All for accurate experimental results.

■List of items
・Experimental Equipments
・Control Equipments
・Disinfectants

CLEA Japan has been participating in the planning to build the facilities of animal experiments for many research institutes and companies. After completion of the facilities,we further provide all kind of consulting services for the facility control and management,and the products, that are introduced in this brochure, such as experimental and control equipment and consumable supplies and materials, in addition to experimental animals and animal diets. We are proud to offer you all of these software and hardware that you need to operate your facilities with highest efficiency.

CLEA JAPAN

CLEA CATALOG 2 Contents

※Dimensions and designs are subject to change without notice due to continuous improvements.
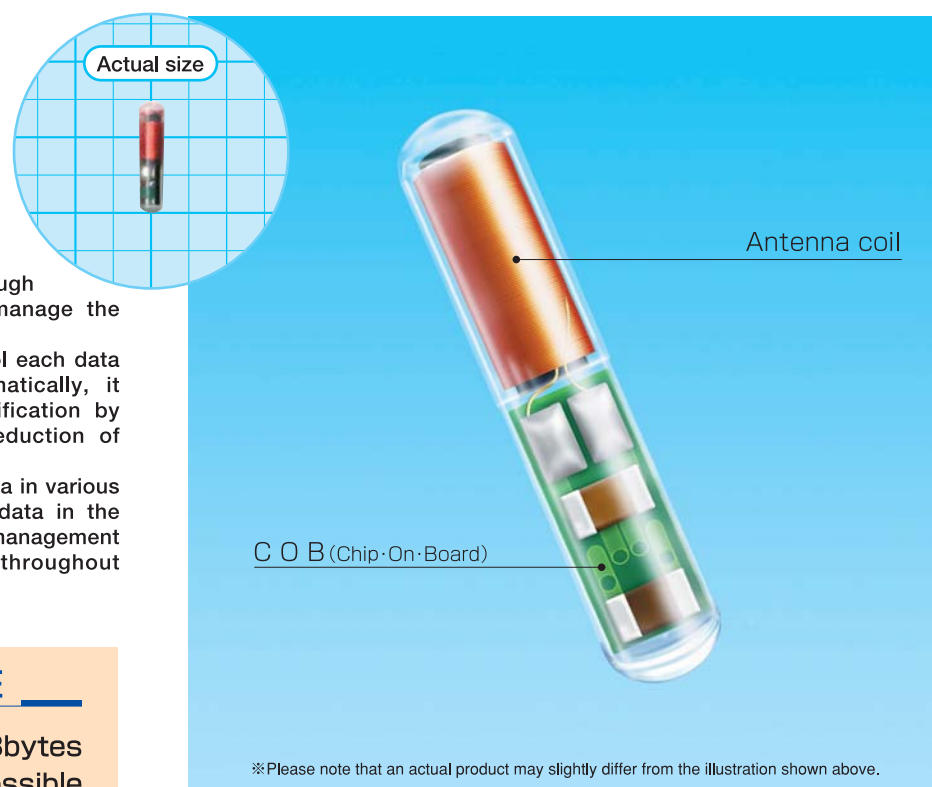
CL-4582 IT-MOUSE

Application／
Individual Animal Traceable Management System

IT-MOUSE is an individual distributed management system which consists of a tag inserted into mouse body and Reader/Writer device. The system makes reading, writing, adding and updating of the data possible through wireless communication and can manage the traceability of laboratory animals.
As the system can match and control each data and each individual animal automatically, it prevents data missing or misidentification by human error and contributes to reduction of management cost.
And this system allows the use of data in various applications by putting the stored data in the database, and brings innovation to management and practical use of data throughout experimental period.

Features of IT-MOUSE

■Memory size ——— 128bytes
■Memory rewriting —— Possible
■Effective transmission range
——— 0～20mm

Actual size

Antenna coil

C O B (Chip·On·Board)

※Please note that an actual product may slightly differ from the illustration shown above.

IT-MOUSE Tag
Dimensions／3.4φ×14.3mm
Structure／Antenna coil, COB, Outer case (Polypropylene)

CL-4587
IT-MOUSE
tag insertion device

CL-4586
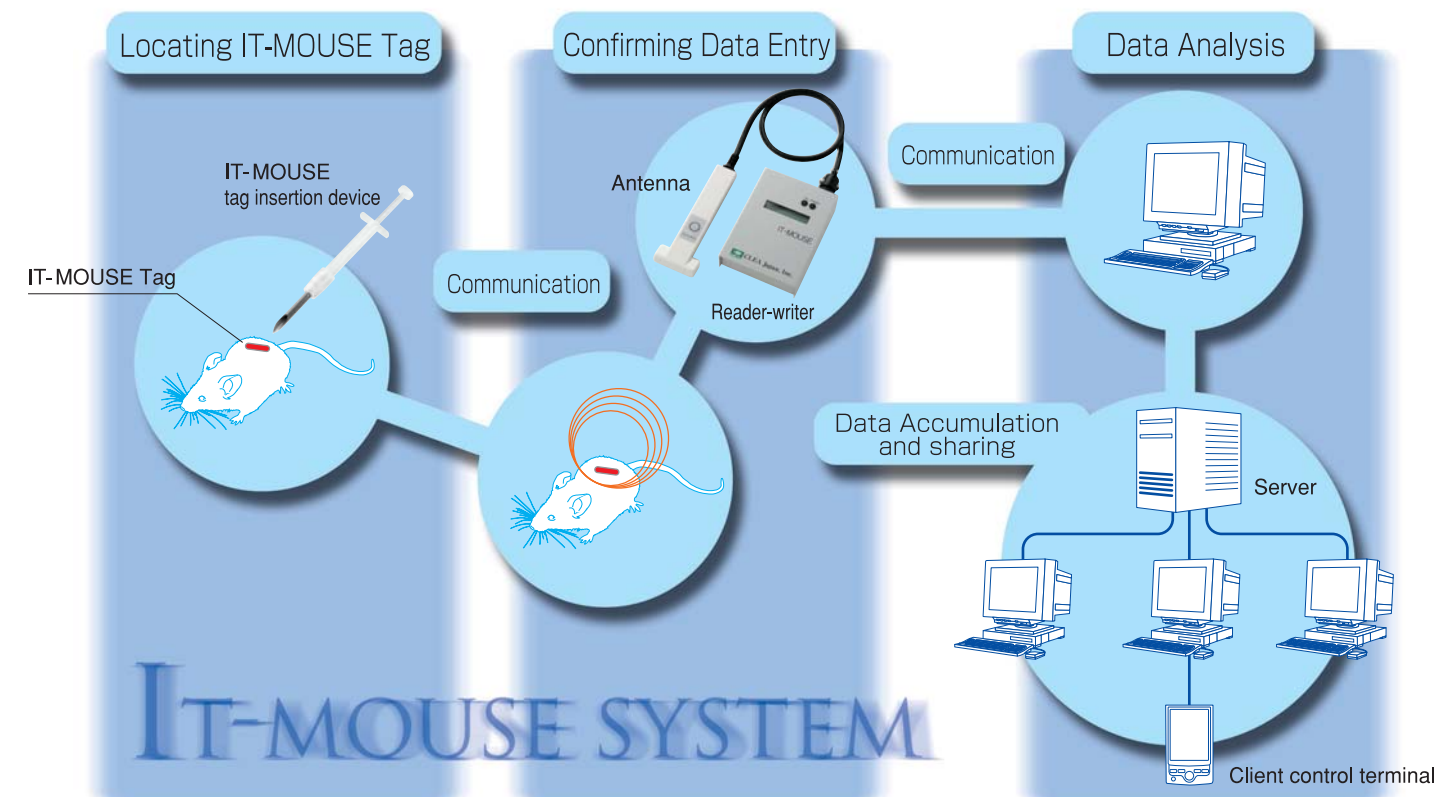Antenna (Handheld type)

