

系統名：A/JJmsSlc

特徴

- 肺腫瘍の発生率が高い¹⁾
- 口唇裂・口蓋裂の発生率が高い
- 加齢に伴い腎病変が多発

用途

- 免疫・がん研究

毛色

アルビノ (aabbcc)

H2ハプロタイプ

H2^d

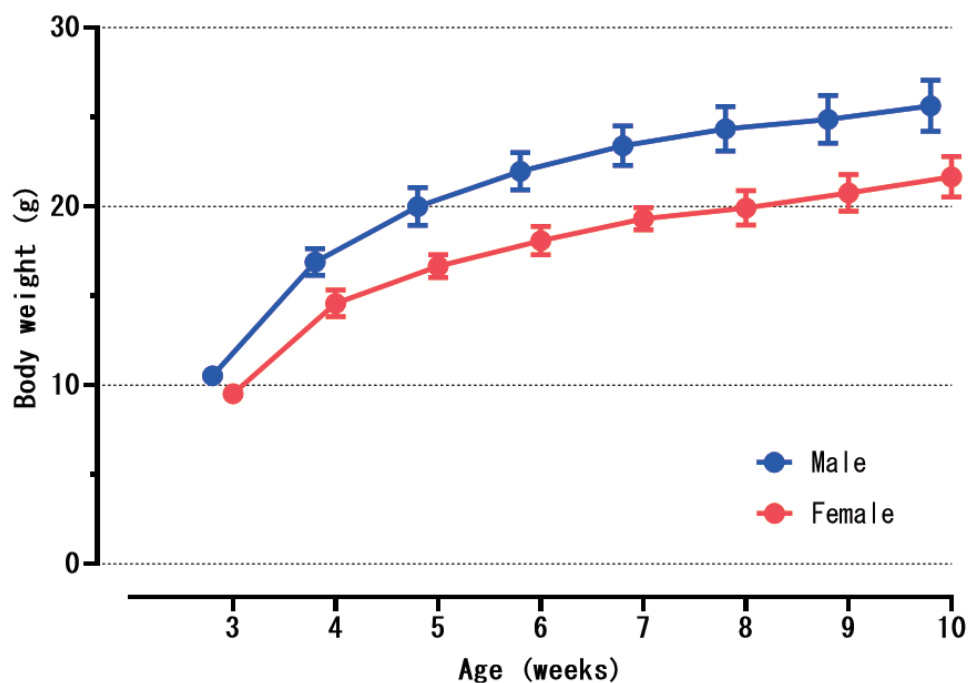
由来

1980年に東京大学医科学研究所より導入



1) Onami *et al. J Toxicol Pathol.* 2017. **30**: 209-216.

■ 体重曲線



		Age (weeks)							
		3	4	5	6	7	8	9	10
Male (n=20)	Mean (g)	10.5	16.9	20.0	22.0	23.4	24.4	24.9	25.6
	S.D.	0.3	0.7	1.1	1.0	1.1	1.3	1.3	1.4
Female (n=20)	Mean (g)	9.5	14.6	16.7	18.1	19.3	19.9	20.8	21.7
	S.D.	0.3	0.7	0.6	0.8	0.6	1.0	1.0	1.1

飼料: 5L3R (PMI FEEDS)

■血液学的検査

Items	Unit	Male	Female
		10 weeks n=10	10 weeks n=10
WBC	$\times 10^2/\mu\text{L}$	25.8 \pm 5.4	25.2 \pm 3.6
RBC	$\times 10^4/\mu\text{L}$	955.0 \pm 30.4	939.1 \pm 26.4
HGB	g/dL	14.0 \pm 0.5	13.9 \pm 0.4
HCT	%	47.7 \pm 1.2	46.6 \pm 1.2
MCV	fL	50.0 \pm 0.9	49.6 \pm 0.5
MCH	pg	14.7 \pm 0.1	14.9 \pm 0.2
MCHC	g/dL	29.4 \pm 0.6	29.9 \pm 0.3
PLT	$\times 10^4/\mu\text{L}$	103.5 \pm 5.2	101.8 \pm 5.7

