

## 系統名 : C3H/HeSlc

### 特徴

- 毛周期が安定している
- 遺伝的に網膜異常があるとされている
- LPS に対し感受性あり
- 雄の肝癌発生率が高い

### 用途

- 免疫・がん研究
- 発毛研究<sup>1), 2)</sup>

### 毛色

野生色 (AABBCC)

### H2ハプロタイプ

H2<sup>k</sup>

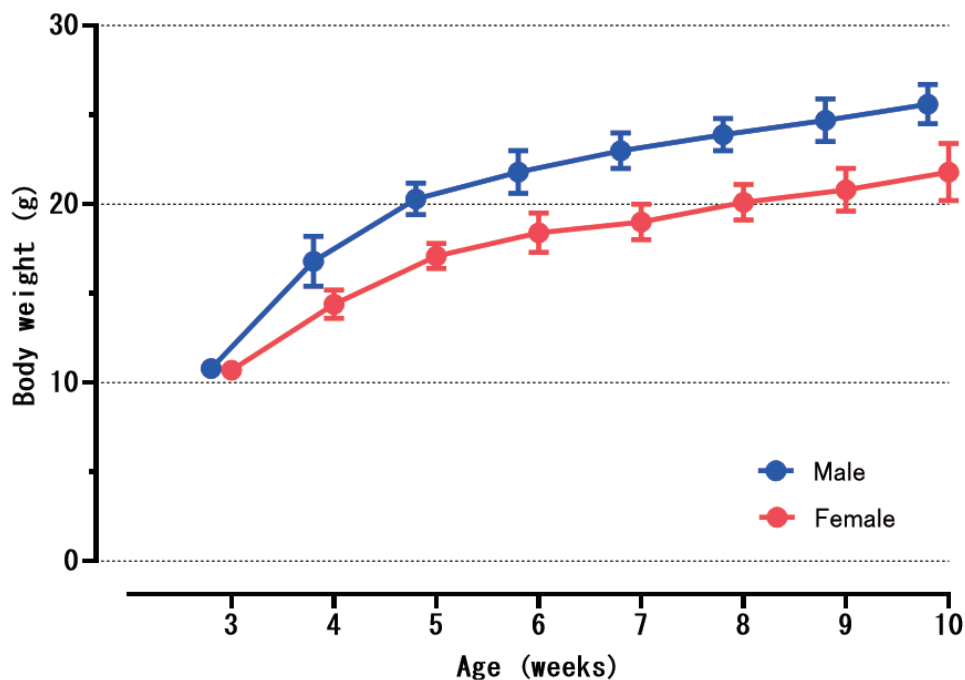
### 由来

1975年に東京大学医科学研究所より導入



- 1) Kawano et al. *J Invest Dermatol.* 2005. **124**:877-885.  
 2) Kawano et al. *J Invest Dermatol.* 2004. **122**:1084-1090.

## ■ 体重曲線



		Age (weeks)								
		3	4	5	6	7	8	9	10	
Male (n=20)	Mean (g)	10.8	16.8	20.3	21.8	23.0	23.9	24.7	25.6	
	S.D.	0.3	1.4	0.9	1.2	1.0	0.9	1.2	1.1	
Female (n=20)	Mean (g)	10.7	14.4	17.1	18.4	19.0	20.1	20.8	21.8	
	S.D.	0.4	0.8	0.7	1.1	1.0	1.0	1.2	1.6	

飼料: 5L3R (PMI FEEDS)

## ■血液学的検査

Items	Unit	Male	Female
		10 weeks n=10	10 weeks n=10
WBC	$\times 10^2/\mu\text{L}$	32.6 $\pm$ 6.6	43.9 $\pm$ 19.3
RBC	$\times 10^4/\mu\text{L}$	883.1 $\pm$ 30.1	902.9 $\pm$ 38.2
HGB	g/dL	13.6 $\pm$ 0.6	14.1 $\pm$ 0.6
HCT	%	44.6 $\pm$ 1.6	45.8 $\pm$ 2.1
MCV	fL	50.5 $\pm$ 0.3	50.8 $\pm$ 0.5
MCH	pg	15.4 $\pm$ 0.2	15.6 $\pm$ 0.2
MCHC	g/dL	30.5 $\pm$ 0.5	30.8 $\pm$ 0.3
PLT	$\times 10^4/\mu\text{L}$	105.5 $\pm$ 12.2	95.6 $\pm$ 14.9

Values are mean  $\pm$  S.D.  
飼料: 5L3R (PMI FEEDS)