CL-4585
Reader-writer

Photo : Reader-writer with antenna

Overview of management system

Locating IT-MOUSE Tag　　Confirming Data Entry　　Data Analysis

IT-MOUSE
tag insertion device

Antenna

Communication

IT-MOUSE Tag

Communication

Reader-writer

Data Accumulation
and sharing

Server

Client control terminal

IT-MOUSE SYSTEM

Various advantage in introduction of IT-MOUSE system

■Management of
　individual mouse and cage
○Reducing human error in management　　○Saving management cost
○Individual distributed management of data　　○Easy restoration in the event of a natural disaster
○Reducing management workload and the number of processes

■Database construction
○Automatic creation of various documents　　○Simplifying data analysis

Flexible data management by system control software
System control software can be customized according to your needs

Breeding Room

■Management of individual mouse
○Reading data from individual mouse
○Writing data to individual mouse／ID, Gender, Genotype, Parent ID, Birth date, Assigned caretaker, and etc.
○Managing condition of individual mouse／Pregnancy status, Delivery date, Number of births

Laboratory

■Server
○Accumulating and managing individual and other relating data

■Server and Interface
○Uploading collected data to server
○Downloading individual data from server
○Downloading software

■Operation on client side
○Data entry by typing

Data collection
Data search
Print out

Data list by cage
Pedigree by cage
Data list by individual
Pedigree by individual

Data processing and analysis by software such as Excel
Maintenance of master information

※Different data format suiting to your system is available upon request with extra charge. Please ask our customer service.

Features of Monkey Chair

● This innovative system, which has developed in the U.S., provides comfortable working condition for both animals and experimentalists by gently handling animals.

● Easy to hold animal in a correct position to avoid stress on animal and this ensures to eliminate undesirable effects on your experiment.

● Waist plate has a leg splitter that can stretch monkey's legs apart and keep the lower body out of reach by its hands.

● Easy to assemble with an attached mini-spanner.

CL-4535
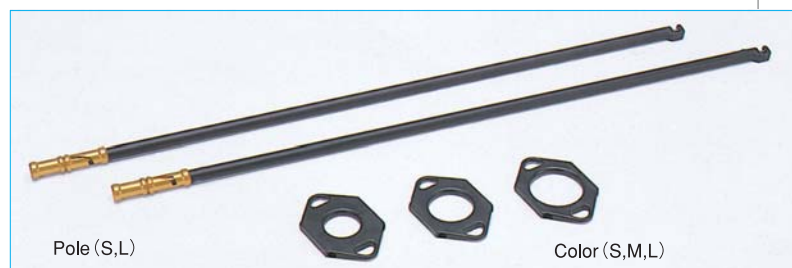## Monkey Chair
Dimensions／800×700×1000mm
Material／Alloy

Water Bottle
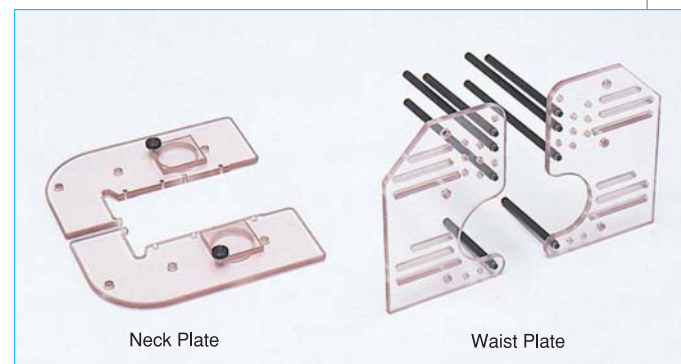
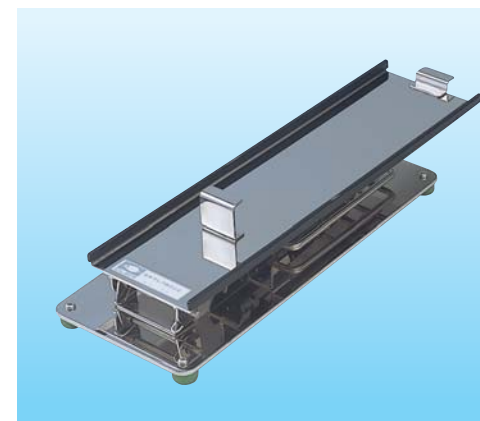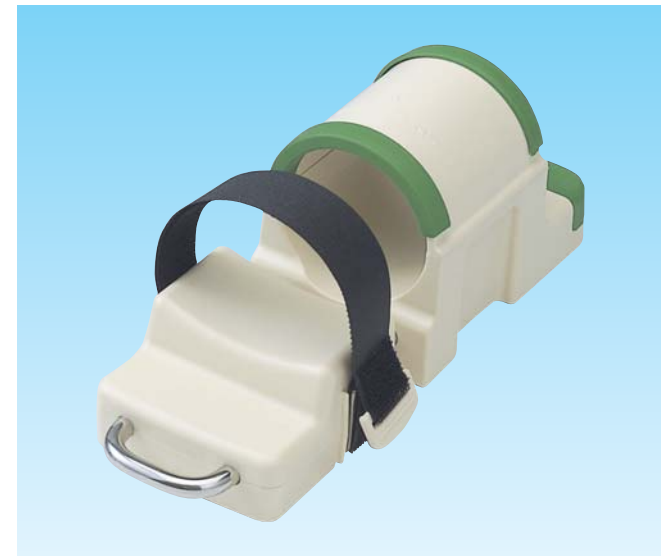Neck Plate   Waist Plate

Pole（S,L）   Color（S,M,L）

CL-4532
Marmoset Holder
Dimensions／88×263×93mm
Material／Main frame: PP, Guard: Elastomer
             Frame: Stainless steel, Belt: Nylon
Weight／600g
Replacement Parts／Guards: three, Belt: one

Features of Marmoset Holder

Waist belt is the only holding part of animal unlike other conventional holders, so that stress on animal is significantly reduced.

● The area which touches animal's mouth is coverd with soft protection material.

● Slide table can be adjusted according to the size of animal.

● Adjustable belt gently holds animal's waist.

● Compact size and easy to carry.

・Placing a holder on a holding stand

・Angle-adjustable in six levels

CL-4533
Holding Stand
Ｄｉｍｅｎｓｉｏｎｓ／120×368×68（maximum355）mm
Material／Main frame: Stainless steel
             Pla-part: Elastomer
Weight ／1.4kg

Features of Holding Stand

It stably holds an animal in standby position on the holder during operation.

● Multi-experiments can be performed at the same time by standing the holders side-by-side.

● Angle of the stand can be adjustable in six levels to choose most stable position.

● Heavy stainless steel is used to ensure standing stability.

● It can be folded up for easy carrying.

