

2016年第三季交通大學實驗動物中心健康監測結果

一、病毒（抗體）	小鼠	大鼠
1. Hantaan virus	—	0/1
2. Lymphocytic choriomeningitis virus (LCMV)	0/3	0/1
3. Minute virus of mice (MVM)	0/3	—
4. Mouse hepatitis virus (MHV)	0/3	—
5. Mouse parvovirus (MPV)	0/3	—
6. Murine Norovirus (MNV)	0/3	—
7. <i>Mycoplasma pulmonis</i> (<i>M. pul</i>)	0/3	0/1
8. Pneumonia virus of mice (PVM)	—	0/1
9. Rat Theilovirus (RTV)	—	0/1
10. Sendai virus	0/3	—
11. Theiler's murine encephalomyelitis virus (TMEV, GD VII)	0/3	—
12. Sialodacryoadenitis virus (SDAV)	—	0/1
二、細菌（培養）	小鼠	大鼠
1. <i>Bordetella bronchiseptica</i>	0/3	0/1
2. <i>Pseudomonas aeruginosa</i>	0/3	0/1
3. <i>Citrobacter rodentium</i>	0/3	0/1
4. <i>Salmonella</i> spp.	0/3	0/1
5. <i>Helicobacter</i> spp. (PCR)	1/3 ¹	0/1
三、寄生蟲（鏡檢）	小鼠	大鼠
1. <i>Syphacia</i> spp.-玻璃膠帶法	0/3	0/1
2. <i>Aspicularis tetraptera</i>	0/3	0/1
3. <i>Hymenolepis diminuta</i>	0/3	0/1
4. <i>Rodentolepis nana</i>	0/3	0/1

說明：

1. 小鼠 *Helicobacter* spp. 檢出於舊動物房 C 房。

動物疾病簡介

1. *Helicobacter*

Helicobacter (H.) species (spp.) are Gram-negative, microaerophilic, spiral-to-curve-shaped bacteria with sheathed flagella. The pathogenic potential of the murine *Helicobacter* spp. is unclear. *H. muridarum* may occasionally colonize

the stomach and elicit gastritis. *H. hepaticus* and *H. bilis* are associated with chronic, active hepatitis; Koch's postulates have been fulfilled for the association of *H. hepaticus* with hepatitis. *H. hepaticus* may also induce liver tumors (both adenomas and carcinomas) in older male A/JCr mice and inflammatory large bowel disease in severe combined immunodeficiency (scid/scid) and nude (Hfh11nu/Hfh11nu) mice. Various mouse strains were reported to differ greatly in susceptibility to *H. hepaticus*-induced liver disease with A/JCr and scid/scid mice being highly susceptible and C57BL/6NCr mice being resistant. Male mice were more severely affected than females. The earliest histopathologic liver lesions seen, at 2 to 6 months of age, were focal necrosis and focal non-suppurative inflammation. By 6 to 10 months of age, extensive liver involvement included hepatocytomegaly, bile ductular (oval cell) hyperplasia, and cholangitis.

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