

## 系統名 : Slc:ddY

### 特徴

- ・発育および繁殖性が良好

### 用途

- 一般研究用として幅広い分野で使用される
- ・ワクチン検定
- ・毒性評価



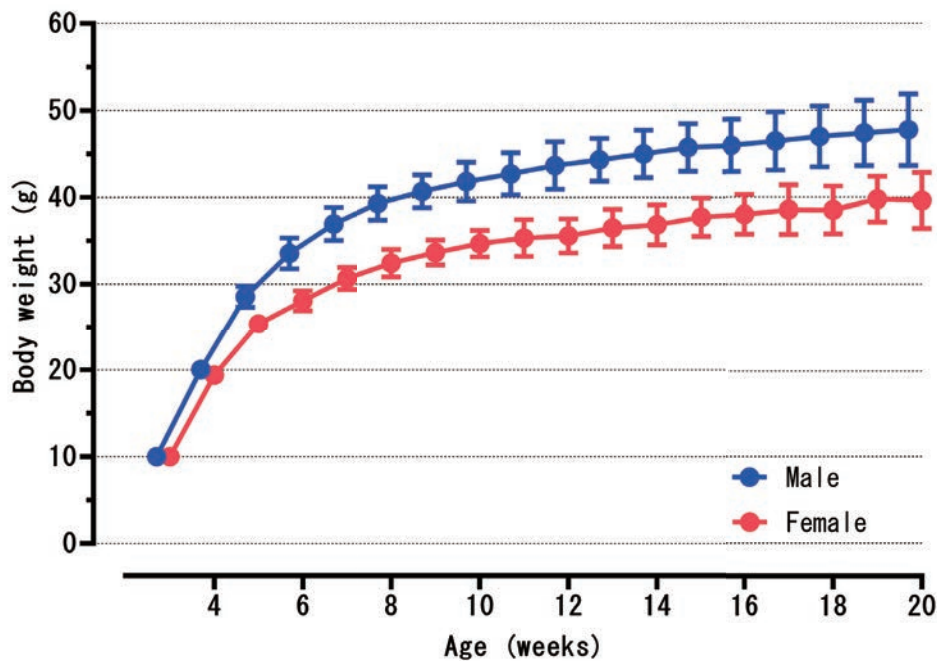
### 毛色

アルビノ

### 由来

1963年に国立予防衛生研究所(現 国立感染症研究所)より導入

## ■体重曲線



		Age (weeks)																	
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Male (n=20)	Mean (g)	10.0	20.0	28.6	33.5	36.9	39.3	40.7	41.8	42.7	43.7	44.3	45.0	45.7	45.9	46.4	47.0	47.4	47.7
	S.D.	0.0	0.4	1.2	1.8	1.9	1.9	1.9	2.2	2.4	2.7	2.4	2.7	2.7	3.0	3.4	3.5	3.8	4.1
Female (n=19)	Mean (g)	10.0	19.4	25.4	28.1	30.6	32.4	33.6	34.6	35.3	35.6	36.5	36.8	37.7	38.0	38.6	38.5	39.8	39.6
	S.D.	0.0	0.4	1.0	1.2	1.3	1.6	1.4	1.5	2.1	2.0	2.2	2.3	2.2	2.3	2.8	2.7	2.6	3.2

飼料:ラボM-A2(日本農産工業)

