedure

Load diluted sample and controls to microwells  
Cover wells and incubate at 37°C for 45 min

↓ Wash

Add 100 µl conjugate to wells  
Cover wells and incubate at 37°C for 45 min

↓ Wash

Add 100 µl substrate to wells  
Incubate uncovered wells at RT for 30 min

↓

Read absorbance at 405nm in microplate reader

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# Animal Disease ELISA Kits

## Ease of Use

- Standard 96-well ELISA format (strip plates)
- Ready-to-use ELISA reagents
- Easy-to-follow directions, no special training needed
- One protocol for all assays
- Compatible with automated plate processors
- Storage temperature 2-8°C
- Delivery time < 1 week

## Reliability

- Highly reproducible: CV < 5%
- Detects low levels of antibody in early infection
- Ensures good laboratory animal health
- Antigen selection based on FELASA\* recommendations

## Cost-Effectiveness

- Significant savings vs. outside testing service
- 2.5 hours turnaround time
- Minimum 12 months shelf life
- Unused strips can be removed and used later
- Components also available separately and in bulk

## Multiplexing

- Custom-made plates to fit your needs
- Up to nine different pathogens per well
- 5 µl sample per assay
- Significant reduction in labor and turnaround time

\*Federation of European Laboratory Animal Science Associations

## Viruses

	Mouse	Rat	Rabbit	Guinea Pig	Hamster
Adenovirus	+	+		+	
Cytomegalovirus	+			+	
Ectromelia virus	+				
Epizootic diarrhea of infant mice virus / Mouse rotavirus	+				
Hantavirus	+	+			
Hepatitis virus	+				
K virus	+				
Kilham rat virus		+			
Lactate dehydrogenase elevating virus	+				
Lymphocytic choriomeningitis virus	+	+		+	+
Minute virus	+	+			
Murine norovirus	+				
Parainfluenza virus		+		+	
Parvovirus	+	+			
Pneumonia virus	+	+	+	+	+
Polyoma virus	+				
Rabbit hemorrhagic disease virus			+		
Rabbitpox virus			+		
Rabbit rotavirus			+		
Reovirus type 1	+	+			
Reovirus type 3	+	+		+	+
Sendai virus	+	+	+	+	+
Sialodacryoadenitis virus / Rat corona virus		+			
Simian virus 5			+	+	+
Theiler's murine encephalomyelitis virus	+	+			
Toolan's H-1 virus		+			

## Bacteria

Bordetella hinzii	+				
Chlamydia psittaci				+	
Cilia-associated respiratory bacillus	+	+	+	+	
Clostridium piliforme	+	+	+	+	+
Helicobacter hepaticus	+	+			
Mycoplasma arthritis	+	+			
Mycoplasma pulmonis	+	+		+	+
Pasteurella haemolytica	+	+			
Pasteurella multocida	+	+			
Pasteurella pneumotropica	+	+			
Streptobacillus moniliformis	+	+			

## Fungi

Pneumocystis carinii		+			
Pneumocystis murina	+				

## Protozoa

Encephalitozoon cuniculi	+	+	+	+	+
Toxoplasma gondii			+		

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