

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.

	Test Frequency	Testing Laboratory	Test Method	Latest Test Date	Latest Results	2020 Cumulative Results	2019 Cumulative Results
Virus							
Mouse hepatitis virus (MHV) ^a	3 months	IDEXX	MFIA	June 22, 2020	0 / 24	0 / 52	0/131
Mouse rotavirus (EDIM) ^a	3 months	IDEXX	MFIA	June 22, 2020	0 / 24	0 / 52	0/131
Mouse Minute ParvoVirus (MVM) ^a	3 months	IDEXX	MFIA	June 22, 2020	0 / 24	0 / 52	0/131
Mouse ParvoVirus (MPV) ^a	3 months	IDEXX	MFIA	June 22, 2020	0 / 24	0 / 52	0/131
Theiler's encephalomyelitis virus (GD VII) (TMEV) ^a	3 months	IDEXX	MFIA	June 22, 2020	0 / 24	0 / 52	0/131
Lymphocytic choriomeningitis virus (LCMV) ^a	12 months	IDEXX	MFIA	Mar. 12, 2020	0 / 28	0 / 28	0/28
Mouse adenovirus (MAV) ^a	12 months	IDEXX	MFIA	Mar. 12, 2020	0 / 28	0 / 28	0/28
Norovirus (MNV) ^b	12 months	IDEXX	MFIA	Mar. 12, 2020	28 / 28	28 / 28	28/28
Ectromelia virus ^a	12 months	IDEXX	MFIA	Mar. 12, 2020	0 / 28	0 / 28	0/28
Pneumonia virus of mice (PVM) ^a	12 months	IDEXX	MFIA	Mar. 12, 2020	0 / 28	0 / 28	0/28
Reovirus type 3 (REO 3) ^a	12 months	IDEXX	MFIA	Mar. 12, 2020	0 / 28	0 / 28	0/28
Sendai virus ^a	12 months	IDEXX	MFIA	Mar. 12, 2020	0 / 28	0 / 28	0/28
<i>Hantaan virus</i> ^a	12 months	IDEXX	MFIA	Mar. 12, 2020	0 / 28	0 / 28	0/28
Bacteria and Fungi							
<i>Helicobacter</i> spp. ^b	12 months	IDEXX	PCR	Mar. 12, 2020	8 / 8	8 / 8	8/9
<i>H. hepaticus</i> ^b	12 months	IDEXX	PCR	Mar. 12, 2020	6 / 8	6 / 8	4/9
<i>H. bilis</i> ^b	12 months	IDEXX	PCR	Mar. 12, 2020	5 / 8	5 / 8	2/9
<i>H. ganmani</i> ^b	12 months	IDEXX	PCR	Mar. 12, 2020	8 / 8	8 / 8	7/9
<i>Pasteurella pneumotropica</i> ^b	3 months	IDEXX	PCR	June 22, 2020	7 / 7	8 / 15	14/33
<i>Streptococci</i> Beta-haemolytic (not group D) ^b	3 months	IDEXX	PCR	June 22, 2020	0 / 7	0 / 15	0/33
<i>Streptococcus pneumoniae</i> ^a	3 months	IDEXX	PCR	June 22, 2020	0 / 7	0 / 15	0/33
<i>Citrobacter rodentium</i> ^a	3 months	IDEXX	PCR	June 22, 2020	0 / 7	0 / 15	0/33
<i>Clostridium piliforme</i> ^a	3 months	IDEXX	MFIA	June 22, 2020	0 / 24	0 / 52	0/33
<i>Corynebacterium kutscheri</i> ^b	12 months	IDEXX	PCR	Mar. 12, 2020	0 / 8	0 / 8	0/9
<i>Mycoplasma pulmonis</i> ^a	12 months	IDEXX	MFIA	Mar. 12, 2020	0 / 28	0 / 28	0/9
<i>Salmonella</i> spp. ^a	12 months	IDEXX	PCR	Mar. 12, 2020	0 / 8	0 / 8	0/9
<i>Streptobacillus moniliformis</i> ^a	3 months	IDEXX	PCR	June 22, 2020	0 / 7	0 / 15	0/33
<i>Bordetella bronchiseptica</i> ^b	3 months	IDEXX	PCR	June 22, 2020	0 / 7	0 / 15	0/33
<i>Pasteurella multocida</i> ^b	3 months	IDEXX	PCR	June 22, 2020	0 / 7	0 / 15	0/33
Parasites							
Ectoparasites ^a	3 months	IDEXX	PCR	June 22, 2020	0 / 7	0 / 15	0/33
Endoparasites:							
- Enteric pathogenic protozoa ^a	3 months	IDEXX	PCR	June 22, 2020	0 / 7	0 / 15	0/33
- Helminths (pinworms) ^a	3 months	IDEXX	PCR	June 22, 2020	0 / 7	0 / 15	0/33

Colony policy for positive result: a = outbreak plan initiation; b = no action.

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ICS animals are tested following 2014 FELASA recommendations.

Legend: MFIA = Multiplex FluoroMetric Immuno Assay PCR: Polymerase Chain Reaction
ICS = Institut de la Clinique de la Souris