

# 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	2015 Cumulative Results	2014 Cumulative Results
<b>Virus</b>							
Mouse hepatitis virus (MHV)	3 months	IGBMC	ELISA	11-juin-2015	0 / 48	0 / 85	0/173
Mouse rotavirus (EDIM)	3 months	IGBMC	ELISA	11-juin-2015	0 / 48	0 / 85	0/170
Mouse Minute ParvoVirus (MMV)	3 months	IGBMC	ELISA	11-juin-2015	0 / 48	0 / 85	0/170
NS 1 Parvovirus	3 months	IGBMC	ELISA	11-juin-2015	0 / 48	0 / 85	0/170
Mouse ParvoVirus (MPV)	3 months	IGBMC	ELISA	11-juin-2015	0 / 48	0 / 85	0/170
Theiler's encephalomyelitis virus (GD VII)	3 months	IGBMC	ELISA	11-juin-2015	0 / 48	0 / 85	0/170
Lymphocytic choriomeningitis virus (LCMV)	12 months	IGBMC	ELISA	19-mars-2015	0 / 0	0 / 37	0/37
Mouse adenovirus (MAD)	12 months	IGBMC	ELISA	19-mars-2015	0 / 0	0 / 37	0/37
Norovirus (MNV)	12 months	IGBMC	ELISA	11-déc.-2014	0 / 0	0 / 0	41/48
Ectromelia virus	12 months	IGBMC	ELISA	19-mars-2015	0 / 0	0 / 37	0/37
Pneumonia virus of mice (PVM)	12 months	IGBMC	ELISA	19-mars-2015	0 / 0	0 / 37	0/122
Reovirus type 3 (REO 3)	12 months	IGBMC	ELISA	19-mars-2015	0 / 0	0 / 37	0/37
Sendai virus	12 months	IGBMC	ELISA	19-mars-2015	0 / 0	0 / 37	0/85
<i>Hantaan virus</i>	12 months	CRL	MFIA	11-déc.-2014	0 / 0	0 / 0	0/44
<b>Bacteria and Fungi</b>							
<i>Helicobacter</i> spp.	12 months	IGBMC	PCR	23-mars-2015	0 / 0	34 / 37	29/37
<i>H. hepaticus</i>	12 months	IGBMC	PCR	23-mars-2015	0 / 0	29 / 37	25/37
<i>H. bilis</i>	12 months	IGBMC	PCR	23-mars-2015	0 / 0	0 / 37	0/37
<i>Pasteurella pneumotropica</i>	3 months	IGBMC	CULT	16-juin-2015	0 / 48	2 / 85	4/170
Streptococci Beta-haemolytic (not group D)	3 months	IGBMC	CULT	16-juin-2015	8 / 48	10 / 85	21/170
<i>Streptococcus pneumoniae</i>	3 months	IGBMC	CULT	16-juin-2015	0 / 48	0 / 85	0/170
<i>Citrobacter rodentium</i>	3 months	IGBMC	CULT	16-juin-2015	0 / 48	0 / 85	0/170
<i>Clostridium piliforme</i>	3 months	IGBMC	MICR	10-juin-2015	0 / 48	0 / 85	0/170
<i>Corynebacterium kutscheri</i>	3 months	IGBMC	CULT	16-juin-2015	0 / 48	0 / 85	0/170
<i>Mycoplasma pulmonis</i>	3 months	IGBMC	ELISA	11-juin-2015	0 / 48	0 / 85	0/170
<i>Salmonella</i> spp.	3 months	IGBMC	CULT	16-juin-2015	0 / 48	0 / 85	0/170
<i>Streptobacillus moniliformis</i>	3 months	IGBMC	MICR	10-juin-2015	0 / 48	0 / 85	0/170
<i>Bordetella bronchiseptica</i>	3 months	IGBMC	CULT	16-juin-2015	0 / 48	0 / 85	0/170
<i>Pasteurella multocida</i>	3 months	IGBMC	CULT	16-juin-2015	0 / 48	0 / 85	0/170
<b>Parasites</b>							
Ectoparasites	3 months	IGBMC	MICR	10-juin-2015	0 / 48	0 / 85	0/170
Endoparasites:							
- Enteric pathogenic protozoa	3 months	IGBMC	MICR	10-juin-2015	0 / 48	0 / 85	0/170
- Helminths (pinworms)	3 months	IGBMC	MICR	10-juin-2015	0 / 48	0 / 85	0/170
- Nematods (tapeworms)	3 months	IGBMC	MICR	10-juin-2015	0 / 48	0 / 85	0/170
<b>Lesions observed</b>							
Gross Pathology	3 months	IGBMC	OBS	10-juin-2015	0 / 48	0 / 85	0/170

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Docteur vétérinaire

ICS animal health is following FELASA recommendations.  
Additional parasitic organisms are tested. Results may be transmitted on request.

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Legend: CULT: Culture; MICR: microscopy; DIR: Direct Exam; OBS : Observation  
ELISA =Enzyme Linked Immuno Sorbent Assay MFIA = Multiplex FluoroMetric Immuno Assay  
ICS = Institut de la Clinique de la Souris IGBMC=Institut de Génétique et de Biologie Moléculaire et Cellulaire  
CRL = Charles River Laboratories, Lyon. OBS : Observation