## ■血液生化学的検査

Items	Unit	Male	Female
		10 weeks n=10	10 weeks n=9
AST	U/L	78.9 $\pm$ 25.5	84.4 $\pm$ 48.0
ALT	U/L	39.9 $\pm$ 15.6	40.4 $\pm$ 21.2
ALP	U/L	381.8 $\pm$ 25.3	519.6 $\pm$ 47.4
ALB	g/dL	3.2 $\pm$ 0.1	3.3 $\pm$ 0.1
TP	g/dL	4.8 $\pm$ 0.2	4.8 $\pm$ 0.2
A/G		1.9 $\pm$ 0.1	2.3 $\pm$ 0.1
GLU	mg/dL	120.0 $\pm$ 12.6	122.4 $\pm$ 16.6
T-BIL	mg/dL	0.14 $\pm$ 0.01	0.08 $\pm$ 0.01
T-CHO	mg/dL	105.6 $\pm$ 7.4	84.1 $\pm$ 4.3
TG	mg/dL	104.4 $\pm$ 29.3	60.6 $\pm$ 10.7
PL	mg/dL	204.7 $\pm$ 11.7	161.3 $\pm$ 8.2
Ca	mg/dL	9.4 $\pm$ 0.1	9.6 $\pm$ 0.1
IP	mg/dL	6.2 $\pm$ 0.3	6.5 $\pm$ 0.2
BUN	mg/dL	26.1 $\pm$ 1.9	25.1 $\pm$ 2.7
CRE	mg/dL	0.08 $\pm$ 0.02	0.10 $\pm$ 0.01
Na	mEq/L	152.5 $\pm$ 1.2	152.9 $\pm$ 1.4
K	mEq/L	5.2 $\pm$ 0.5	4.6 $\pm$ 0.2
Cl	mEq/L	115.8 $\pm$ 0.8	115.3 $\pm$ 1.5

Values are mean  $\pm$  S.D.  
飼料: 5L3R (PMI FEEDS)

## ■器官重量

Items	Unit	Male	Female
		10 weeks n=10	10 weeks n=10
Body weight	g	22.8 $\pm$ 1.3	20.6 $\pm$ 1.0
Absolute organ weight			
Brain	g	0.455 $\pm$ 0.015	0.456 $\pm$ 0.019
Heart	g	0.100 $\pm$ 0.006	0.090 $\pm$ 0.003
Lung	g	0.142 $\pm$ 0.017	0.133 $\pm$ 0.010
Kidney (L)	g	0.181 $\pm$ 0.015	0.131 $\pm$ 0.008
(R)	g	0.191 $\pm$ 0.017	0.142 $\pm$ 0.008
Spleen	g	0.064 $\pm$ 0.006	0.084 $\pm$ 0.010
Liver	g	0.985 $\pm$ 0.066	0.934 $\pm$ 0.087
Testis (L)	g	0.074 $\pm$ 0.005	
(R)	g	0.078 $\pm$ 0.003	
Ovary (L)	mg		5.6 $\pm$ 1.2
(R)	mg		6.1 $\pm$ 0.7
Uterus	g		0.071 $\pm$ 0.009
Thymus	g	0.024 $\pm$ 0.003	0.030 $\pm$ 0.005
Salivary gland (L)	g	0.085 $\pm$ 0.008	0.059 $\pm$ 0.005
(R)	g	0.086 $\pm$ 0.006	0.062 $\pm$ 0.004
Relative organ weight			
Brain	g%	2.00 $\pm$ 0.12	2.22 $\pm$ 0.09
Heart	g%	0.44 $\pm$ 0.02	0.44 $\pm$ 0.02
Lung	g%	0.62 $\pm$ 0.05	0.65 $\pm$ 0.04
Kidney (L)	g%	0.79 $\pm$ 0.03	0.64 $\pm$ 0.03
(R)	g%	0.84 $\pm$ 0.06	0.69 $\pm$ 0.02
Spleen	g%	0.28 $\pm$ 0.02	0.41 $\pm$ 0.03
Liver	g%	4.32 $\pm$ 0.12	4.54 $\pm$ 0.24
Testis (L)	g%	0.33 $\pm$ 0.02	
(R)	g%	0.34 $\pm$ 0.02	
Ovary (L)	mg%		27.41 $\pm$ 5.87
(R)	mg%		29.67 $\pm$ 3.98
Uterus	g%		0.35 $\pm$ 0.03
Thymus	g%	0.10 $\pm$ 0.01	0.14 $\pm$ 0.02
Salivary gland (L)	g%	0.37 $\pm$ 0.03	0.29 $\pm$ 0.03
(R)	g%	0.38 $\pm$ 0.02	0.30 $\pm$ 0.03

Values are mean  $\pm$  S.D.  
飼料: 5L3R (PMI FEEDS)