

International Health Monitoring System™ (IHMS™)

The **Taconic International Health Monitoring System™** reflects Taconic's goal of harmonizing its internationally recognized health monitoring program with the FELASA guidelines. This harmonized health program enables US and European customers to directly compare the health status of rats and mice produced at any of Taconic's breeding facilities. The following summary defines any variation of the **Taconic International Health Monitoring System™** from the published FELASA guidelines. Taconic's IHMS™ program not only meets the FELASA guidelines for health monitoring; the program vastly exceeds them for many points of interest. A comparison of features in Taconic's IHMS™ testing program to FELASA Guidelines is listed below.

Comparison to FELASA Guidelines

Point of Interest	Taconic International Health Monitoring System™	FELASA Guidelines	Comments/Changes
Common mouse viruses (MHV, MMV, MPV, EDIM)	Tested every 2 weeks	Test every 3 months	IHMS™ exceeds frequency guidelines
Additional mouse viruses (ECTR, MCMV)	Tested every 26 weeks	Test annually	IHMS™ exceeds frequency guidelines
Common rat viruses (KRV, RCV, RPV, SDAV, TH1)	Tested every 2 weeks	Test every 3 months	IHMS™ exceeds frequency guidelines
Lymphocytic Choriomeningitis Virus (LCM)	Tested every 12-14 weeks	Test annually	IHMS™ exceeds frequency guidelines
Rat and mouse viruses (GD7, PVM, SEN)	Tested every 6 weeks	Test every 3 months	IHMS™ exceeds frequency guidelines
Rat and mouse viruses (MAV1, MAV2, REO3)	Tested every 26 weeks	Test annually	IHMS™ exceeds frequency guidelines
Hantaviruses	Hantaan virus (HAN) tested in mice and rats every 26 weeks	Test in rats annually	IHMS™ exceeds frequency guidelines and tests mice in addition to rats; practicality of testing limits testing to Hantaan virus
Mouse viruses	19 viruses tested	Test 13 viruses	IHMS™ exceeds frequency guidelines
Rat viruses	13 viruses tested	Test 11 viruses	IHMS™ exceeds guidelines
Sample size/frequency	5 animals tested every 6 weeks	Test 10 animals every 12 weeks	IHMS™ frequency enhances likelihood of finding positives
<i>Bordetella bronchiseptica</i>	Tested in mice and rats every 6 weeks	Test in rats every 3 months	IHMS™ exceeds frequency guidelines and tests mice in addition to rats
<i>Citrobacter rodentium</i>	Tested in mice every 6 weeks	Test in mice every 3 months	IHMS™ exceeds frequency guidelines
<i>β</i> hemolytic <i>Streptococcus sp.</i> , <i>Clostridium piliforme</i> , <i>Corynebacterium kutscheri</i> , <i>Mycoplasma sp.</i> , <i>Salmonella sp.</i> , <i>Streptococcus pneumoniae</i>	Tested in mice and rats every 6 weeks	Test in mice and rats every 3 months	IHMS™ exceeds frequency guidelines
<i>Streptobacillus moniliformis</i>	Tested in mice and rats every 6 weeks	Test in rats every 3 months; test in mice annually	IHMS™ exceeds frequency guidelines
<i>Klebsiella oxytoca</i> , <i>Klebsiella pneumoniae</i> , <i>Staphylococcus aureus</i> , <i>Pseudomonas aeruginosa</i>	Tested in mice and rats every 6 weeks	No recommendation	IHMS™ exceeds guidelines
<i>Cilia Associated Respiratory Bacillus (CARB)</i>	Tested in mice and rats every 12-14 weeks	No recommendation	IHMS™ exceeds guidelines
<i>Corynebacterium bovis</i>	Tested every 12-14 weeks in mice and rats w/nude mutation and mice w/SCID mutation	Monitoring recommended in immunodeficient mice; no frequency stated	Taconic defines immunodeficient as mice and rats w/ nude mutation and mice w/ SCID mutation; IHMS™ meets or exceeds guidelines
<i>Helicobacter sp.</i>	Tested in mice and rats every 12-14 weeks	Test in mice and rats annually	IHMS™ exceeds frequency guidelines
<i>Pasteurella sp.</i>	<i>Pasteurella sp.</i> tested in mice and rats every 6 weeks	Test Pasteurellaceae in mice and rats every 3 months	IHMS™ exceeds frequency guidelines; practicality dictates testing only for <i>Pasteurella sp.</i>
<i>Pneumocystis sp.</i>	Tested every 26 weeks by PCR; also evaluated quarterly by histopathologic examination	Monitoring recommended in mouse and rat strains w/ inherited or induced immunodeficiency	IHMS™ uses 2 test methods to evaluate; exceeds guidelines
Parasites	Most ectoparasites and endoparasites tested every 6 weeks	Test for ectoparasites and endoparasites every 3 months	IHMS™ exceeds frequency guidelines
Routine histological examination	Performed quarterly	No recommendation	IHMS™ exceeds guidelines