CL-4511
Versatile operating table for medium size animals

CL-4512
Versatile operating table for medium size animals
(with two tool trays)
Dimensions／630×900×730〜930mm
Material／stainless steel

Simple Operating Table for medium size animals

It is designed for operation and dissection of medium size animals. Control handles conveniently located in the head side allow operator to control the table with ease.
（CL4512 with two convenient tool trays for operation and dissection reduces operator's fatigue,）
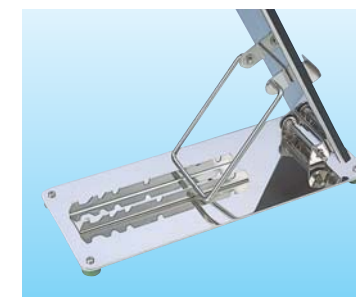
CL-4513
Simple Operating Table for medium size animals
Dimensions／665×995×800mm
Material／Stainless steel

CL-4510
T-shaped Beagle Holder
Outside Dimensions／
Large：200W×300L×110Hmm
Medium：180W×280L×110Hmm
Small：160W×260L×100Hmm
Applicable body weight／
Large：10〜18kg
Medium：7〜15kg
Small：5〜10kg
Main frame material／Aluminum, alumite-coating
※Applicable weight is rough estimation intended for beagles.

CL-4515
Holding and Dissecting Table for dogs
Dimensions／400×1,200×130mm
Materials／Stainless steel, brass
Accessory／One large and one small Palmer-type neck fixing brackets

CL-4516
Thermal Holding and Operating Table for dogs
Dimensions／400×1,200×130mm
Materials／Stainless steel, brass
AC Power Supply／100V 250W Heater
Accessory／One large and one small Palmer-type neck fixing brackets
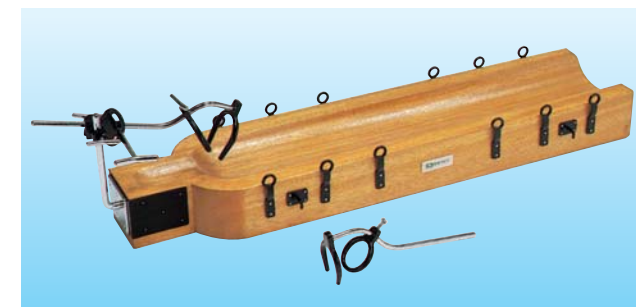
CL-4517
Holding Table for dogs
Dimensions／270×1,200×120mm
Materials／Wood, Steel
Accessory／One large and one small neck fixing brackets

CL-4518
Dissection table for cats and rabbits
Dimensions／300×850×110mm
Materials／Stainless steel, brass
Accessory／One large and one small neck fixing brackets
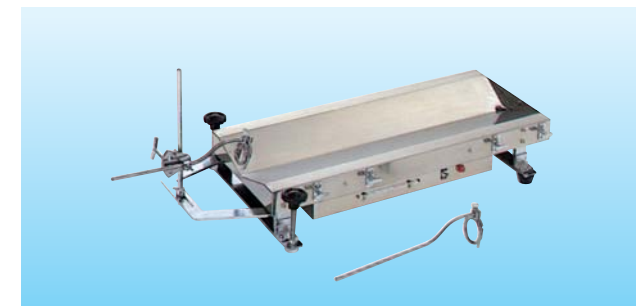
CL-4519
Thermal Operating Table for cats and rabbits
Dimensions／300×850×110mm
Materials／Stainless steel, brass
AC Power Supply／100V 150W Heater
Accessory／One large and one small neck fixing brackets
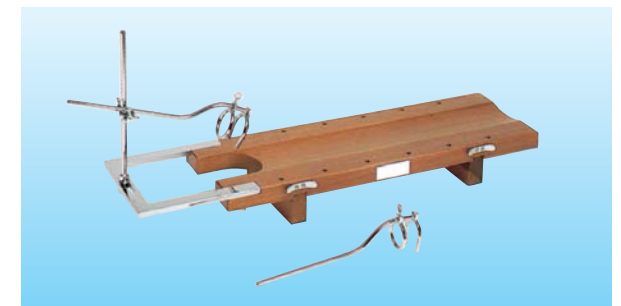
CL-4520
Kitajima-type Rabbit Holder
Dimensions／220×800×80mm
Materials／Wood, Steel
Accessory／One large and one small neck fixing brackets

CL-4521
Oshida-type Rabbit Holder
Dimensions／Small：150×400×120mm
　　　　　　Medium：170×450×140mm
　　　　　　Large：190×500×150mm
Material／Brass

CL-4522
Blood Collecting Box for rabbits (with sliding door)
Dimensions／205×430×200mm
Material／Wood
※Hinged door is also available.

CL-4523
Holder with stocks for rabbits
Material／Wood

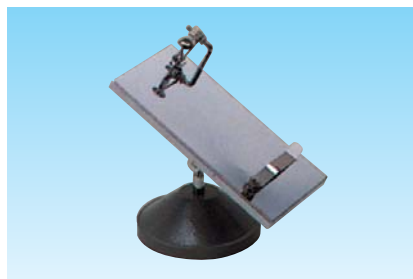| Model Number	Dimensions (mm)
CL-4523-1	For one rabit／220×400×250
CL-4523-2	For two rabbits／395×400×250
CL-4523-3	For three rabbits／570×400×250
CL-4523-5	For five rabbits／920×400×250

CL-4524
Modefied Koyama-type Rat Holder
Dimensions／100×240×170mm
Material／Brass
Accessories／One collar clip, One large, one medium,
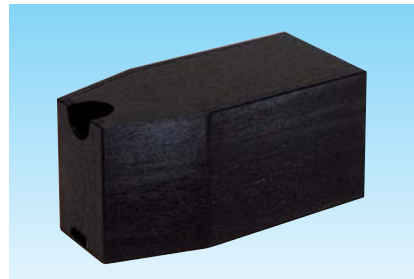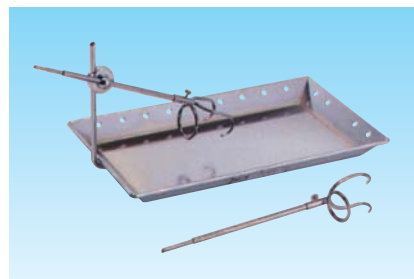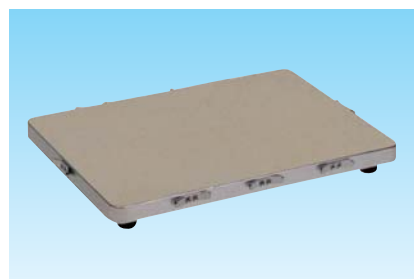　　　　　　and one small neck fixing brackets

CL-4525
Mouse Holder
Dimensions／85×165×95mm
Material／Brass
Accessories／One large, one medium,
　　　　　　and one small holding brackets

CL-4526
Kitazato-type Mouse Holder
Dimensions／85×165×95mm
Material／Brass

CL-4527
Shiga-type Guinea Pig Holder
Dimensions／200×300×25mm
Material／Brass
Accessories／One large and one small neck fixing brackets

CL-4528-1
Animal Pocket for Rats
Dimensions／153×315mm
Materials／OP,CP
50sheets／bag, 2bags／pack.

CL-4528-2
Animal Pocket for Mice
Dimensions／103×190mm
Materials／OP,CP
50sheets／bag, 2bags／pack.

