How it Works .......................................................... 3
Optimice ................................................................... 5
  Rack Assemblies ..................................................... 6
  Rack Options ........................................................... 7
  Auto-Water Racks .................................................... 8
  Cage Assemblies ...................................................... 9
  Cage Options .......................................................... 10
  Blockparty Cages and Cage Options ......................... 11
  Blockparty Cage Bases ............................................. 12
  Blockparty Tubes ..................................................... 13
  Single-Use Caging ................................................... 14
  Cage Bases/Accessories ........................................... 15
  Cage Tops & Parts ................................................... 16
  Cage Filters ............................................................. 18
  Cage Parts & Accessories ........................................ 19
  Cage Bottles ............................................................ 20
  Water Parts & Accessories ....................................... 21
  Cage Parts/Feeders ................................................. 22
  Cage Card Holders & Accessories ............................. 23
  Cage Dividers & Tox Floors ....................................... 24
  Other Accessories .................................................... 25
  Inhalation Caps & Nozzles ....................................... 26
SMART System .......................................................... 27
  Precise Temperature Control ...................................... 27
Ergomice ................................................................... 29
  50-Cage Racks ........................................................ 30
  70-Cage Racks ........................................................ 31
  80-Cage Racks ........................................................ 32
Transport Boxes .......................................................... 33
  Containers ............................................................... 33
Optirat Plus ............................................................... 34
  Rack Assemblies ..................................................... 35
  Auto-Water Racks .................................................... 36
  Cage Assemblies ...................................................... 37
  Cage Bases ............................................................. 38
  Cage Tops & Parts ................................................... 39
  Cage Filter Components ........................................... 40
  Bottles & Water Accessories ...................................... 42
  Cage Feeders .......................................................... 43
  Cage Parts & Accessories ........................................ 44
Optirat GenII .............................................................. 46
  Rack Assemblies & Options ....................................... 47
  Auto-Water Racks .................................................... 48
  Cage Assemblies ...................................................... 49
Contents

Cage Bases ........................................................................ 50
Cage Tops & Parts ........................................................... 51
Bottles & Water Accessories ........................................... 52
Bottle Caps & Auto-Water Parts ........................................ 54
Cage Filters ..................................................................... 55
Cage Feeders .................................................................... 57
Cage Parts & Accessories ................................................ 58

Material Handling ............................................................. 59
Bulk Trucks ...................................................................... 59
Carts & Accessory Baskets ................................................. 60
Racks & Tables .................................................................. 61
Baskets .............................................................................. 62
Change-Out Rack .............................................................. 63

Rack Accessories .............................................................. 64
Airflow ............................................................................. 64
Miscellaneous ................................................................... 65

Venting & Ducting ............................................................. 66
Duct Adapter Assemblies .................................................. 66
Hose Assemblies & Parts .................................................. 67
Flanges & Caps .................................................................. 68
Quatro Air .......................................................................... 69
For decades, bioresearch facilities have relied on negative air pressure containment to secure and handle the world’s most dangerous biological agents. The same principle extends to our exhaust ventilation technology, which uses negative pressure from the animal room exhaust system to draw and filter room air through cages and racks in a one-pass flow pattern, providing superior air quality and complete bioisolation between the cages and surrounding room. This technology eliminates airborne contaminants, including allergens, waste gases, and thermal loads at the cage level. Our caging systems improve and control air quality for animals, personnel, and the environment.

1. Fresh or HEPA-filtered air, represented in blue, is supplied by the building’s HVAC system to the animal room.

2. Because the racks are connected to the negatively pressurized exhaust system, this fresh air (blue arrows) is drawn into cages through their inlet filters at the appropriate flow rate to maintain the cage at the same temperature and relative humidity as the room.
Because the rack is ventilated by exhaust only, the cages are held at a negative pressure relative to the room, and the central plenum of the rotating carousel is negative relative to the cages. This completely eliminates the possibility of material traveling backward through the air path — a raft never drifts upstream against a river current. This constant but modest negative pressure facilitates a controlled, low-velocity, one-pass airflow pattern free from turbulence and excessive dry-air turnover.

In addition, all Animal Care Systems caging systems achieve a total volume air change within each cage, which results in exceptional air quality for the animals and a highly stable microenvironment.
Optimice®

Highest Cage Density in the Industry

Based on patented direct exhaust ventilation technology, Optimice boasts the highest cage density in the industry, optimizing the density-value equation.

Optimice can be positioned against a wall or next to another rack. By rotating the carousel using conveniently located handles on each platter, cages are easily accessed. There’s no need to waste space with large aisles, and no need to move racks for access. Simply stand in one place and bring the cages to you.

