

EMMA health monitoring procedures

Brief description of housing system, health monitoring programme and health status of the EMMA SPF live colonies

Type of facility

Animals distributed by EMMA are bred in SPF (Specific Pathogen Free) barriered facilities in which all materials are sterilized before entry. Staff entering the barriered areas must shower and change into clean unit clothing. Where appropriate, staff working within the units is also required to wear, gloves, face masks, mob caps and over shoes.

Housing system

Animals are maintained in either flexible film isolators or IVCs (Individually Ventilated Cages) or in conventional cages in barriered areas under positive pressure and are given autoclaved bedding, autoclaved or irradiated food and filtered or chlorinated water. Animals reared in IVCs are cage changed under laminar flow hoods.

Sentinel programme

The health status of each animal room is monitored on a regular basis e.g. 4 times per year when mice are reared in IVCs or monthly when mice are bred in conventional cages in barriered areas. These screening programmes involve exposing sentinel animals to dirty bedding collected from other IVCs within the mouse room. Some colonies e.g. those reared in isolators are sampled directly.

Health report

Before receiving any mice from EMMA you will be sent a recent (< 3 months old) health report prepared in accordance with the FELASA (Federation of European Laboratory Animal Science) recommendations. This health report will give details of the agents tested, the number of animals tested and the analytical methods used.

The following pages provide a sample health report from the EMMA node that distributes the strain you are interested in. Note that this is a **sample** health report and **not a current report**. Current reports will be provided upon request. Additional specific health checks (beyond tests recommended by FELASA) are possible if required by customers for importation but will be charged to the customer. If you require any further information please contact the archiving/distribution centre handling your request.

FINAL REPORT OF LABORATORY EXAMINATION

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IDEXX BioAnalytics Case # 64772-2020

Received: 5/15/2020

Completed: 5/25/2020

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Specimen Description

Species: mouse
 Description: Environmental; Feces; Opti-Spot; Opti-
 Spot strip(s)
 Number of Specimens/Animals: 5
 Building/Facility: KMW
 Area: B barrier

Client ID	Add ID	Room #	Species	Specimen
B1 219-A	Interceptor	219	mouse	filter
KMW Room 219 Rack 2	Feces	219	mouse	feces
KMW Rroom 219 Rack 3	Feces	219	mouse	feces
KMW: 219:2	Optispot	219	mouse	Opti-Spot
KMW: 219:3	Optispot	219	mouse	Opti-Spot

Services/Tests Performed: KI Mouse Small - MFI (4-5); KI Mouse B Barrier Feces - PCR (2-3); KI Mouse Filter Small - PCR (1)

Serologic evaluation for antibodies to: EDIM, MHV, MNV, MPV, MVM, TMEV

PCR evaluation for: *Aspicularis tetraptera*, *Bordetella bronchiseptica*, *Chilomastix* spp., *Cryptosporidium* spp., *Eimeria* spp., *Entamoeba muris*, *Giardia muris*, *Helicobacter bilis*, *Helicobacter ganmani*, *Helicobacter hepaticus*, *Helicobacter mastomyrinus*, *Helicobacter rodentium*, *Helicobacter* spp., *Helicobacter typhlonius*, *Klebsiella oxytoca*, *Klebsiella pneumoniae*, *Myocoptes*, *Pasteurella pneumotropica* biotype Heyl, *Pasteurella pneumotropica* biotype Jawetz, *Proteus mirabilis*, *Pseudomonas aeruginosa*, *Radfordia/Myobia*, *Spironucleus muris*, *Staphylococcus aureus*, *Streptococcus pneumoniae*, *Streptococcus* sp. beta hemolytic Group A, *Streptococcus* sp. beta hemolytic Group B, *Streptococcus* sp. beta hemolytic Group C, *Streptococcus* sp. beta hemolytic Group G, *Syphacia muris*,

Syphacia obvelata, *Tritrichomonas muris*

General Comments: , Environmental - Interceptor filter

Summary: All test results were negative.

SEROLOGY SUMMARY

	KMW: 219:2	KMW: 219:3
EDIM	-	-
MHV	-	-
MNV	-	-
MPV	-	-
MVM	-	-
TMEV	-	-
Mouse IgG	N	N

Legend: + = positive - = negative blank = test not performed EQ = equivocal HE = hemolysis precluded testing I = insufficient W = weak positive WB = Western Blot confirmatory analysis pending NS = non-specific reactivity N = normal IgG L = less than normal IgG

PCR EVALUATION

feces	KMW Room 219 Rack 2	KMW Room 219 Rack 3
<i>Klebsiella oxytoca</i>	-	-
<i>Klebsiella pneumoniae</i>	-	-
<i>Bordetella bronchiseptica</i>	-	-
<i>Chilomastix</i> spp.	-	-
<i>Proteus mirabilis</i>	-	-
<i>Pseudomonas aeruginosa</i>	-	-
<i>Staphylococcus aureus</i>	-	-
<i>Entamoeba muris</i>	-	-
<i>Giardia muris</i>	-	-
<i>Tritrichomonas muris</i>	-	-

filter	B1 219-A
<i>Chilomastix</i> spp.	-
<i>Cryptosporidium</i> spp.	-
<i>Eimeria</i> spp.	-
<i>Helicobacter</i> spp.	-
<i>Helicobacter bilis</i>	-
<i>Helicobacter ganmani</i>	-
<i>Helicobacter hepaticus</i>	-
<i>Helicobacter mastomyrinus</i>	-
<i>Helicobacter rodentium</i>	-
<i>Helicobacter typhlonius</i>	-
<i>Pasteurella pneumotropica</i> biotype Jawetz	-
<i>Pasteurella pneumotropica</i> biotype Heyl	-
<i>Streptococcus pneumoniae</i>	-
<i>Streptococcus</i> sp. beta hemolytic Group A	-

filter	B1 219-A
<i>Streptococcus</i> sp. beta hemolytic Group B	-
<i>Streptococcus</i> sp. beta hemolytic Group C	-
<i>Streptococcus</i> sp. beta hemolytic Group G	-
<i>Entamoeba muris</i>	-
<i>Giardia muris</i>	-
<i>Spironucleus muris</i>	-
<i>Tritrichomonas muris</i>	-
<i>Aspiculuris tetraptera</i>	-
<i>Syphacia muris</i>	-
<i>Syphacia obvelata</i>	-
<i>Myocoptes</i>	-
<i>Radfordia/Myobia</i>	-

Legend: + = positive - = negative id:id = pooled sample range id+id+id = non-range pooled sample NT or blank = no test performed sus = suspect wps = weak positive XX = Testing in progress