CL-4529
Dissecting Table
Dimensions／240×300mm
Materials／Wood and cork boarding

CL-4530
Operating Plate for holding mice and rats
Dimensions／300×400mm
Material／Decorative finish

CL-4531
Rabbit Holder
Dimensions／205×500×180mm
Material／Urethane foam

CL-4550
37-items Dissecting Tool Set for small and medium size animals

Charriere bone saw	1	Surgical scissors		Tapered tweezers (130mm)	2
Plastic hammer	1	Straight apex cartilaginis arytenoideae edge	1	Tapered tweezers (110mm)	2
Board chisel (120mm)	1	Settlement apex cartilaginis arytenoideae edge	2	Tapered tweezers for dental surgery	1
Double-head curette No.1	1	Dual blunt edges	1	Artery forceps	2
Liston bone cutting forceps (170mm)	1	Ophthalmic scissors-straight	2	Scalpel chondrotome-cartilage knife	1
Bone cutting forceps (240mm)	1	Wire cutting scissors-straight	1	Scalpel-apex cartilaginis arytenoideae edge knif	1
Kocher double hook clamp	2	Kocher clump forceps (140mm)	2	Spare blade holder No.3,No.4	1
Aneurysm needle, Left and Right	1	Kocher clump forceps (110mm)	2	Spare blade for scalpel No.23,No.14	1
Mathieu needle holder (160mm)	1	Bougie medium and small	1		

CL-4551
18-items Operating Tool Set for small animals

Surgical scissors		Mathieu needle holder (160mm)	1
Straight apex cartilaginis arytenoideae edge	1	Tapered tweezers (130mm)	1
Settlement apex cartilaginis arytenoideae edge	2	Tapered tweezers (110mm)	1
Dual blunt edges	1	Tapered tweezers for dental surgery	1
Ophthalmic scissors-straight	2	Double-head curette No.1	1
Wire cutting scissors-straight	1	Probe-small	2
Spare blade holder No.3,No.4	1		
Spare blade for scalpel No.23,No.14	1		

CL-4552
Five-items Simple Operating Tool Set

Surgical scissors
Straight apex cartilaginis arytenoideae edge ···· 1
Ophthalmic scissors-straight ··········· 1
Scalpel scissors ····························· 1
Tapered tweezers (130mm) ············ 1
Tapered tweezers (110mm) ············ 1

CL-4564
Hand Cleaner
Dimensions／153×297×173mm
Two-way power supply either from
100V AC or DC battery

CL-4561-2
Hand-wash Stand Type-2 (for two basins)
Dimensions／680×330×750mm
Material／Stainless steel, with wheels
Basin／320φ, with two basins

CL-4561-1
Hand-wash Stand Type-1 (for one basin)
Dimensions／330×330×750mm
Material／Stainless steel, with wheels
Basin／320φ, with one basin

CL-4562
Operating Light
(Ceiling Type)

### ■Specifications of Operating Light（Ceiling Type）

Bulb	illumination intensity (at one meter) （lux）	Adjustment for illumination intensity	Adjustment for focus （cm）	Power Consumption （VA）	Bulb life （hr）	Color temperature	Optical field (at one meter) （cm）
#37　24V-35W Krypton-halogen bulb Open type Cold mirror reflection	55,000 ～ 25,000	4-level Switch	60 ～ 120	190	About 2,000	4,250°K ±250°	12 ～ 18
#HCR-150-3S 21-layer coating 24V-40W Shield Beam High cool ray	53,000 ～ 25,000			220		4,000°K ±250°	

※Please specify bulb type.

Disposable
Flexible Oral Sonde

Features

● It is made of flexible Teflon, therefore it can be smoothly inserted and misadministration of drugs into the trachea can be avoided.
● A rounded tip ensures that damage to the wall of the esophagus is prevented.
● It is disposable and can be used as it is since it has been already sterilized by EO gas.
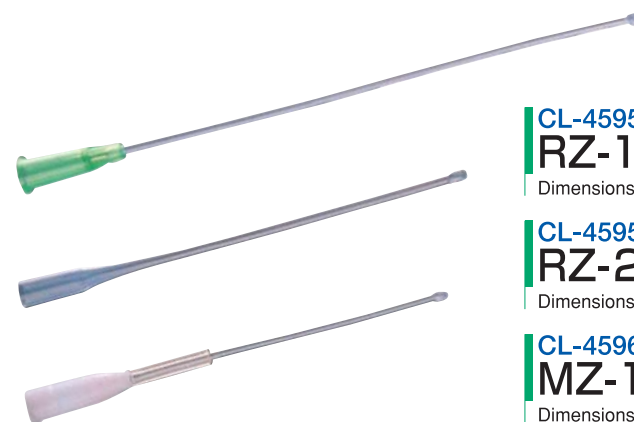
CL-4595-1
RZ-1 for rats
Dimensions／1.6φ×110mm

CL-4595-2
RZ-2 for rats
Dimensions／1.6φ×85mm

CL-4596
MZ-1 for mice
Dimensions／1.2φ×80mm

CL-4570
Cancer cell transplantation needle
Dimensions／3.5φ×9.5mm
Material／Unit／one needle or five needles in one package
※Cancer cell transplantation needle for nude mouse.

CL-4588
Nelaton Catheter
Dimensions／2.5～8.5φ×330mm
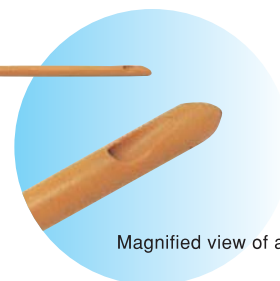
Magnified view of a tip

CL-4594
Sonde K-type（for rabbits）
Dimensions／6.5φ×530mm

CL-4593
Oral Syringe
Volume／1ml

CL-4537-2

CL-4537-1

CL-4536-1
Leather Gloves for Animal Capture
One size fits all

CL-4537-1
Animal capture net No.1

CL-4537-2
Animal capture net No.2

CL-4536-2
Stainless Gloves
For left or right hand,（S,M,L）

CL-4558
Ear Punch for small animals
Dimensions／120mm
Punch diameter／φ1.5mm

CL-4538
Face protector

CL-4556
Electric Clipper for Small Animals
（AC Type）
Dimensions／188×50×50mm
AC Power Supply／100V
Weight／550g (including blade)
Accessory／Motor oil, grease, replacement blade (one kind)

Replacement blade

Replacement Blade	Thickness （mm）	Animal
#40	0.5	Mouse,Rat
#30	1	Mouse,Rat
#15	1.5	Rat,Rabbit,Dog
#10	2	Rabbit,Dog
#7	4	Dog

#40

CL-4020 Sterilization containers

Features

● High performance polymer product with lightweight, superior heat resistance and shock resistance. Identify contents through locked clear lid.
● Maintenance free stainless steel filter.
● Stored equipments can be preserved for long term after sterilization. (6 months)

■Sterilization containers

Model No.	CL-4020	CL-4021	CL-4022
Dimensions	580×294×150mm	455×294×150mm	285×294×150mm
Weights	2.5kg	2.2kg	1.6kg
Materials	Body and lid: Polyphenylsulfone, Filter: Stainless steel (SUS316L)		
Safety	Safe preservation period: 6 months. Bacterial filtration efficiency of filter: 97.4%		
Effectiveness of sterilization	Autoclave and gas sterilization are available.		

