

MOUSE

Our primary serology testing method is the Multiplexed Fluorometric ImmunoAssay® or MFIA®. Additionally, we utilize other methods such as the Indirect Fluorescent Antibody (IFA) test, Enzyme-Linked Immunosorbent Assay (ELISA), and Western Blot to confirm questionable or positive results, as well as to screen select rare agents. Blood or diluted serum samples collected at your facility can be submitted directly to our laboratory for testing. Once you are ready to submit samples, visit LTM™ to create your order online.

Mouse Serology Profiles

| Agent* | Parvovirus | Prevalent | Tracking | Assessment | Assessment Plus | FELASA Quarterly | FELASA Annual |
|--|------------|-----------|----------|------------|-----------------|------------------|---------------|
| MPV† | • | • | • | • | • | • | • |
| MVM | • | • | • | • | • | • | • |
| Generic parvovirus NS-1 | • | • | • | • | • | • | • |
| MHV† | | • | • | • | • | • | • |
| MNV | | • | • | • | • | • | • |
| TMEV (GDVII) | | • | • | • | • | • | • |
| EDIM (ROTA-A) | | • | • | • | • | • | • |
| SEND | | | • | • | • | | • |
| PVM | | | • | • | • | | • |
| REO | | | • | • | • | | • |
| MPUL | | | • | • | • | | • |
| LCMV | | | | • | • | | • |
| MAV-1 & MAV-2† | | | | • | • | | • |
| ECTRO | | | | • | • | | • |
| K | | | | • | • | | |
| POLY | | | | • | • | | |
| MCMV | | | | | • | | |
| HTNV (HANT) | | | | | • | | |
| ECUN | | | | | • | | |
| CARB | | | | | • | | |
| MTLV | | | | | • | | |
| PHV | | | | | • | | |
| LDV | | | | | • | | |
| CPIL | | | | | | | • |
| Sample suitability control: tissue | • | • | • | • | • | • | • |
| Sample suitability control: anti-mouse IgG | • | • | • | • | • | • | • |
| System suitability control: mouse IgG | • | • | • | • | • | • | • |

* Agent abbreviations are defined in the Glossary of Terms.

† Multiple assays are included. MPV: several recombinant viral coat proteins (VP2) to detect seroconversion to MPV-1, MPV-2, and MPV-5. MHV: a recombinant MHV nucleocapsid (N) protein and two highly purified whole-viral lysate antigens. MAV: highly purified recombinant antigens to both FL and K87.

The HemaTIP™ blood microsampler simplifies the blood collection process by placing the media on the tip of an easy-to-hold stylus. The tip only needs to touch the blood, and its super-absorptive matrix media wicks the sample in 3-6 seconds. To learn more, go to www.criver.com/hematip.