Because Optimice creates a low-stress, non-variable environment, it is ideal for housing and breeding research mice and delicate strains. Optimice cages bio-exclude and bio-isolate, and can be used for quarantine and biocontainment.

Optimice is simply the best possible system for optimizing space and enhancing the quality of life for animals and their caregivers.

Caging Accessories

We offer a full range of standard and custom accessories designed to optimize our caging systems and maximize the efficacy of lab animal research.

Optimice features

- Small footprint, ultra-high density
- No motors, blowers, noise, or vibration
- Eliminates odors and allergens in the animal room
- Low-stress environment
- Available single-use caging, interchangeable in Optimice racks

Same operating principles as all Animal Care Systems racks

- Complete biocontainment and isolation
- Low-velocity, one-pass airflow with total volume air changes
- Lightweight, easy to maintain
- Simple cage assemblies with as few as three component parts

Optional automatic watering options

- Valve-on-cage (VOC)
- Valve-on-rack (VOR)
- Removable valve-on-rack (RVOR)
All Optimice racks have four 4-inch swivel casters; two casters have locks.
Optimice®

Custom-length Exhaust Hoses
Replaces standard 6-foot hoses with desired length, represented by XX in the part number below. Maximum length: 25 feet.
Product: C78HXX

External Water Bottles
Replaces standard cage tops with external bottle top and C79123 M/P/S bottle assembly.
Polysulfone: C78020PB
Polysulfone Smoke: C78020SB
Polycarbonate: C78020MB

External Water Bags
Replaces standard cage tops with external water bag tops and omits the bottle assemblies.
Polysulfone: C78020PH
Polysulfone Smoke: C78020SH
Polycarbonate: C78020MH

Internal Water Bags
Replaces standard water bottles with polysulfone internal water bag adapter.
Polysulfone: C78021PH

Filtered Cage Tops
Replaces standard cage tops with those containing an additional inlet air filter.
- Polysulfone: C78220PFF
- Polysulfone Smoke: C78220SFF
- Polycarbonate: C78220MFF

Manual Feed Port
Replaces standard cage tops with those equipped with a spring-loaded manual feed port.
- Polysulfone: C78231P
- Polysulfone Smoke: C78231S
- Polycarbonate: C78231M

Surgical Implant Feeder-Bottle Guard
Replaces standard water bottle and feeder with a feeder-bottle guard.
- Polysulfone: C78130P
- Polysulfone Smoke: C78130S
- Polycarbonate: C78130M

Rack options may be ordered only with rack assemblies.
Optimice®

Rack options may be ordered only with rack assemblies.

Optimice Bare Rack Assemblies
No cages.

With Fixed Rack-Mounted Edstrom Valves
Compatible with C79102(M/P/S)FF Optimice auto-water cages.
Product: C77302

Removable Edstrom Valve Option
Add to above rack to change valves to removable type.
Option: C78120

Ready for Cage-Mounted Edstrom Valves
Compatible with C79101(M/P/S)FF Optimice auto-water cages. Valves not included with rack; all other auto-water provisions included.
Product: C77301

Ready For Cage-Mounted SE Lab Group Valves
Compatible with C79105(M/P/S)FF Optimice auto-water cages. Valves not included with rack; all other auto-water provisions included.
Product: C77305

With Auto-Water, No Valves or Valve Couplings*
Cage compatibility depends on valve selection.
Product: C77602

Optimice Full Rack Assemblies

With Fixed Rack-Mounted Edstrom Valves
Includes C79102(M/P/S)FF Optimice auto-water cages.
Polysulfone: C89302PFF
Polysulfone Smoke: C89302SFF
Polycarbonate: C89302MFF

Removable Edstrom Valve Option
Add to above rack to change valves to removable type.
Option: C78120

With Cage-Mounted Edstrom Valves
Includes C79101(M/P/S)FF Optimice auto-water cages.
Polysulfone: C89300PFF
Polysulfone Smoke: C89300SFF
Polycarbonate: C89300MFF

With Fixed Rack-Mounted SE Lab Group Valves
Includes C79102(M/P/S)FF Optimice auto-water cages.
Polysulfone: C89307PFF
Polysulfone Smoke: C89307SFF
Polycarbonate: C89307MFF

Removable SE Lab Group Valve Option
Add to above rack to change valves to removable type.
Option: C78122

With Cage-Mounted SE Lab Group Valves
Includes C79105(M/P/S)FF Optimice auto-water cages.
Polysulfone: C89305PFF
Polysulfone Smoke: C89305SFF
Polycarbonate: C89305MFF

* Rack is plumbed for auto-water; however, valves/valve couplings must be acquired and installed before the auto-water system can be used.
Optimice®