■Baskets

Model No.	CL-4020-1	CL-4021-1	CL-4022-1
Dimensions	540×255×50mm	415×255×50mm	245×255×50mm
Model No.	CL-4020-2	CL-4021-2	CL-4022-2
Dimensions	540×255×75mm	415×255×75mm	245×255×75mm

CL-4547-1
Sterilization Box (Type A)
Dimensions／400×300×300mm
Material／Stainless steel
Application／Bedding sterilization

CL-4547-2
Sterilization Box (Type B)
Dimensions／400×300×300mm
Material／Stainless steel
Application／Diet sterilization

CL-4548
Cart for Sterilization Box
Dimensions／460×360×905mm
Material／Stainless steel
Components／One sterilization box and one cart

CL-4025
Diet Container
Dimensions／500×410×970mm
Material／Stainless steel
Components／
Two diet boxes and one cart

CL-4601
Operating Cart
Dimensions／610×440×810mm
Material／Stainless steel

CL-4541
Working Table
Dimensions／900×600×800mm
Materials／Stainless steel, SUS430

CL-4542
Rolling Stepladder
Dimensions／550×600×650mm
Material／Steel

CL-4543-1
Pushcart
Dimensions／700×450×800mm
Material／Steel
Maximum Load／100kg

CL-4543-2
Pushcart (Type S)
Dimensions／900×600×850mm
Material／Steel
Maximum Load／300kg

CL-4543-5
Container Cart
Dimensions／900×600×855mm
Maximum Load／300kg

CL-4543-6 Cart Type D
Dimensions／（Shelf 610＋bag 460）×610×1050mm
Diameter of caster／100mm rubber wheel

CL-4543-7 Cart

CL-4543-8
Working Cart

■Specification of CL-4543-7 and CL-4543-8

Model Number	Type	Dimensions (mm) W	D	H	Diameter of caster
CL-4543-7	BKA-S	760	460	950	100mm Rubber wheel
	BKB-S	910			
	BKC-S	1,070			
	BKD-S	760	610		
	BKE-S	910			
	BKF-S	1,070			
CL-4543-8	K0-S	610	460	860	100mm Rubber wheel
	K1-S	760			
	K2-S	910			
	K3-S	760	610		
	K5-S	910			

※Two free casters and two casters with stoppers

CL-4501
Water- and Dust-proof Digital Balance

Features

● Washable water- and dust-proof balance
● Fully sanitary since main body and measuring plate are made of stainless steel.
● Can be set to zero with empty container on the scale
● Easy-to-read large LCD display

■ **Specifications (SK-WP)**

Type	SK-1000WP	SK-2000WP	SK-5000WP	SK-10KWP	SK-20KWP
Weighing Capacity	1000g	2000g	5000g	10kg	20kg
Minimum Scale	0.5g	1g	2g	0.005kg(5g)	0.01kg(10g)
Operating Temperature and Humidity	-5℃ to 35℃ 85% and below (no condensation)				
Display	LCD display Displaying character height 25mm				
Measuring Plate Dimensions	232 (W)×192 (D) mm				
Main body Dimensions	244 (W)×232 (D)×137 (H) mm				
Power Supply	Six size D manganese batteries, six size D alkaline batteries, or AC adapter				
Battery life	Manganese battery: about 600 hours (20℃) Alkaline battery: about 200 hours (20℃)				
Weight	About 2.9kg				

·SL-D Series have double-sided displays

Rear face

CL-4502
Digital Balance

Features

● Easy to use digital scale
● Plastic body is drip-proof.
● Can be set to zero with empty container on the scale
● Easy-to-read large LCD display.

■ **Specifications (SH/SL/SL-D)**

Type	SH-1000 SL-1000D	SH-2000 SL-2000D	SH-5000 SL-5000D	SL-10K SL-10KD	SL-20K SL-20KD	SL-30K SL-30KD
Weighing Capacity	1000g	2000g	5000g	10kg	20kg	30kg
Minimum Scale	0.5g	1g	2g	0.005kg(5g)	0.01kg(10g)	0.02kg(20g)
Operating Temperature and Humidity	-5℃ to 35℃ 85% and blow (no condensation)					
Display	LCD display Displaying character height 25mm (SL-D series have Double-sided displays)					
Measuring Plate Dimensions	232 (W)×190 (D) mm					
Main body Dimensions	244 (W)×232 (D)×137 (H) mm					
Power Supply	Six size D manganese batteries, six size D alkaline batteries, or AC adapter					
Battery life	Manganese battery: about 600 hours (20℃) Alkaline battery: about 200 hours (20℃)					
Weight	About 1.5kg					

○We also offer special scales, that can hold average weight for accurate weight measurement, for highly active animals. Please contact our customer service.

CL-4651
Large Center Laboratory table

Top Board／Nonasbestos synthetic resin
Main Body／Plywood, Particle Board 18t
Sink／Stainless steel (SUS-304) sink ×1
Stainless steel (SUS-304) pot ×2
Water faucet／Three-faucet type×1
One-faucet type ×4
Gas valve／Optional valve×4
Electrical outlet／
AC100V,15A grounded two outlets×4ヶ
Chemical Storage Cabinet／
With glass doors and safety pipes
Lighting／20W light×4

CL-4658
Chemical and Equipment Storage Cabinet

Main Body／Plywood, Particle Board 18t
Plastic plywood lamination
Top Board／Nonasbestos synthetic resin
Glass Sliding Door／Transparent 5 mm thick glass
Stainless steel sliding door rail,
Molded Polyvinyl Chloride Sliding Door
With sliding lock and safety pipe

CL-4655
Side Laboratory Table

Top Board／Nonasbestos synthetic resin
Main Body／Plywood, Particle Board 18t

CL-4656
Side Laboratory Table

Top Board／Nonasbestos synthetic resin
Main Body／Plywood, Particle Board 18t

CL-4650
Sink Unit

Main Body／Plastic plywood lamination 18t
Sink Surface／Stainless steel (SUS-304)
Depth 200mm, with traps
Water faucet／Three-faucet type×1
Two-faucet type×1
※Lead or Polyvinyl Chloride lamination is also available for sink surface in addition to various types of stainless steels.

CL-4005 Sink

■ **Specifications**

Model Number	Model Name	Dimensions (mm) W	D	H
CL-4650 -1 -2	Sink Unit	1,500 1,800	750	800
CL-4651 -1 -2 -3	Large Center Laboratory Table	2,400 3,000 3,600	1,500	800
CL-4655 -1 -2	Side Laboratory Table (Flat Top Type)	1,500 1,800	750	800
CL-4656 -1 -2 -3	Side Laboratory Table (Flat Top Type)	1,800 2,400 3,000	750	800
CL-4658 -1 -2 -3 -4	Chemical and Equipment Storage Cabinet	900 1,200 1,500 1,800	400／500	1,800

■ **Specifications**   Made of stainless steel

Model Number	Model Name	Dimensions (mm) W	D	H	Depth
CL-4001	Sink	1,200	750	800	300
CL-4002					600
CL-4003		1,500			300
CL-4004					600
CL-4005		1,800			300
CL-4006					600
CL-4007		2,100			300
CL-4008					600

CL-4583
Treadmill
Forced exercise motion recorder
For both mice and rats

■Specifications

Dimensions of Main Body	W660×D1,020×H930mm
Lane size	W440×D1,020×H930mm
Running Speed	5〜70m／min
Pitch	0〜30°degrees (adjustable)
Power Supply	100V-1A（Maximum）

CL-4578
Rotarod for Mice and Rats

Rotarod treadmill to measure endurance performance of mice and rats. Rotors are made of hard rubber to prevent animals from sliding down by themselves and enduring time can be accurately measured.

