

AGENTS	MURINE PATHOGEN FREE™ (MPF™)	RESTRICTED FLORA™ (RF™)	EXCLUDED FLORA (EF)	DEFINED FLORA (DF)	GERMFREE (GF)
MICROORGANISMS	ACCEPTED?	ACCEPTED?	ACCEPTED?	ACCEPTED?	ACCEPTED?
COMMENSAL MICROFLORA					
Altered Schaedler Flora	Yes	Yes	Yes	Yes	No
Dimorphic Yeast	Yes	Yes	Yes	Yes	No
Mold	Yes	Yes	Yes	Yes	No
Aerobic spore forming bacteria	Yes	Yes	Yes	Yes	No
Anaerobic spore forming bacteria	Yes	Yes	Yes	Yes	No
Non-spore forming rod bacteria	Yes	Yes	Yes	No	No
Cocci bacteria	Yes	Yes	Yes	No	No
VIRUSES					
Kilham Rat Virus (KRV)	No	No	No	No	No
Minute Virus of Mice (MVM)	No	No	No	No	No
Mouse Encephalomyelitis Virus (GDVII)/Rat Theilovirus (RTV)	No	No	No	No	No
Mouse Hepatitis Virus (MHV)	No	No	No	No	No
Murine Norovirus (MNV)	No	No	No	No	No
Mouse Parvovirus (MPV)	No	No	No	No	No
Mouse Rotavirus (EDIM)	No	No	No	No	No
Pneumonia Virus of Mice (PVM)	No	No	No	No	No
Rat Coronavirus (RCV)/Sialodacryoadenitis Virus (SDAV)	No	No	No	No	No
Rat Minute Virus (RMV)	No	No	No	No	No
Rat Parvovirus (RPV)	No	No	No	No	No
Toolan's HI Virus (THI)	No	No	No	No	No
Ectromelia Virus	No	No	No	No	No
Hantaan Virus	No	No	No	No	No
K Virus	No	No	No	No	No
Lymphocytic Choriomeningitis Virus (LCM)	No	No	No	No	No
Mouse Adenovirus I and II (FL and K87)	No	No	No	No	No
Mouse Cytomegalovirus (MCMV)	No	No	No	No	No
Polyoma Virus	No	No	No	No	No
Reovirus (Reo 3)	No	No	No	No	No
Sendai Virus	No	No	No	No	No
Thymic Virus	No	No	No	No	No
Lactate Dehydrogenase Elevating Virus (LDHV)	No	No	No	No	No
BACTERIA, MYCOPLASMA, FUNGI					
Beta hemolytic Streptococcus (non Group D)	Yes	No	No	No	No
Bordetella bronchiseptica	No	No	No	No	No
Cilia Associated Respiratory Bacillus (CARB)	No	No	No	No	No
Citrobacter rodentium	No	No	No	No	No
Clostridium piliforme	No	No	No	No	No
Corynebacterium bovis*	N/A	No	No	No	No
Corynebacterium kutscheri	No	No	No	No	No
Helicobacter spp.	No	No	No	No	No
Klebsiella oxytoca	Yes	No	No	No	No
Klebsiella pneumoniae	Yes	No	No	No	No
Mycoplasma pulmonis	No	No	No	No	No
Pasteurella multocida	Yes	Yes	Yes	No	No
Pasteurella pneumotropica	No	No	No	No	No
Pneumocystis spp.	No	No	No	No	No
Proteus spp.	Yes	Yes	No	No	No
Pseudomonas aeruginosa	Yes	No	No	No	No
Salmonella spp.	No	No	No	No	No
Staphylococcus aureus	Yes	No	No	No	No
Streptococcus pneumoniae	No	No	No	No	No
Segmented Filamentous Bacteria (SFB)	Yes	Yes	No	No	No
Streptobacillus moniliformis	No	No	No	No	No
PARASITES					
Aspiculuris tetraptera	No	No	No	No	No
Eimeria spp.	No	No	No	No	No
Encephalitozoon cuniculi	No	No	No	No	No
Entamoeba muris	No	No	No	No	No
Giardia muris	No	No	No	No	No
Hymenolepis spp.	No	No	No	No	No
Myobia musculi	No	No	No	No	No
Myocoptes musculinus	No	No	No	No	No
Ornithonyssus bacoti	No	No	No	No	No
Polyplax spinulosa	No	No	No	No	No
Psorergates simplex	No	No	No	No	No
Radfordia affinis	No	No	No	No	No
Rodentolepis spp.	No	No	No	No	No
Spiroplasma muris	No	No	No	No	No
Syphacia spp.	No	No	No	No	No
Trichomonads	No	No	No	No	No

