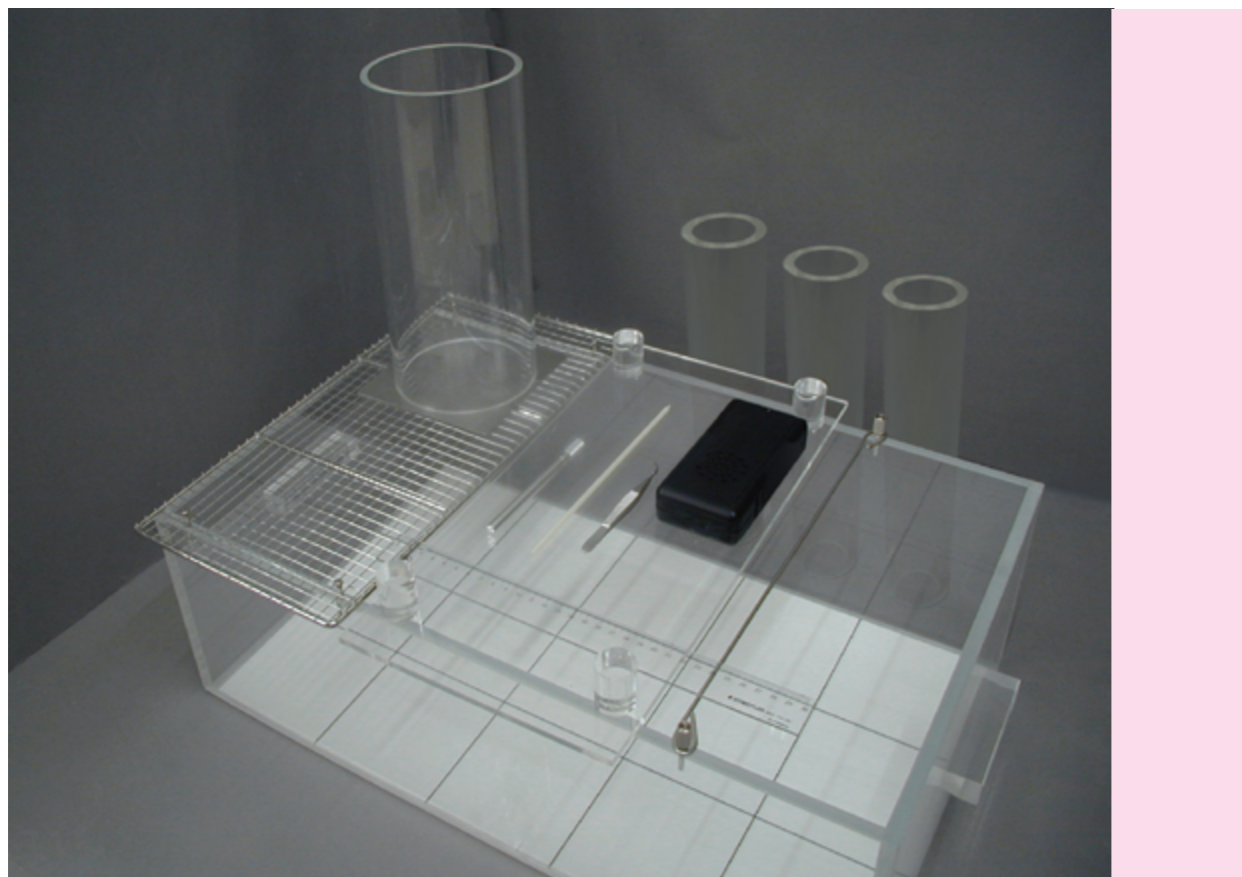
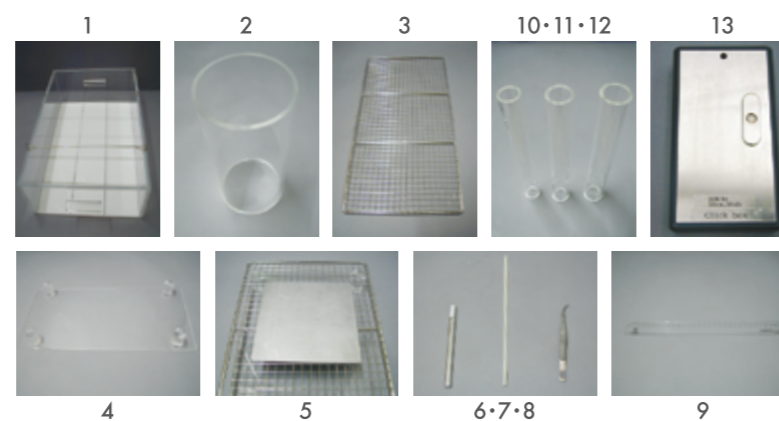