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=10
AST	U/L	51.8 \pm 10.6	139.3 \pm 95.7
ALT	U/L	29.6 \pm 6.2	59.5 \pm 22.4
ALP	U/L	400.3 \pm 16.8	393.9 \pm 19.0
ALB	g/dL	3.3 \pm 0.1	3.5 \pm 0.1
TP	g/dL	4.8 \pm 0.1	4.7 \pm 0.2
A/G		2.4 \pm 0.1	2.7 \pm 0.2
GLU	mg/dL	128.6 \pm 15.5	156.8 \pm 15.9
T-BIL	mg/dL	0.11 \pm 0.01	0.07 \pm 0.01
T-CHO	mg/dL	88.4 \pm 3.7	74.6 \pm 4.9
TG	mg/dL	99.2 \pm 9.4	97.7 \pm 19.8
PL	mg/dL	178.3 \pm 9.9	152.1 \pm 8.7
Ca	mg/dL	8.9 \pm 0.2	8.9 \pm 0.2
IP	mg/dL	8.2 \pm 1.2	7.8 \pm 0.8
BUN	mg/dL	26.2 \pm 1.4	25.4 \pm 2.0
CRE	mg/dL	0.04 \pm 0.02	0.05 \pm 0.02
Na	mEq/L	151.7 \pm 1.1	150.9 \pm 0.8
K	mEq/L	4.4 \pm 0.5	4.4 \pm 0.4
Cl	mEq/L	113.3 \pm 1.4	111.5 \pm 1.4

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	22.6 \pm 2.2	20.1 \pm 0.9
Absolute organ weight			
Brain	g	0.390 \pm 0.016	0.396 \pm 0.009
Heart	g	0.092 \pm 0.009	0.086 \pm 0.004
Lung	g	0.132 \pm 0.010	0.124 \pm 0.007
Kidney(L)	g	0.150 \pm 0.015	0.125 \pm 0.010
(R)	g	0.152 \pm 0.015	0.126 \pm 0.010
Spleen	g	0.056 \pm 0.004	0.066 \pm 0.004
Liver	g	0.878 \pm 0.076	0.804 \pm 0.045
Testis(L)	g	0.084 \pm 0.005	
(R)	g	0.082 \pm 0.005	
Ovary(L)	mg		4.1 \pm 0.9
(R)	mg		4.7 \pm 0.9
Uterus	g		0.055 \pm 0.015
Thymus	g	0.032 \pm 0.006	0.033 \pm 0.004
Salivary gland(L)	g	0.064 \pm 0.010	0.047 \pm 0.005
(R)	g	0.063 \pm 0.012	0.051 \pm 0.005
Relative organ weight			
Brain	g%	1.74 \pm 0.17	1.97 \pm 0.08
Heart	g%	0.41 \pm 0.03	0.43 \pm 0.02
Lung	g%	0.59 \pm 0.04	0.62 \pm 0.03
Kidney(L)	g%	0.67 \pm 0.02	0.62 \pm 0.05
(R)	g%	0.67 \pm 0.03	0.63 \pm 0.05
Spleen	g%	0.25 \pm 0.02	0.33 \pm 0.02
Liver	g%	3.90 \pm 0.18	4.00 \pm 0.19
Testis(L)	g%	0.38 \pm 0.04	
(R)	g%	0.37 \pm 0.05	
Ovary(L)	mg%		20.32 \pm 4.09
(R)	mg%		23.28 \pm 4.67
Uterus	g%		0.27 \pm 0.07
Thymus	g%	0.14 \pm 0.02	0.17 \pm 0.01
Salivary gland(L)	g%	0.29 \pm 0.06	0.23 \pm 0.03
(R)	g%	0.28 \pm 0.04	0.26 \pm 0.02

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