

Pathogens Details (Panel of Pathogens Monitored in NCBS Mice Facility)	Type of Organism	Mice SPF-1 (JULY 2021)	Mice SPF-1 (JUNE 2020)	Mice SPF-1 (QUARANTINE #11B & MGEF #9A) JAN 2020	Mice SPF-1 (NOV 2019)	Mice SPF-1 (QUARANTINE ROOM NO. 11B) (JULY 2019)	Mice SPF-1 (MGEF & AG Lab in R99A) (JULY 2019)	Mice SPF-1 (MGEF & AV Lab in R99A) (MAY 2019)	Mice SPF-1 (MAR 2019)	Mice SPF-1 (OCT 2018)	Mice SPF-1 (JULY 2018)	Mice SPF-1 (MAR 2018)	Mice SPF-1 (NOV 2017)	Mice SPF-1 (FEB 2017)	Mice SPF-1 (SEPT 2016)	Mice SPF-1 (MAR 2016)	Mice SPF-1 (JAN 2016)	Mice SPF-2 (FEB 2021)	Mice SPF-2 (JULY 2019)	Mice SPF-2 (JULY 2018)	Mice SPF-2 (AUG 2017)	Mice SPF-2 (APR 2016)	Mice SPF-2 (JAN 2016)	Virulence	Affected Organs/System/Research	Possible Treatment/SOP in Confirmed Infection	Transmission Mode	
		Advantage Global	Advantage Global	Charles River Research Animal Diagnostic Services (CR RADS)	Charles River Research Animal Diagnostic Services (CR RADS)	(Quarantine Room No. 11B) Advantage Global	(MGEF & AG Lab in R99A) Advantage Global	(MGEF & AV Lab in R99A) Advantage Global	Advantage Global	Advantage Global	Advantage Global	Advantage Global	Advantage Global	Advantage Global	Advantage Global	Advantage Global	Advantage Global	Advantage Global	Advantage Global	Advantage Global	Advantage Global	Advantage Global	Advantage Global					Advantage Global
Mouse Hepatitis Virus (MHV)	Virus	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	High	Lymphoid organs, liver, spleen, and bone marrow, intestinal wall.		Aerosol, Fomites and direct contact. Cell cultures and transplantable tumors	
Minute Virus of Mice (MVM)	Virus	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	High	Hematopoietic cells	Depopulation, thorough cleaning, and restocking	Oronasal secretions, urine, feces.	
Mouse Parvo Virus (MPV)	Virus	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	High	Cell multiplication, Immune derangement, Oncotrophic/lytic effect		Contact with body secretions, urine, feces	
Murine Norovirus (MNV)	Virus	E	E	E	E	E	E	E	E	E	E	E	E	E	E#	E#	E#	E	P(2A,2B,3A, 6A, 6B, 7B)	P(2A,2B,3A, 3B, 6A,6B, 7B)	P	P	P	High	Respiratory system, Hepatic system and Immune system		Fecal-oral route	
Theiler's Murine Encephalomyelitis Virus (TMEV)	Virus	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	High	Nervous system, Immune system, Musculoskeletal system		Fecal-oral route	
Murine Rota Virus (MRV) Epizootic Diarrhea of Infant Mice (EDIM)	Virus	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	High	Intestinal wall	Rederivation/ET	Fecal-oral route	
Sendai Virus (SV)	Virus	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	High	Respiratory and reproductive system		Aerosol, Fecal-oral	
Pneumonia Virus of Mice (PVM)	Virus	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	Moderate	Respiratory system		Aerosol, direct contact	
Reovirus (REO)	Virus	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	Moderate	Respiratory system		Fecal-oral, fomites and direct contact	
Lymphocytic Choriomeningitis Virus (LCMV)	Virus*	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	High	Alters immune function, interferes with grafts or transplantable tumors	Depopulation, thorough cleaning, and restocking	Contact with saliva, urine,nasal secretions and vertical(in-utero)	
Ectromelia Virus (ECTRO)	Virus	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	Moderate	Immune system/altered phagocytic response		Direct contact, fomites	
Mouse Adenovirus Type 1 (MAV-1)	Virus	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	Moderate	Increases susceptibility to E. coli induced pyelonephritis	Rederivation/ET	Direct contact with saliva, urine,nasal secretions	
Mouse Adenovirus Type 2 (MAV-2)	Virus	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	Moderate	Increases susceptibility to E. coli induced pyelonephritis		Respiratory, fecal	
Polyoma Virus (Py V) / Murine Pneumotropic Virus(K Virus)	Virus	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	N	E	E	E	E	E	N	Low	Tumor incidence and reduced lifespan		Respiratory, fecal	
Murine Cytomegalovirus (MCMV)	Virus	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	N	E	E	E	E	E	N	Low	Immune system, reproductive system and hematopoietic system		Body secretions, vertical transfer	
Hantaan Virus (HV)	Virus*	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	N	E	E	E	E	E	N	High	Kidneys and vascular/respiratory (zoonotic).	Depopulation, thorough cleaning, and restocking	Direct contact with saliva, urine,feces	
Lactate Dehydrogenase Elevating Virus (LDEV)	Virus	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	N	E	E	E	E	E	N	Moderate	Alters Immune activity, effects CNS and renal system		Bite wound, sexual contact, cell lines, tumors, transplacental, milk.	
