Health Monitoring Report

MARSHALL BIORESOURCES

Name and address of the breeder : Marshall Farms Group, Ltd., North Rose NY

Date of issue: May 2017 **Unit:** Influenza –Free **Collection date:** Apr 2017

Species: *Mustela putorius furo* **Breed:** Ferret **Populated:** November 2015

	CUMULATIVE RESULTS	CURRENT TEST RESULTS	HISTORICAL RESULTS*	LAB	METHOD
VIRAL INFECTIONS					
Aleutians	0/66	NE	0/36	Blue Cross[1]	PCR (blood)
Canine Distemper Virus	Vaccinated†	Vaccinated†	NA		
Ferret Coronavirus (Enteric)	36/36	NE	36/36	N/A	PCR
Rabies Virus	Vaccinated†	Vaccinated†	NA		
Rotavirus A	0/66	NE	0/36	MSU[2]	PCR (fecal)
Human Influenza (Current Circulating Strains)					
A/California/2009 (H1N1) pdm09	0/670	0/95	NA	SRI[3]	HAI (blood)
B/Phuket/3073/2013	0/670	0/95	NA	SRI	HAI (blood)
A/Hong Kong/4801/2014	0/287	0/95	NA	SRI	HAI (blood)
B/Brisbane/60/2008	0/191	0/95	NA	SRI	HAI (blood)
A/Switzerland/9715293/2013 (H3N2) (Screened Dec 2015-July 2016)	0/383	NE	NA	SRI	HAI (blood)
BACTERIAL, MYCOPLASMA AND FUNGAL INFECTIONS					
Bordetella bronchiseptica	0/155	NE	0/125	Cornell[4]	Culture (nasal/pharyngeal swab)
Campylobacter species	0/191	NE	0/161	Cornell	Culture (rectal swab)
Helicobacter species	0/191	NE	0/161	CRL[5]	PCR (blood)
Lawsonia intracellularis	0/191	NE	0/161	CRL	PCR (blood)
Pasteurella multocida	0/155	NE	0/125	Cornell	Culture (pharyngeal swab)
Salmonella species	0/191	NE	0/161	Cornell	Culture (rectal swab)
Staphylococcus aureus	26/155	NE	26/125	Cornell	Culture (rectal swab)
Yersinia enterocolitica	0/155	NE	0/125	Cornell	Culture (rectal swab)
PARASITOLOGICAL INFECTIONS					
Coccidia	0/1471	NE	0/1411	In house[6]	Sodium nitrate (fecal)
Dirofilaria immitis	0/30	NE	NA	In house	Snap 4Dx (blood)
Otodectes cynotis	0/805	NE	0/785	In house	Microscopy
Protozoan Parasites:			0/1411		
Cryptosporidium parvum	0/30	NE	NA	Cornell	PCR (fecal)
Giardia	0/60	NE	NA	In house	Zinc sulfate (fecal)

*Historical Results are those reported before the colony was established at our facilities in New York.

NA=Not applicable
NE=Not examined

Abbreviations for methods:
EIA: Enzyme Immunoassay; HAI: Hemagglutination Inhibition; PCR: Polymerase Chain Reaction

LABs:
[1]Blue Cross Animal Hospital, Burley Idaho
[2]Diagnostic Center for Population and Animal Health, Michigan State University
[3]Southern Research Institute
[4]NYS Animal Health Diagnostic Laboratory, College of Veterinary Medicine, Cornell University
[5]Charles River Laboratories
[6]Marshall Farms

†Vaccinations:
The vaccination program is administered in accordance with current veterinary practice procedures and is documented accordingly. Product designation, lot number/expiration date, age/frequency of administration and dosage, as applicable, are noted. A description of the current immunization regimen is included in the Routine Vaccination and Treatment Procedures document.

Distemper: Monovalent modified live distemper virus vaccine.
Rabies: Killed rabies virus vaccine.

Bambi H Jasmin 05/05/2017

Bambi Jasmin, DVM, DACLAM Date