Optimice Auto-Water VOC Cage Assembly
Cage-mounted watering valve. Includes standard feeder.
With SE Lab Valve:
- Polysulfone: C79105PFF
- Polysulfone Smoke: C79105SFF
- Polycarbonate: C79105MFF
With Edstrom Valve:
- Polysulfone: C79101PFF
- Polysulfone Smoke: C79101SFF
- Polycarbonate: C79101MFF

Optimice Basic Cage Assembly
Includes internal water bottle and standard feeder.
- Polysulfone: C79100PFF
- Polysulfone Smoke: C79100SFF
- Polycarbonate: C79100MFF

Red Optimice Basic Cage Assembly
Available in polycarbonate only. Includes internal water bottle and standard feeder.
Product: C79100MREDFF

Optimice Basic Cage Assembly with External Water Bottle
Includes external water bottle and standard feeder.
- Polysulfone: C79104PFF
- Polysulfone Smoke: C79104SFF
- Polycarbonate: C79104MFF

Optimice Auto-Water VOR Cage Assembly
Accommodates rack mounted valves (Edstrom or SE Lab; fixed or removable). Includes standard feeder.
- Polysulfone: C79102PFF
- Polysulfone Smoke: C79102SFF
- Polycarbonate: C79102MFF

Optimice Basic Cage Assembly
Available in polycarbonate only. Includes internal water bottle and standard feeder.

Back to Table of Contents
**Filtered Cage Top**
Replaces standard cage top with one containing an additional inlet air filter. C79070 filter included.
- Polysulfone: C78210PFF
- Polysulfone Smoke: C78210PFF
- Polycarbonate: C78210PFF

**Manual Feed Port Top**
Replaces standard cage top with one equipped with a spring-loaded manual feed port.
- Polysulfone: C78230P
- Polysulfone Smoke: C78230S
- Polycarbonate: C78230M

**External Water Bottle Top**
Replaces the standard cage top and water bottle with a top containing a recess for an external water bottle and the necessary C79123 bottle assembly.
- Polysulfone: C78240PB
- Polysulfone Smoke: C78240SB
- Polycarbonate: C78240MB

**External Water Bag Top**
Replaces standard cage top with one equipped to hold an external water bag and deletes the standard water bottle.
- Polysulfone: C78240PH
- Polysulfone Smoke: C78240SH
- Polycarbonate: C78240MH

**Internal Water Bag**
Replaces the standard water bottle with the polysulfone internal water bag holder.
- Product: C78241PH

**Filtered Cage Top**
Replaces standard cage top with one containing an additional inlet air filter. C79070 filter included.
- Polysulfone: C78210PFF
- Polysulfone Smoke: C78210PFF
- Polycarbonate: C78210PFF

**Manual Feed Port Top**
Replaces standard cage top with one equipped with a spring-loaded manual feed port.
- Polysulfone: C78230P
- Polysulfone Smoke: C78230S
- Polycarbonate: C78230M

**External Water Bottle Top**
Replaces the standard cage top and water bottle with a top containing a recess for an external water bottle and the necessary C79123 bottle assembly.
- Polysulfone: C78240PB
- Polysulfone Smoke: C78240SB
- Polycarbonate: C78240MB

**External Water Bag Top**
Replaces standard cage top with one equipped to hold an external water bag and deletes the standard water bottle.
- Polysulfone: C78240PH
- Polysulfone Smoke: C78240SH
- Polycarbonate: C78240MH

**Internal Water Bag**
Replaces the standard water bottle with the polysulfone internal water bag holder.
- Product: C78241PH

**Surgical Implant Feeder-Bottle Guard**
Replaces standard water bottle and feeder with a feeder-bottle guard.
- Polysulfone: C78030P
- Polysulfone Smoke: C78030S
- Polycarbonate: C78030M
The Blockparty accessory option allows groups of two or more cages within the same level of a rack to be connected to combine living quarters. When the connecting tubes are removed, spring-loaded doors automatically close to block the openings. Available cages are compatible with all styles of Optimice racks.

**Blockparty Cage Options**
Add an option to the indicated cage or rack assembly to replace the existing cage base with one equipped for Blockparty.

