

Research Models

Our Animal Models

Charles River is committed to providing you with high-quality genetically standardized models such as VAF/Plus® and VAF/Elite® animals which are free of select infectious agents and parasites. We understand that selecting the appropriate animal model for your studies is critical to your research success. To assist you, we offer an evaluation program that allows you to assess the quality and compatibility of our animal models before making a purchase. For more information, please go to www.criver.com/rmeval.

VAF* Health Profiles

The table below lists the infectious agents specifically excluded from our VAF/Plus®, VAF/Elite®, and Immunodeficient VAF/Elite® animal colonies. For further information regarding viral profiles, microbiological flora, or the comprehensive list of agents included in the Charles River health surveillance program, please go to the Health Reports section of our website at www.criver.com/info/rm or contact us at 1.877.274.8371 or askcharlesriver@crl.com.

Health Profile	Species	Agents Excluded†
VAF/Plus®	Mouse	SEND, PVM, MHV, MVM, MPV, TMEV (GDVII), REO, EDIM, MAV, POLY, K, MCMV, MTLV, LCMV, HANT, ELECTRO, ECUN, CARB, LDV, MNV
		<i>M. pulmonis</i> , <i>Salmonella</i> spp., <i>S. moniliformis</i> , <i>C. kutscheri</i> , <i>H. hepaticus</i> , <i>C. rodentium</i>
	Rat	SEND, PVM, SDAV, KRV, H-1, RPV, RMV, REO, RTV, LCMV, HANT, MAV, ECUN, CARB
		<i>M. pulmonis</i> , <i>Salmonella</i> spp., <i>S. moniliformis</i> , <i>C. kutscheri</i> , <i>H. hepaticus</i>
	Guinea pig	SEND, PVM, LCMV, REO, GAV
		<i>M. pulmonis</i> , <i>Salmonella</i> spp., <i>S. moniliformis</i> , <i>S. zooepidemicus</i> , <i>B. bronchiseptica</i> , <i>H. hepaticus</i>
	Hamster	SEND, PVM, LCMV, REO, ECUN
		<i>Salmonella</i> spp., <i>H. hepaticus</i>
	Rabbit	ECUN, RHDV
		<i>P. multocida</i> , <i>Salmonella</i> spp., <i>Treponema</i> , Tyzzer's disease
VAF/Elite®	Mouse (immunocompetent)	These mice are free of all of the agents listed above in the VAF/Plus® mouse profile, plus Beta hemolytic <i>Streptococcus</i> spp., <i>K. oxytoca</i> , <i>K. pneumoniae</i> , <i>P. pneumotropica</i> , <i>P. aeruginosa</i> , <i>P. mirabilis</i> , <i>S. aureus</i> .
	Mouse (immunodeficient)	These mice are free of all of the agents listed above in the VAF/Plus® mouse profile, plus Beta hemolytic <i>Streptococcus</i> spp., <i>K. oxytoca</i> , <i>K. pneumoniae</i> , <i>P. pneumotropica</i> , <i>Pneumocystis</i> spp., <i>P. aeruginosa</i> , <i>P. mirabilis</i> , <i>S. aureus</i> , <i>C. bovis</i> .
	Rat (immunodeficient)	These rats are free of all of the agents listed above in the VAF/Plus® rat profile, plus <i>S. aureus</i> , <i>S. pneumoniae</i> , Beta hemolytic <i>Streptococcus</i> spp., <i>Klebsiella</i> spp., <i>K. oxytoca</i> , <i>K. pneumoniae</i> , <i>P. pneumotropica</i> , <i>Pneumocystis</i> spp., <i>P. aeruginosa</i> , <i>P. mirabilis</i> , <i>C. bovis</i> .

* Virus Antibody Free (VAF)

† All helminths, ectoparasites, and pathogenic GI protozoa are excluded as part of our VAF/Plus® and VAF/Elite® profiles. See Glossary of Terms for abbreviation key for agents.

The VAF/Elite® health profile is currently offered for the following stocks and strains of mice: 129-Elite, BALB/c-Elite, C57BL/6-Elite, CD1-Elite, SJL-Elite, and SKH1-Elite.

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