マウス観察器具セット<行動・形態・特性>

Mouse observation tools for Combined Modified SHIRPA and Dymorphology (CSD)  
<behavioral and morphological characteristics>



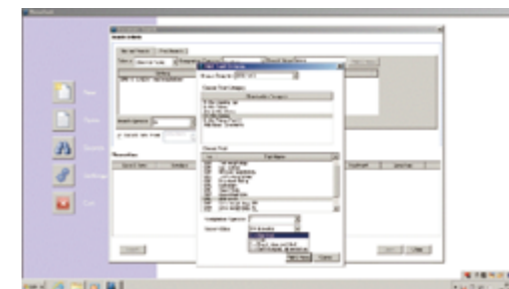
Component
1. Arena
2. Viewing jar
3. Grid floor
4. Supports for Grid floor
5. Stainless steel plate
6. Wire attached to an end of a dowel
7. Plastic rod
8. Forceps with tips bent
9. Ruler
10. Transparent tube ø25
11. Transparent tube ø30
12. Transparent tube ø35
13. Click box
14. Observation software



These are tools to observe behavioral and morphological characteristics for Combined Modified SHIRPA and Dymorphology (CSD). We have a license to produce and provide the same tools as used in RIKEN BioResource Center Technology and Development Team for Mouse Phenotype Analysis (Japan Mouse Clinic), under the instruction of them. Moreover, we are developing data entry software with Japan Mouse Clinic in order to reduce the time, labor power and mistakes for data registry. The software will be adapted to International Mouse Phenotyping Consortium CSD (IMPC CSD) version.

Observation Traits (IMPC CSD version)

Activity (body position)	1	54 Hind limbs position
Tremor	2	55 Hind limbs shape
Transfer arousal	3	56 Hind limbs size (left)
Locomotor activity	4	57 Hind limbs size (right)
Gait	5	58 Paws size (hind left)
Tail elevation	6	59 Paws size (hind right)
Startle response	7	60 Paws shape (hind left)
Touch escape	8	61 Paws shape (hind right)
Positional passivity	9	62 Digit number (hind left)
Trunk curl	10	63 Digit number (hind right)
Limb grasp	11	64 Digit size (hind left)
Head size	12	65 Digit size (hind right)
Head morphology	13	66 Digit shape (hind left)
Snout size	14	67 Digit shape (hind right)
Toe pinch	15	68 Nail number (hind left)
Body length	16	69 Nail number (hind right)
Tail length	17	70 Nail length (hind left)
Tail presence	18	71 Nail length (hind right)
Tail length	19	72 Nail shape (hind left)
Tail thickness	20	73 Nail shape (hind right)
Tail morphology	21	74 Contact righting
Mouth morphology	22	75 Coat/hair colour (back)
Lip morphology	23	76 Coat/hair colour pattern (back)
Teeth presence	24	77 Coat/hair distribution (back)
Teeth appearance	25	78 Coat/hair texture/appearance (back)
Salivation	26	79 Coat/hair colour (head)
Vibrissae presence	27	80 Coat/hair colour pattern (head)
Vibrissae appearance	28	81 Coat/hair distribution (head)
Genitalia presence	29	82 Coat/hair texture/appearance (head)
Genitalia size	30	83 Coat/hair colour pattern (abdomen)
Genitalia morphology	31	84 Coat/hair colour pattern (abdomen)
Abdominal tone	32	85 Coat/hair distribution (abdomen)
Limb tone	33	86 Coat/hair texture/appearance (abdomen)
Forelimbs position	34	87 Skin colour
Forelimbs shape	35	88 Skin texture
Forelimbs size (left)	36	89 Skin colour (snout)
Forelimbs size (right)	37	90 Skin texture (snout)
Paws size (fore left)	38	91 Skin colour (ear)
Paws size (fore right)	39	92 Skin texture (ear)
Paws shape (fore left)	40	93 Skin colour (front paws)
Paws shape (fore right)	41	94 Skin texture (front paws)
Digit number (fore left)	42	95 Skin colour (back paws)
Digit number (fore right)	43	96 Skin texture (back paws)
Digit size (fore left)	44	97 Skin colour (tail)
Digit size (fore right)	45	98 Skin texture (tail)
Digit shape (fore left)	46	99 Vocalization
Digit shape (fore right)	47	100 Aggression
Nail number (fore left)	48	101 Head bobbing
Nail number (fore right)	49	102 Unexpected behaviours
Nail length (fore left)	50	103 Body weight
Nail length (fore right)	51	
Nail shape (fore left)	52	
Nail shape (fore right)	53	



\*The Observation traits are still under discussion in International Mouse Phenotyping Consortium. These traits could be changed.