Mouse Thymic Virus (MTV)	Virus	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	Low	Long-term immunosuppression, development of autoimmunity	Rederivation/ET	Direct contact with saliva/milk	
Mouse Kidney Parvovirus (MKPV)	Virus	E	E	N	N	E	E	N	N	N	N	N	N	N	N	N	N	E	E	N	N	N	N					
Ceilia Associated Respiratory Bacillus (CARB)	Bacteria	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	N	E	E	E	E	E	N	Low	Respiratory system	Test & Cull program, Rederivation/antibiotics	Direct contact	
Clostridium piliforme (Tyzzer's disease)	Bacteria*	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	N	E	E	E	E	E	N	Low	Necrotizing hepatitis and enteritis	Rederivation by Hysterectomy & fostering or ET	Ingestion of spores	
Bordetella bronchiseptica / Bordetella hinzii	Bacteria	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	N	E	E	E	E	E	N	Low	URT and trachea	Exclusions of carriers, Rederivation/ET	Aerosol, Direct contact, contact with nasal secretions	
Campylobacter spp.	Bacteria	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	N	E	E	E	E	E	N					
Streptobacillus moniliformis	Bacteria	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	N	E	E	E	E	E	N	Low	Respiratory system	Exclusions of carriers, Rederivation/ET	Saliva, ocular and nasal secretions	
Helicobacter spp.	Bacteria*	E	E	E	E	E	E	E	E	E	E	E	E	E	E#	E#	E#	E	P(2A,2B,3A,3B, 4,6A,6B,7B)	P(2A,2B,3A,3B, 4,6A,6B,7B)	P	P	P	Highly	Mainly affects genetic and therapeutic research of digestive system	Fostering pups on clean females/Rederivation/ET	Fecal-oral route, through dust & fomites	
Pasteurella pneumotropica	Bacteria	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	P(2A,2B,3B,6A, 6B,7B)	P(2A, 2B, 4, 6A)	P(2A,2B,6A,6B, 7B)	E-- after treatment	P	Low	No apparent implications	Exclusions of carriers, Rederivation	Direct contact with animals or their secretions	
Pasteurella multocida	Bacteria	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	N	E	E	E	E	E	N	Moderate	Affects wide variety of systems including immune and respiratory system	Exclusions of carriers, Rederivation/ET	Direct contact, aerosol and fomites	
Klebsiella pneumoniae	Bacteria	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	N	E	E	E	E	E	N	Low	No apparent implications but interferes in Gram-negative sepsis model	Rederivation/ET	Feco-oral route and direct contact or exposure to soil	
Klebsiella oxytoca	Bacteria	P(10A)	P(12 & 10A)	E	E	E	E	E	P(12)	P11B(Q)	E	E--	E--	E--	E--	E--	N	E	P(7A)	E	E	E--	P(2A-3)	N	Low	No apparent implications but interferes in Gram-negative sepsis model	Rederivation/ET	Feco-oral route and direct contact or exposure to soil
Pseudomonas aeruginosa	Bacteria	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	Low		Rederivation/ET	Exposure to water, through wounds	
Proteus mirabilis	Bacteria	P(9A)	P(14, 10A, 10B & 9A)	P(9A)	P(9A)	P(11B)	P(9A)	P(9A)	P(14 & 9A)	P(9A)	E--	E--	E--	E--	E--	E--	N	E	P(7A)	E	E--	E--	E--	N	Low	No known interference in carrier state (clinically ill animals not fit for research)	Rederivation/ET	Feco-oral route and environmental spread
Beta-haemolytic Streptococci	Bacteria	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	Low		Rederivation/ET	Direct contact with nasopharyngeal secretions (infected animals/humans)	
Streptococcus pneumoniae	Bacteria*	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	Low		Rederivation/ET	Aerosol or contact with nasolacrimal secretion	
Staphylococcus aureus	Bacteria*	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	Low	Doesn't affect animal's suitability for research	Rederivation/ET	Aerosol or direct contact with fomites, infected animals/people	