## ■血液学的検査

Items	Unit	Male		Female	
		10 weeks n=10	20 weeks n=10	10 weeks n=10	20 weeks n=10
WBC	$\times 10^2/\mu\text{L}$	37.7 $\pm$ 11.7	32.3 $\pm$ 6.7	27.6 $\pm$ 4.4	21.2 $\pm$ 5.4
RBC	$\times 10^4/\mu\text{L}$	883.0 $\pm$ 48.6	918.4 $\pm$ 32.0	910.3 $\pm$ 35.5	905.7 $\pm$ 53.0
HGB	g/dL	13.9 $\pm$ 0.7	14.3 $\pm$ 0.4	14.4 $\pm$ 0.3	14.1 $\pm$ 0.7
HCT	%	47.3 $\pm$ 2.3	46.0 $\pm$ 1.6	47.9 $\pm$ 1.3	45.4 $\pm$ 2.4
MCV	fL	53.6 $\pm$ 1.0	50.1 $\pm$ 1.6	52.7 $\pm$ 1.7	50.2 $\pm$ 1.1
MCH	pg	15.7 $\pm$ 0.3	15.5 $\pm$ 0.5	15.9 $\pm$ 0.5	15.6 $\pm$ 0.3
MCHC	g/dL	29.4 $\pm$ 0.6	31.0 $\pm$ 0.9	30.1 $\pm$ 0.5	31.1 $\pm$ 0.5
PLT	$\times 10^4/\mu\text{L}$	105.8 $\pm$ 15.3	106.0 $\pm$ 20.0	99.5 $\pm$ 7.8	91.1 $\pm$ 15.5

Values are mean  $\pm$  S.D.  
飼料:ラボM-A2 (日本農産工業)

## ■血液生化学的検査

Items	Unit	Male		Female	
		10 weeks n=10	20 weeks n=10	10 weeks n=10	20 weeks n=9
AST	U/L	50.7 $\pm$ 13.1	54.6 $\pm$ 6.3	47.3 $\pm$ 8.2	62.3 $\pm$ 8.9
ALT	U/L	33.6 $\pm$ 7.1	28.2 $\pm$ 6.3	24.6 $\pm$ 9.6	32.3 $\pm$ 11.8
ALP	U/L	469.4 $\pm$ 173.3	288.4 $\pm$ 106.1	378.4 $\pm$ 51.1	419.2 $\pm$ 157.1
ALB	g/dL	2.9 $\pm$ 0.1	3.0 $\pm$ 0.1	3.0 $\pm$ 0.2	3.0 $\pm$ 0.1
TP	g/dL	4.7 $\pm$ 0.1	5.0 $\pm$ 0.2	4.6 $\pm$ 0.3	4.7 $\pm$ 0.2
A/G		1.7 $\pm$ 0.1	1.5 $\pm$ 0.1	2.0 $\pm$ 0.1	1.8 $\pm$ 0.1
GLU	mg/dL	88.9 $\pm$ 21.1	73.0 $\pm$ 15.0	76.3 $\pm$ 31.1	64.6 $\pm$ 21.7
T-BIL	mg/dL	0.14 $\pm$ 0.03	0.12 $\pm$ 0.02	0.08 $\pm$ 0.02	0.07 $\pm$ 0.01
T-CHO	mg/dL	128.2 $\pm$ 20.9	141.5 $\pm$ 36.7	113.2 $\pm$ 26.3	109.9 $\pm$ 20.9
TG	mg/dL	106.0 $\pm$ 28.9	94.1 $\pm$ 27.2	128.7 $\pm$ 63.7	82.1 $\pm$ 21.1
PL	mg/dL	230.8 $\pm$ 26.5	241.9 $\pm$ 47.0	191.0 $\pm$ 34.7	184.6 $\pm$ 23.6
Ca	mg/dL	9.3 $\pm$ 0.3	9.0 $\pm$ 0.3	9.3 $\pm$ 0.4	9.2 $\pm$ 0.2
IP	mg/dL	8.1 $\pm$ 2.0	6.4 $\pm$ 1.2	8.6 $\pm$ 1.5	8.5 $\pm$ 1.3
BUN	mg/dL	25.6 $\pm$ 2.7	24.9 $\pm$ 3.8	21.0 $\pm$ 2.5	19.1 $\pm$ 3.5
CRE	mg/dL	0.10 $\pm$ 0.02	0.08 $\pm$ 0.03	0.06 $\pm$ 0.02	0.07 $\pm$ 0.02
Na	mEq/L	148.0 $\pm$ 2.0	150.9 $\pm$ 1.4	149.6 $\pm$ 2.0	151.1 $\pm$ 1.5
K	mEq/L	5.1 $\pm$ 0.5	4.3 $\pm$ 0.3	4.6 $\pm$ 0.4	3.8 $\pm$ 0.3
Cl	mEq/L	108.3 $\pm$ 1.6	108.7 $\pm$ 2.2	110.4 $\pm$ 1.4	109.5 $\pm$ 1.8