■ Specifications of rotarod

Dimensions of Main Body	700×350×525mm		
Rod (Hard Rubber)	φ30 （For mice）	φ70 （For rats）	φ90 （For rats）
Revolution Speed	Digital Display, Adjustable		
Power Supply	100V 3A		

CL-4579-1
Activity Wheel for Rats

CL-4579-2
Activity Wheel for Mice

Unit：mm

Wheel	Living Cage			Dimensions of Main Body		
φ	W	W	D	H	W	D	H
370	100	140	400	165	270	410	420

Unit：mm

Wheel	Living Cage			Dimensions of Main Body		
φ	W	W	D	H	W	D	H
200	50	90	220	90	180	230	250

This is a device to measure the amount of voluntary running of animals on various kinds of testing, such as, testing on central nervous system and drug effects. Measurement is done by a counter in default setting. The counter is replaceable with micro-switch or photocell and long-hour experimental data can be recorded by using CL-4580 universal digital printer (for micro-switch only).

CL-4580
Universal Digital Printer
（Six channels）
Dimensions／430×350×160mm
Power Supply／100V6A

Various kinds of experimental data can be recorded in printing. In Activity Wheel, data can be recorded in printing by replacing a counter with a micro-switch.

Enough oxygen supply is always assured by this positive pressure respirator.
Physiologically natural respiration can be achieved for dogs, cats, and rabbits model, since the Inhale-exhale ratio is adjustable

CL-4573
Respirator for dogs and pigs
（Adjustable inhale-exhale ratio type）

CL-4577-1/-2
Respirator for guinea pigs, rats, and mice
（Fixed inhale-exhale (IE) ratio）

■Specifications for Animal Respirators

Model Number	Model name	Type	Dimensions (mm)			Weight	Range of Adjustable Respiratory Volume	Range of Adjustable Respiratory Rate	Range of Adjustable IE Ratio
			W	D	H	kg	cc	Number/min	%
CL-4573	Respirator for dogs and pigs	Adjustable IE ratio	560	310	320	23	50〜750	5〜50	30〜70
CL-4574		Fixed IE ratio							－
CL-4575	Respirator for cats and rabbits	Adjustable IE ratio	560	310	320	22	10〜100	10〜90	30〜70
CL-4576		Fixed IE ratio							－
CL-4577-1	Respirator for guinea pigs and rats	Fixed IE ratio	320	275	270	13	0〜30 / 0〜10	20〜150	－
CL-4577-2	Respirator for mice	Fixed IE ratio	320	275	270	13	0〜3	20〜150	－

※Electrical motor uses 100V DC gear motor.
※Dual cylinder／piston type, that can treat two animals simultaneously, is also available.

Respirators >>>

Heavy metal and chemical contaminants are monitored.(non-periodic.)
Irradiated bedding is also available.

CL-4130
Recycled Paper Bedding PC
Packaging／Pe bag
Type／Pellet（φ5mm）
Quantity／10kg

Features of PC

●Superior odor control for ammonia

●Superior absorbency

●Easy to clean

Bedding for Experimental Animals
By TAPVEI
CL-4169
Aspen Chips

Features of Aspen Chips

●Directly imported
　from nature-rich Finland

●Using Aspen wood with extremely
　little volatile component

●Dust is highly eliminated

●Strict quality control ensures
　high quality

GLP Aspen Bedding
tapvei.info@tapvei.com

CL-4140
Roll Paper
Dimensions／420mm×50m , 570mm×50m
Autoclavable

CL-4161
Clean Chips
Quantity／7kg
Product of USA Fir Tree

CL-4420
Cotton bags for sterilizing animal feed
Material／Cotton
100 bags per container

For better environment for experimental animals

CL-4162-1
Clea House（M）
Dimensions／115×170×50mm
Material／Recycled Paper
250pieces per box

CL-4162-2
Clea House（S）
Dimensions／85×115×30mm
Material／Recycled Paper
250pieces per box

CL-4162-2
Clea House（S）

CL-4162-1
Clea House（M）

By TAPVEI
Enrichment for Experimental Animals

1 Wooden wool

2 Mouse Cube
Dimensions／60×60×60mm

3 Mouse Stairs

4 Mouse Tunnel
Dimensions／100×45×45mm

5 Mouse Labyrinth
Dimensions／150×55×10mm

6 Mouse House
Dimensions／70×110×110mm

7 Double Bricks
Dimensions／100×60×25mm

8 Rabbit Bricks
Dimensions／65×60×25mm

9 Mouse Arcade
Dimensions／95×105×200mm

10 Corner
Dimensions／90×115×80mm
Board thickness／15mm

11 Double corners
Dimensions／200×200×90mm
Board thickness／15mm

12 Blocks
Dimensions／S：50×10×10mm
　　　　　　　M：100×20×20mm
　　　　　　　L：200×40×40mm

13 Tube S・L
Dimensions／S：100×75×75mm
　　　　　　　L：200×110×110mm
Usage／S: for mouse L: for rat

1 Assembling example

BEDDING & OTHERS

CL-4110
Jet Fog Type I

Tank Capacity／about 3.8 ℓ
Materials／Aluminum, Stainless Steel
Power Supply／AC 100V
Applications／Aerosol spray of insecticide,
air cleaning agent, deodorant, and disinfectant
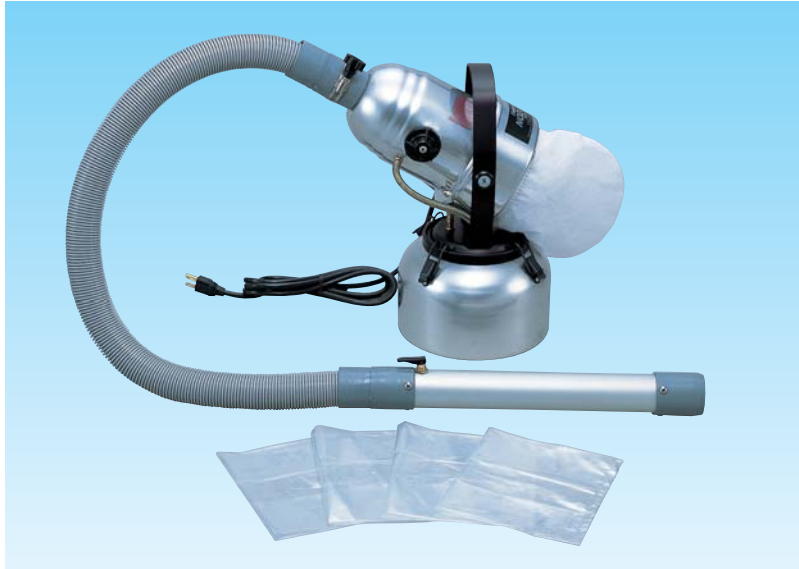
●Spray amount is not adjustable.

CL-4112
Jet Fog Type II

Tank Capacity／about 3.8 ℓ
Materials／Aluminum, Stainless Steel
Power Supply／AC 100V
Applications／Aerosol spray of insecticide,
air cleaning agent, deodorant, and disinfectant

●Spray amount is adjustable in four levels.