RESOURCES

GLOSSARY OF TERMS

| Agent | Abbreviation | Family/Order | Subfam/Genus | Host Species* |
|--|---------------|-------------------|------------------|-----------------|
| Adenovirus | MAV, RAD | Adenoviridae | Mastadenovirus | M, R |
| Aleutian disease virus | ADV | Parvoviridae | Amdovirus | F |
| Cilia-associated respiratory bacillus | CARB | Unclassified | Unclassified | M, R, Rb |
| Clostridium piliforme | CPIL | Clostridaceae | Clostridium | M, R, Rb, F |
| Distemper virus | CDV | Paramyxoviridae | Morbillivirus | F |
| Ectromelia virus (Mousepox) | ECTRO | Poxviridae | Orthopoxvirus | M |
| Eimeria | EIM | Eimeriidae | Eimeria | Rb |
| Encephalitozoon cuniculi | ECUN | Pleistrophoridae | Encephalitozoon | M, R, GP, H, Rb |
| Encephalomyocarditis virus | EMCV | Picornaviridae | Cardiovirus | M, R |
| Guinea pig adenovirus | GAV | Adenoviridae | Mastadenovirus | GP |
| Guinea pig cytomegalovirus | GpCMV | Herpesviridae | Betaherpesvirus | GP |
| Hantaan | HTNV (HANT) | Bunyaviridae | Hantavirus | M, R |
| Infectious pancreatic necrosis virus | IPNV | Birnaviridae | Aquabirnavirus | Z |
| Infectious spleen and kidney necrosis virus | ISKNV | Iridoviridae | Megalocytivirus | Z |
| Influenza A virus | INFA | Orthomyxoviridae | Influenzavirus A | F |
| Kilham rat virus | KRV | Parvoviridae | Parvovirus | R |
| Lactate dehydrogenase-elevating virus | LDV/LDH | Arteriviridae | Arterivirus | M |
| Ljungan virus | LV | Picornaviridae | Parechovirus | R |
| Lymphocytic choriomeningitis virus | LCMV | Arenaviridae | Arenavirus | M, R, GP, H |
| Minute virus of mice | MVM | Parvoviridae | Parvovirus | M |
| Mouse cytomegalovirus | MCMV | Herpesviridae | Betaherpesvirus | M |
| Mouse hepatitis virus | MHV | Coronaviridae | Coronavirus | M |
| Mouse parvovirus | MPV-1/-2/-5 | Parvoviridae | Parvovirus | M |
| Mouse pneumonitis virus | K | Polyomaviridae | Polyomavirus | M |
| Mouse thymic virus | MTLV | Herpesviridae | Unclassified | M |
| Murine norovirus | MNV | Caliciviridae | Norovirus | M |
| Murine rotavirus | EDIM/ROTA-A | Reoviridae | Rotavirus | M |
| Mycoplasma arthritidis | MARTH | Mycoplasmataceae | Mycoplasma | M, R |
| Mycoplasma pulmonis | MPUL | Mycoplasmataceae | Mycoplasma | M, R |
| Myxomatosis virus | MYXO | Poxviridae | Leporipoxvirus | Rb |
| Parainfluenza virus (type 1) | PIV-1 | Paramyxoviridae | Respirovirus | Rb |
| Parainfluenza virus (type 2) | PIV-2 | Paramyxoviridae | Rubulavirus | Rb |
| Parainfluenza virus (type 3) | PIV-3 | Paramyxoviridae | Respirovirus | GP |
| Parainfluenza virus (type 5) | PIV-5 | Paramyxoviridae | Rubulavirus | GP, H |
| Parvovirus NS-1 | NS-1 | Parvoviridae | Parvovirus | M, R |
| Pneumocystis carinii | PCAR | Pneumocystidaceae | Pneumocystis | R |
| Pneumonia virus of mice | PVM | Paramyxoviridae | Pneumovirus | M, R, GP, H |
| Polyoma virus | POLY | Polyomaviridae | Polyomavirus | M |
| Prospect Hill virus | PHV | Bunyaviridae | Hantavirus | M |
| Rabbit adenovirus | RbAV | Adenoviridae | Mastadenovirus | Rb |
| Rabbit hemorrhagic disease virus | RHDV | Caliciviridae | Lagovirus | Rb |
| Rabbit rotavirus | ROTA | Reoviridae | Rotavirus | Rb |
| Rat coronavirus/sialodacryoadentitis virus | RCV, SDAV | Coronaviridae | Coronavirus | R |
| Rat cytomegalovirus | RCMV | Herpesviridae | Betaherpesvirus | R |
| Rat minute virus | RMV | Parvoviridae | Parvovirus | R |
| Rat parvovirus | RPV | Parvoviridae | Parvovirus | R |
| Rat polyomavirus | RatPyV2/RPyV2 | Polyomaviridae | Unclassified | R |
| Rat rotavirus (infectious diarrhea of infant rats) | IDIR/ROTA-B | Reoviridae | Rotavirus | R |
| Rat theilovirus (Theiler's-like virus of rats) | RTV | Picornaviridae | Theilovirus | R |
| Reovirus | REO | Reoviridae | Orthoreovirus | M, R, GP, H |
| Rabbit picobirnavirus | RPBV | Picobirnaviridae | Picobirnavirus | Rb |
| Sendai virus | SEND | Paramyxoviridae | Respirovirus | M, R, GP, H |
| Seoul virus | SEO | Bunyaviridae | Hantavirus | M, R |
| Theiler's murine encephalomyelitis virus | TMEV (GDVII) | Picornaviridae | Cardiovirus | M, R |
| Toolan's H-1 virus | H-1 | Parvoviridae | Parvovirus | R |
| Toxoplasma gondii | TOXO | Sarcocystidae | Toxoplasma | Rb |
| Treponema paraluis-cuniculi | TREP | Spirochaetales | Treponema | Rb |

* Species: M = mouse, R = rat, GP = guinea pig, H = hamster, Rb = rabbit, F = ferret, Z = zebrafish

| Agent | Abbreviation | Family/Order | Subfam/Genus | Host Species |
|------------------------------------|--------------|------------------|-------------------|--------------|
| Epstein-Barr virus | EBV | Herpesviridae | Lymphocryptovirus | Simian |
| Hepatitis A | HEP-A | Picornaviridae | Hepatovirus | Simian |
| Herpes B virus | HBV | Herpesviridae | Alphaherpesvirus | Simian |
| Herpes virus papio-2 | HVP-2 | Herpesviridae | Alphaherpesvirus | Simian |
| Lymphocryptovirus | LCV | Herpesviridae | Lymphocryptovirus | Simian |
| Macaque (Rhesus) rhadinovirus | MRV | Herpesviridae | Rhadinovirus | Simian |
| Malaria (Plasmodium) | MAL | Plasmodiidae | Plasmodium | Simian |
| Measles virus | MV | Paramyxoviridae | Morbillivirus | Simian |
| Parainfluenza virus (type 5) | PIV-5 (SV-5) | Paramyxoviridae | Rubulavirus | Simian |
| Simian agent 8 | SA-8 | Herpesviridae | Simplexvirus | Simian |
| Simian cytomegalovirus | SCMV/CMV | Herpesviridae | Cytomegalovirus | Simian |
| Simian foamy virus | SFV | Retroviridae | Spumavirus | Simian |
| Simian immunodeficiency virus | SIV | Retroviridae | Lentivirus | Simian |
| Simian rotavirus | SA-11 | Reoviridae | Rotavirus | Simian |
| Simian T-lymphotropic virus | STLV | Retroviridae | Deltaretrovirus | Simian |
| Simian type D retrovirus | SRV | Retroviridae | Betaretrovirus | Simian |
| Simian varicella virus | SVV | Herpesviridae | Varicellovirus | Simian |
| Simian virus 40 | SV-40 | Polyomaviridae | Polyomavirus | Simian |
| Trypanosoma cruzi (Chagas Disease) | T. cruzi/CHA | Trypanosomatidae | Trypanosoma | Simian |