* Testing only performed in GF, DF, EF and RF colonies.

IHMS Testing Program



For all barrier housing units Quarterly, Semiannual and Annual panels test a minimum of 10 animals.

AGENTS	SPECIES	TEST METHOD	FREQUENCY*			
			MPF™	RF™	EF	DF/GF
VIRUSES						
Kilham Rat Virus (KRV)	R	MFI	Monthly	Monthly	Monthly	Quarterly
Minute Virus of Mice (MVM)	M	MFI	Monthly	Monthly	Monthly	Quarterly
Mouse Encephalomyelitis Virus (GDVII)/ Rat Theilovirus (RTV)	M,R	MFI	Monthly	Monthly	Monthly	Quarterly
Mouse Hepatitis Virus (MHV)	M	MFI	Monthly	Monthly	Monthly	Quarterly
Murine Norovirus (MNV)	M	MFI	Monthly	Monthly	Monthly	Quarterly
Mouse Parvovirus (MPV)	M	MFI	Monthly	Monthly	Monthly	Quarterly
Mouse Rotavirus (EDIM)	M	MFI	Monthly	Monthly	Monthly	Quarterly
Pneumonia Virus (PVM)	M,R	MFI	Monthly	Monthly	Monthly	Quarterly
Rat Coronavirus (RCV)/Sialodacryoadenitis Virus (SDAV)	R	MFI	Monthly	Monthly	Monthly	Quarterly
Rat Minute Virus (RMV)	R	MFI	Monthly	Monthly	Monthly	Quarterly
Rat Parvovirus (RPV)	R	MFI	Monthly	Monthly	Monthly	Quarterly
Toolan's HI Virus (THI)	R	MFI	Monthly	Monthly	Monthly	Quarterly
Ectromelia Virus	M	MFI	Quarterly	Quarterly	Quarterly	Quarterly
Hantaan Virus	M,R	MFI	Quarterly	Quarterly	Quarterly	Quarterly
K Virus	M	MFI	Quarterly	Quarterly	Quarterly	Quarterly
Lymphocytic Choriomeningitis Virus (LCMV)	M	MFI	Quarterly	Quarterly	Quarterly	Quarterly
Mouse Adenovirus I and II (FL and K87)	M	MFI	Quarterly	Quarterly	Quarterly	Quarterly
Mouse Cytomegalovirus (MCMV)	M	MFI	Quarterly	Quarterly	Quarterly	Quarterly
Polyoma Virus	M	MFI	Quarterly	Quarterly	Quarterly	Quarterly
Reovirus (Reo 3)	M,R	MFI	Quarterly	Quarterly	Quarterly	Quarterly
Sendai Virus	M,R	MFI	Quarterly	Quarterly	Quarterly	Quarterly
Thymic Virus	M	IFA	Semiannually	Semiannually	Semiannually	Semiannually
Lactate Dehydrogenase Elevating Virus (LDHV)	M	MFI	Annually	Annually	Annually	Annually
BACTERIA, MYCOPLASMA, FUNGI						
Beta hemolytic Streptococcus (non Group D)	M,R	Culture	Quarterly	Quarterly	Quarterly	Culture
Bordetella bronchiseptica	M,R	Culture	Quarterly	Quarterly	Quarterly	Culture
Cilia Associated Respiratory Bacillus (CARB)	M,R	MFI	Quarterly	Quarterly	Quarterly	MFI
Citrobacter rodentium	M	Culture	Quarterly	Quarterly	Quarterly	Culture
Clostridium piliforme	M,R	MFI	Quarterly	Quarterly	Quarterly	MFI
Corynebacterium bovis ¹	M,R	Culture	Quarterly	Quarterly	Quarterly	Culture