CL-4111
Turntable

Power Supply／AC 100V
Application／For Jet Fog

CL-4114
Nozzle Jet

Dimensions／
　Main Body：32cm（W）×29cm（D）×39cm（H）
　Hose Length：91cm , Nozzle：41cm
Weight／Main Body 5.4kg , Hose & Nozzle1.8kg
Tank Capacity／about3.8 ℓ

Spray volume	0〜300ml
Voltage AC	100V for general household
Frequency	50・60 Hz（Can be used nationwide）

Features of Nozzle Jet

●Lightweight and portability enable you to use it on carrying, as well as stationary.
●Easy to operate with a switch on a nozzle
●The spray volume is easily adjustable for chemical solution
●Ideal for pinpoint intensive spraying
●Safe and economical for indoor use since solution is localized and not spread to the air.

CL-4115
Shoulder handing Atomizer Type B

Weight／2.1kg　Capacity／5.0 ℓ

With a variable nozzle for four different types of spraying
Lightweight and durable stainless steel body

CL-4104
HI-CLEANII

Purpose of use／
Weak acid water generator for washing and disinfection.

The feature of HI-CLEANII

●Generate weak acid water with high bactericidal activity based on the hypochlorous acid
●Continuous generation of stable week acid water
●The history of pH is manageable
●It operates automatically when the faucet is opened

■ Outline

Model number	CL-4104-1	CL-4104-2
Type	TAK-900CL	TAK-1800CL
Dimensions	700×600×1070mm（Casters are included）	700×600×1200mm（Adjustment bolts are included）
Weight	About 100kg	About 100kg
Rated voltage	AC100V 1.1A 50/60Hz	
Amount of water generation	900-liters／h	1800-liters／h

CL-4103
Micro Spray
Wall-mounting Type J

Usage／Cleansing, Disinfection
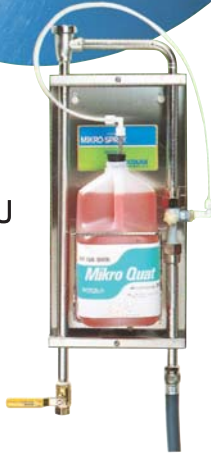
CL-4116
Porter Washer Type P

■Specifications for Porter Washer Type P

Discharge Rate	10 ℓ/min
Discharge pressure	Wash (with detergent) 25kg/cm^3 Rinse (with hot water) 50kg/cm^3
Operating Temperature	80℃（Max）
Motor	1.5hp 100/200V Totally enclosed fan cooled type
Hose	12m Withstanding pressure80kg/cm^3
Heated water inlet hose	with 3/4（1in）strainer
Detergent Container	3.8 ℓ Plastic
Dimensions	495×700×1,200mm

Exspor consists of base agent (Base) and active agent (Activator). When Activator is added to properly diluted Base, organic acid in Activator reacts with chlorite in Base to produce chlorous acid. The chlorous acid reacts with some ingredients in the cell wall or adventitia of microbes to produce chlorine compounds. Finally "chlorine dioxide" in the produced chlorine compounds shows disinfectant effect. When chlorine dioxide is consumed, this reaction keeps producing chlorine dioxide to ensure continuous disinfectant power. This is a distinguishing advantage of Exspor that intensive disinfectant effect is continuously activated when and where it is necessary.

Advantages of Exspor

● Superior disinfectant power of chlorine dioxide

● Extensive antibacterial spectrum

● High safety EPA certified

exspor

CL-4129
Exspor
Base（1gallon×2）
Activator (1gallon×2)

Examples of use

■Disinfectant speed and power

	Exspor	Aldehyde	Hypochlorite**	Phenol	Quaternary ammonium salt
Bacteria	1-3 minutes *	10 minutes	Unknown	Unknown	effective only for Gram positive bacteria
Virus	1-3 minutes *	10 minutes	Unknown	effective only for lipophilicity virus	effective only for lipophilicity virus
Fungi	1-3 minutes *	10 minutes	Unknown	slowly effective	Ineffective
Tubercle bacillus	1-3 minutes *	45～90 minutes	Unknown	effective	Ineffective
Pseudomonas aeruginosa	1-3 minutes *	10～20 minutes	Unknown	effective	Ineffective
Spore bearing bacteria	six hours	for 10 hours	Ineffective	ineffective	Ineffective

*　1 minute for less than 24 hours and 3 minutes for less than 2 weeks after mixture.
**　Easy to be deactivated by organic matter and disinfectant time can't be specified.

■Disinfectant speed and power

	Exspor	Aldehyde	Hypochlorite**	Phenol	Quaternary ammonium salt
toxicity	No	High	Low	moderate/high	Low
	No	High	High	moderate	Low
mucomembranous irritation	Low	High	High	Low	moderate
caustic	Low	Low	High	Low	Low
pungent odor	Faint	High	High	High	Unknown
disposal restriction	No	Unknown	Unknown	Unknown	Unknown

**　Easy to be deactivated by organic matter and disinfectant time can't be specified.　　　(Cf. Data sheets for Exspor by Alcide co.)

CL-3450
Silicon half-face mask

Caution: Exspor is highly safe agents but be sure to use gasmask, protective gloves, and protective goggles while sterilizing or disinfecting work. In addition, be sure to ventilate a room well.

CL-4120
Mikro Quat
（4 liters × 4 bottles）

This product is a nonionic agent, that mainly consists of quaternary ammonium salt (9% minimum), for cleansing, disinfectant, and deodorization.

Features of Mikro Quat

● Strong permeability to effectively remove unguinous waste. Superior disinfecting power
● Good deodorizing effect
● Please dilute 1:300 to 1:500 for use.

CL-4123
Mikro Klene
（4 liters × 4 bottles）

Iodine-based cleansing and disinfecting agent. Please dilute 1:600 to 1:1200 with cold water (below 40℃) for use.
For disinfection, it is effective to dilute it by 300 times.

Features of Mikro Klene

● All-purpose disinfectant that can clean and disinfect at the same time.
● Disinfectant power is not reduced even under existence of organic substances since its non-corrosiveness keeps residual effects.
● Proven effectiveness against tuberculocidal, fungicidal, staphlocidal and Pseudomonacidal by A.O.A.C. official testing protocol.
　(USDA registered number 1677-22)

■Relationship between dilution rate and effective iodine concentration

Dilution rate (Multiple)	Effective Iodine concentration (ppm)
1,200	12.5
600	25
300	50
200	75
150	100
100	150

■Test results for disinfectant efficacy

Agents	Dilution ratio (Multiple)	Duration of activity (in minute)			
		2.5	5.0	10.0	15.0
Mikro Quat	10,000	+	+	−	−
	11,000	+	+	−	−
	12,000	+	+	+	−
Mikro Klene	600	+	−	−	−
	650	+	+	−	−
	700	+	+	+	−
Carbolic acid	90	+	+	−	−
	100	+	+	+	−

● Test Method: Followed by Inspection Guideline for Disinfectant provided in Hygiene Inspection Guideline (Ⅰ) (Ⅱ)
● Bacterial species: Bacillus typhosus S-57　（Kanagawa Research Laboratory of Public Health）