Values are mean  $\pm$  S.D.  
飼料:ラボM-A2 (日本農産工業)

## ■器官重量

Items	Unit	Male		Female	
		10 weeks n=18	20 weeks n=20	10 weeks n=20	20 weeks n=19
Body weight	g	38.2 ± 2.4	44.5 ± 3.9	31.5 ± 2.0	36.8 ± 3.2
Absolute organ weight					
Brain	g	0.454 ± 0.033	0.473 ± 0.025	0.456 ± 0.025	0.473 ± 0.021
Heart	g	0.166 ± 0.014	0.189 ± 0.018	0.137 ± 0.009	0.152 ± 0.013
Lung	g	0.204 ± 0.013	0.220 ± 0.020	0.179 ± 0.016	0.195 ± 0.013
Kidney (L)	g	0.267 ± 0.032	0.281 ± 0.041	0.175 ± 0.017	0.199 ± 0.023
(R)	g	0.279 ± 0.028	0.294 ± 0.046	0.185 ± 0.016	0.205 ± 0.026
Spleen	g	0.115 ± 0.020	0.108 ± 0.029	0.120 ± 0.015	0.130 ± 0.028
Liver	g	1.465 ± 0.109	1.520 ± 0.154	1.277 ± 0.109	1.400 ± 0.148
Testis (L)	g	0.126 ± 0.015	0.141 ± 0.026		
(R)	g	0.131 ± 0.015	0.148 ± 0.024		
Ovary (L)	mg			7.5 ± 1.8	10.1 ± 3.8
(R)	mg			8.4 ± 2.2	9.9 ± 2.8
Uterus	g			0.120 ± 0.037	0.171 ± 0.095
Thymus	g	0.044 ± 0.006	0.032 ± 0.008	0.054 ± 0.013	0.044 ± 0.010
Salivary gland (L)	g	0.106 ± 0.012	0.120 ± 0.016	0.065 ± 0.007	0.070 ± 0.012
(R)	g	0.106 ± 0.013	0.123 ± 0.013	0.064 ± 0.008	0.071 ± 0.013
Relative organ weight					
Brain	g%	1.19 ± 0.11	1.07 ± 0.11	1.45 ± 0.11	1.30 ± 0.11
Heart	g%	0.44 ± 0.03	0.43 ± 0.05	0.43 ± 0.02	0.42 ± 0.04
Lung	g%	0.53 ± 0.03	0.50 ± 0.05	0.57 ± 0.05	0.53 ± 0.05
Kidney (L)	g%	0.70 ± 0.06	0.63 ± 0.09	0.55 ± 0.05	0.54 ± 0.06
(R)	g%	0.73 ± 0.06	0.66 ± 0.10	0.59 ± 0.05	0.56 ± 0.07
Spleen	g%	0.30 ± 0.05	0.24 ± 0.06	0.38 ± 0.04	0.35 ± 0.07
Liver	g%	3.84 ± 0.20	3.42 ± 0.23	4.05 ± 0.20	3.81 ± 0.28
Testis (L)	g%	0.33 ± 0.04	0.32 ± 0.07		
(R)	g%	0.34 ± 0.04	0.34 ± 0.06		
Ovary (L)	mg%			23.82 ± 5.79	27.52 ± 10.64
(R)	mg%			26.83 ± 7.47	27.00 ± 8.23
Uterus	g%			0.38 ± 0.12	0.46 ± 0.23
Thymus	g%	0.12 ± 0.02	0.07 ± 0.02	0.17 ± 0.04	0.12 ± 0.03
Salivary gland (L)	g%	0.28 ± 0.02	0.27 ± 0.04	0.21 ± 0.03	0.19 ± 0.03
(R)	g%	0.28 ± 0.02	0.28 ± 0.03	0.20 ± 0.03	0.19 ± 0.04

Values are mean ± S.D.  
飼料:ラボM-A2 (日本農産工業)