Corynebacterium kutscheri	M,R	Culture	Quarterly	Quarterly	Quarterly	Culture
Helicobacter spp.	M,R	PCR	Quarterly	Quarterly	Quarterly	PCR
Klebsiella oxytoca	M,R	Culture	Quarterly	Quarterly	Quarterly	Culture
Klebsiella pneumoniae	M,R	Culture	Quarterly	Quarterly	Quarterly	Culture
Mycoplasma pulmonis	M,R	MFI	Quarterly	Quarterly	Quarterly	MFI
Pasteurella multocida	M,R	Culture	Quarterly	Quarterly	Quarterly	Culture
Pasteurella pneumotropica	M,R	Culture	Quarterly	Quarterly	Quarterly	Culture
Pneumocystis spp.	M,R	PCR	Quarterly	Quarterly	Quarterly	PCR
Proteus spp.	M,R	Culture	Quarterly	Quarterly	Monthly	Culture
Pseudomonas aeruginosa	M,R	Culture	Quarterly	Quarterly	Quarterly	Culture
Salmonella spp.	M,R	Culture	Quarterly	Quarterly	Quarterly	Culture
Staphylococcus aureus	M,R	Culture	Quarterly	Quarterly	Quarterly	Culture
Streptococcus pneumoniae	M,R	Culture	Quarterly	Quarterly	Quarterly	Culture
Segmented Filamentous Bacteria (SFB)	M,R	PCR	Annually	Annually	Quarterly	PCR
Streptobacillus moniliformis	M,R	PCR	Annually	Annually	Annually	PCR
PARASITES						
Aspicularis tetraptera	M,R	Microscopy	Quarterly	Quarterly	Quarterly	Quarterly
Eimeria spp.	M,R	Microscopy	Quarterly	Quarterly	Quarterly	Quarterly
Encephalitozoon cuniculi	M,R	MFI	Quarterly	Quarterly	Quarterly	Quarterly
Entamoeba muris	M,R	Microscopy	Quarterly	Quarterly	Quarterly	Quarterly
Giardia muris	M,R	Microscopy	Quarterly	Quarterly	Quarterly	Quarterly
Hymenolepis spp.	M,R	Microscopy	Quarterly	Quarterly	Quarterly	Quarterly
Myobia musculi	M,R	Microscopy	Quarterly	Quarterly	Quarterly	Quarterly
Myocoptes musculinus	M,R	Microscopy	Quarterly	Quarterly	Quarterly	Quarterly
Ornithonyssus bacoti	M,R	Microscopy	Quarterly	Quarterly	Quarterly	Quarterly
Polyplax spinulosa	M,R	Microscopy	Quarterly	Quarterly	Quarterly	Quarterly
Psorergates simplex	M,R	Microscopy	Quarterly	Quarterly	Quarterly	Quarterly
Radfordia affinis	M,R	Microscopy	Quarterly	Quarterly	Quarterly	Quarterly
Rodentolepis spp.	M,R	Microscopy	Quarterly	Quarterly	Quarterly	Quarterly
Spironucleus muris	M,R	Microscopy	Quarterly	Quarterly	Quarterly	Quarterly
Syphacia spp.	M,R	Microscopy/PCR	Quarterly	Quarterly	Quarterly	Quarterly
Trichomonads	M,R	Microscopy	Quarterly	Quarterly	Quarterly	Quarterly

¹ C. bovis testing occurs only in GF, DF, EF and RF colonies.
 * A limited number of locations may have modified testing schedules. Check health reports actual schedule.