Citrobacter rodentium	Bacteria	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	Low	Growth, mice used in human models of E. coli infection	Rederivation/ET	Fecal-oral route	
Corynebacterium kutscheri	Bacteria	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	Low	No ill effects	Depopulation and restocking or treatment of infected animals with antibiotics for Rederivation	Fecal-oral route	
Mycoplasma pulmonis(MPUL)	Bacteria	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	High	Alters Immune response (decreases DTH response, changes in WBC count), Respiratory system, Gastrointestinal and Hepatobiliary system.	Depopulation and restocking or Rederivation/ET	Direct contact, aerosol and transplacental	
Salmonella spp.	Bacteria*	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	Moderate	Historical implications, affects Immune system, Gastrointestinal and Hepatobiliary system.	Depopulation and restocking	Fecal-oral route, fomites and vertically	
Encephalitozoon cuniculi	Bacteria	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	N	E	E	E	E	E	N	Moderate	Interferes with Toxicological studies, Growth, Immune system, Renal and Neurological afflictions.	Test and cull program, Embryo Transfer.	Ingestion of infective spores in urine, inhalation and vertical transmission	
Pneumocystis spp.	Fungi	N	N	E	E	E	E	E	E	N	N	N	N	N	N	N	N	N	N	N	N	N	N	High	Chronic pneumonia. Inhalation and Anaesthetic studies.	Rederivation/ET/prevention of contact with infected animals	Direct contact, aerosol and fomites	
Trichomonas muris	Protozoa	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	P(2A, 2B, 3B, 6A, 6B, 7B)	P(2A, 2B,6A, 6B)	P	P	P(2A, 2B, 3B, 4, 6)	P	Low		Rederivation/ET	Fecal-oral route
Entamoeba muris.	Protozoa	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	Low	Gastrointestinal physiology research	Rederivation/ET	Fecal-oral route	
Spirochaeta muris	Protozoa	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	P(2A, 3B)	P(6A) (2A, 2B,)	P(6A, 4) P(6A, 2A)	P(6A, 4) P(6A, 2A)	P(2A; 2B; 3A-2) P(2A; 3A-2; 4-4)	P				
Giardia muris	Protozoa	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	Low	Affects immune and gastrointestinal system	Rederivation/ET/prevention of contact with infected animals	Fecal-oral transmission via ingestion of sporulated oocysts	
Cryptosporidium spp.	Protozoa	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	N	Low		Rederivation/ET/prevention of contact with infected animals	Fecal-oral transmission via ingestion of sporulated oocysts	
Mycoptes/Radfordia/Myobia species	Parasite (Mites)	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	High	Altered IgE response, Haemoglobin and albumin in blood	Rederivation mostly/ treatment with ectoparasiticidal	Direct contact with animals or its bedding	
Rodentolipis nana	Endoparasite (Tapeworm)	E	E	N	N	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	N	Low	Affects intestinal system	Rederivation/ET/prevention of contact with infected animals	Fecal-oral route	
Syphacia muris, Syphacia obvelata, Aspicularis tetraptera	Endoparasite (Pinworms)	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	Moderate	Increases allergic response and incidence of Autoimmune diseases	Rederivation and thorough environmental decontamination	Fecal-oral route, fomites	

E = excluded, E-- has been very sporadically and inconstantly detected at low levels in some colony animals but not necessarily in the corresponding sentinels.
P = prevalent, N = NON-monitored, # = present in O.L.D room 13 prior Dec 2016, * = Zoonotic

ET = Embryo Transfer