CL-4121
Lime-A-Way（10kg）

Chlorine-based sodium hypochlorite (NaClO) solution. Please dilute 1:500 for cleansing and disinfecting cages, equipment, and breeding rooms.
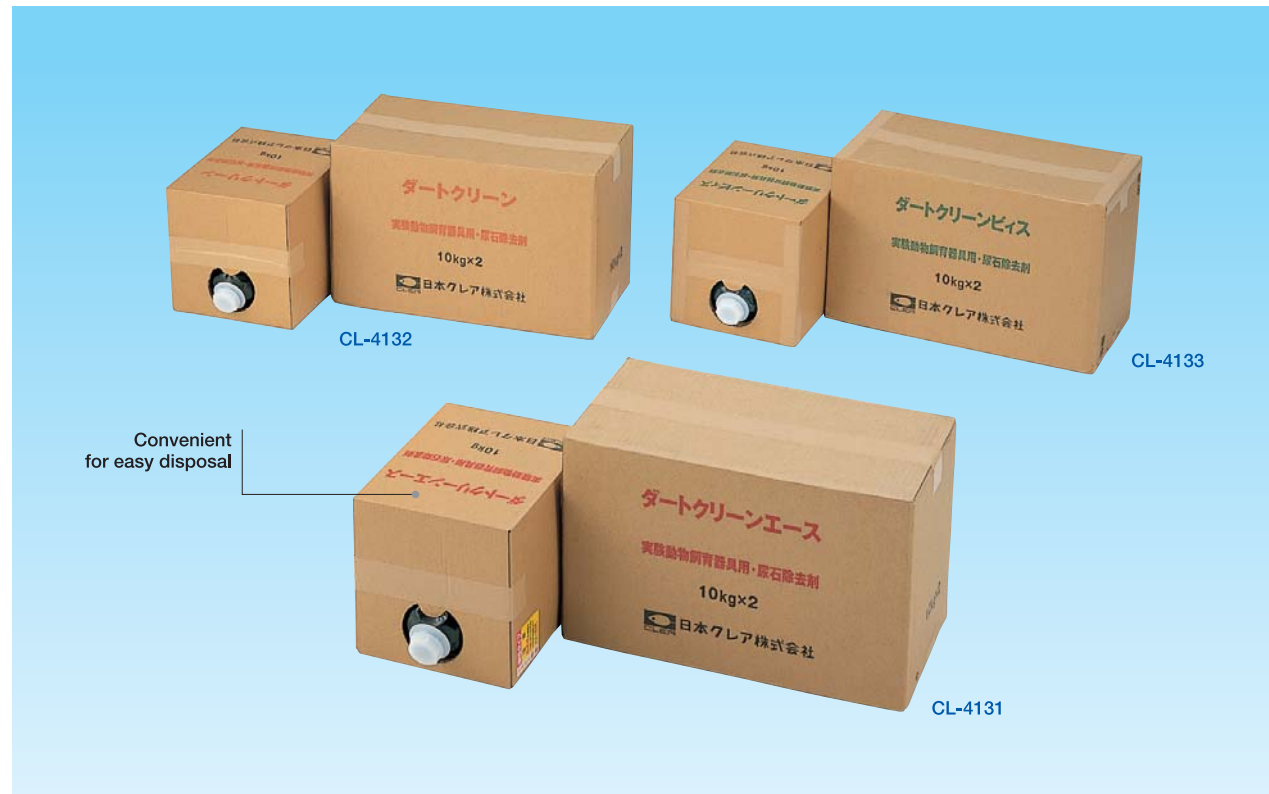
CL-4122
Fujilax（20kg）

CL-4127
Purelox-S（18ℓ）

CL-4126 TEGOING
Polyethylene container 10kg×2

Compound cleansing disinfectant of ampholytic and nonionic surfactant.
Superior disinfectant power without significant metallic corrosion or toxicity. Please dilute 1:100 to 1:600 for use.

CLEANSING AGENTS, DISINFECTANTS

CL-4132

CL-4133

Convenient for easy disposal

CL-4131

CL-4131
Dirt Clean Ace
（Rapid treatment type）
10kg container ×2

CL-4132
Dirt Clean Custom
（Immersion type）
10kg container ×2

CL-4133
Dirt Clean Vis
（Spotcleaning gell type）
10kg container ×2

Dirt Clean Series offer excellent detergency on the deposition of urinary calculus, water stain and excretory substance adhesive to the rearing equipment for experimental animals. They are all made from natural ingredients such as organic acids and you can use them with a sense of safety with very little corrosion to the rearing equipment. In addition, they promptly dissolve after drainage and good for preventing water pollution.

CL-4211
Laboratory Wear CLEA Type

This is a special order item with tetronic blended fabric (tetron 65%, cotton 35%). Please specify color, white or light blue.

CL-4290 Face mask (cotton)

CL-4295 Cap (cotton)

CL-4180 White half boots

■Specifications of CLEA type laboratory wear　※Women's model is also available　Unit：cm

Model Number	Size	Coat					Slacks					Suitable height and weight	
		Length	Shoulder Width	Chest girth	Sleeve length	Color	Length	Waist girth	Inside leg length	Inside arm length	Waist (Without zipper)	Height	Weight (kg)
CL-4211-1	LL	79	48	118	60	45	104	99	75	23	93	176	75
CL-4211-2	L	76	46	110	58	44	101	96	72	22	86	173	68
CL-4211-3	M	73	44	105	56	43	98	93	69	22	82	165	60
CL-4211-4	S	70	42	101	54	42	95	90	66	21.5	78	160	52

■Jumpsuit type laboratory wear （Unisex）　Unit：cm

	Size	Total Length	Shoulder width	Chest girth	Sleeve length	Waist girth	Inside leg length	Bottom Edge Width	Height	Weight (kg)
CL-4271-1	LL	166	49	116	61	98	77	23	176	75
CL-4271-2	L	161	48	112	59	94	74	22	173	70
CL-4271-3	M	156	47	108	57	90	71	22	165	60
CL-4271-4	S	151	46	102	55	86	68	12.5	160	52
CL-4271-5	SS	146	44	98	52	82	66	21	155	48

■Specifications of White half boots　Unit：cm

Ｓｉｚｅ	22.5	23.0	24.0	24.5	25.0	25.5	26.0	27.0	28.0

CL-4213
Dust-free garment (For men)

CL-4223
Dust-free garment (For women)

M, L, LL (XL), O (XXL) sizes are available
Please ask for caps, masks, gloves, shoes, and shoe covers separately.

Made of antistatic fiber by Toray Co.

Suitable for working when air shower is required.

EXPERIMENT,
WEAR,

CL-4291
Disposable masks (cup style)
50 masks／box

CL-4292
Disposable masks
2,000masks／package(50masks／box×40)

CL-4811
Vacuum cleaner for clean rooms
Utility Model 1004035 (Japan)

Vacume cleaner for the exclusive use in the places where high level cleanliness is required. It captures micro particles with three stages of barrier filters and prevents the scattering of bacteria by exhaust air during cleaning.

■Specifications of a vacuum cleaner for clean rooms

Model	CV-G104C
Body dimensions	W327×D283×H657mm
Power supply	100V50/60Hz
Power consumption	1kW
Suction work rate	320W
Dust removal	Paper dust collector
Dust collection capacity	About 4.5 ℓ
Cord	8m removable type
Weight	9.9kg（Including accessories 11kg）

CL-4801
Wet vacuum cleaner

This is a wet vacuum cleaner that powerfully sucks sewage and detergent bubbles remained after floor washing and quickly drains them.
A wide floor nozzle can suck water efficiently and clean wide space quickly.
Dry waste can be sucked by using a dry filter.

■Specifications of wet vacuum cleaner

Model	CV-98WH2
Body dimensions	W470×D450×H700mm
Power supply	100V50/60Hz
Power consumption	1kW
Suction work rate	150W
Dust removal	High-speed forced drainage
Dust collection capacity	About 20 ℓ
Cord	12m（With a ground clip for short circuit breaker）
Weight	20kg（Including accessories 21.5kg）