**Basic (Bottle or Bag Watering)**
Add to C79100(P/S/M)FF complete cage assembly or basic rack assembly.
Product: C78250PBPDFF

**Basic Red Polycarbonate**
Add to C79100MRED complete cage assembly or basic rack assembly.
Product: C78250MREDBPD

**Auto-Water Red, Rack-Mounted Valve**
Add to C79102MREDFF complete cage assembly. Use appropriate quantity for auto-water rack assembly with rack-mounted valves.
Product: C78252MREDBPDFF

**Auto-Water, Rack-Mounted Valve**
Add to C79102(P/S/M)FF complete cage assembly. Use appropriate quantity for auto-water rack assembly with rack-mounted valves.
Product: C78252PBPDFF

**Auto-Water, Cage-Mounted Valve**
Add to C79101(P/S/M)FF or C79105(P/S/M)FF complete cage assembly or auto-water rack assembly with cage-mounted valves.
Product: C78251PBPDFF

**Cage Upgrade**
This option will retrofit existing customer cages to Blockparty cages. *(Customer is responsible for shipment of cages to and from the Animal Care Systems warehouse.)*
Product: C79BPUPGRADE
**Optimice Blockparty Cage Bases**
Cage bases include filters, cage card adapter, and applicable auto-watering provisions. Cage tops, bottles, and feeders (all interchangeable with standard Optimice caging) are not included. Blockparty connecting tubes also must be ordered separately.

**Basic (Bottle or Bag Watering)**
- Polysulfone: C79110PBPDFF
- Polysulfone Smoke: C79110SBPDFF
- Polycarbonate: C79110MBPDFF

**Auto-Water, Cage-Mounted Valve Ready**
Cage bases do not include watering valves.
- Polysulfone: C79111PBPDFF
- Polysulfone Smoke: C79111SBPDFF
- Polycarbonate: C79111MBPDFF

**Auto-Water, Rack-Mounted Valve Ready**
- Polysulfone: C79112PBPDFF
- Polysulfone Smoke: C79112SBPDFF
- Polycarbonate: C79112MBPDFF

---

**Basic Red Polycarbonate**
Product: C79110MREDBPDFF

**Auto-Water, Cage-Mounted Valve Ready**
Cage bases do not include watering valves.
Product: C79111MREDBPDFF
**Blockparty Connecting Tube Assemblies**
Connecting tubes simply press into ports on cages. A detent locks the connection, and a mildly firm pull releases the connection. Available in amber or red color. Constructed from Radel R and sterilizable.
Amber: C79BP050
Red: C79BP050RED

**Individual Blockparty Tube Components**

**Bare Tube Half**
Plastic tube half only; two required per tube assembly.
Amber: C43BP050
Red: C43BP050RED

**End Connector**
Blue anodized aluminum. Sold individually (two required per tube assembly).
Product: C40BP050

**O-Ring**
Provides the necessary air-tight seal when tube is installed.
Product: C32BP010
orders are for full boxes, unless otherwise noted. box quantities are noted in each product description.

single-use cage base
packaged 26 per box.
product: dbase2

single-use water bottle assembly
includes bottle and cap; sold 128 per box.
product: c79722

bedding
please contact your local sales representative for more information.
product: c49100c

single-use docking tray
allows a rack to accept single-use caging; trays are reusable.
product: dtray

single-use cage top types
feeders and cage card holders are included with cage tops. boxes contain 32 of each.

single-use cage top for water bag
product: dtop3.hyd

single-use cage top for water bottle
product: dtop3.bot
**Basic Cage Base Assembly**
Includes cage card adapter kit and filters.
- Polysulfone: C79110PFF
- Polysulfone Smoke: C79110SFF
- Polycarbonate: C79110MFF

**Auto-Water Cage Base Assembly**
Accommodates rack-mounted water valves. Includes cage card adapter kit and filters.
- Polysulfone: C79112PFF
- Polysulfone Smoke: C79112SFF
- Polycarbonate: C79112MFF

**Auto-Water Cage Base Assembly**
For cage-mounted water valves; valves provided separately. Includes cage card adapter kit and filters.
- Polysulfone: C79111PFF
- Polysulfone Smoke: C79111SFF
- Polycarbonate: C79111MFF

**Optimice Auto-Water Pre-charge Station**
Purge trapped air from cage-mounted valves before use.
- Edstrom Product: C79360
- SE Lab Product: C79365

**Optimice Cage Base Skid**
Placed at the bottom of a stack of cages, the cage skid enables sliding short cage stacks across floors; for tall stacks, the bulk cart is recommended.
- Product: C79390

**Basic Red Cage Base Assembly**
Available in polycarbonate only.
Includes cage card adapter kit and filters.
- Product: C79110MREDFF

**Compatible Valves**
- Edstrom Product: M45050
- SE Lab Product: C45021
Standard Cage Top Assembly
Polysulfone: C79290P
Polysulfone Smoke: C79290S
Polycarbonate: C79290M

Standard Red Cage Top Assembly
Available in polycarbonate only.
Product: C79290MRED

External Water Bottle Cage Top Assembly
Accommodates C79123 water bottle.
Polysulfone: C79290PB
Polysulfone Smoke: C79290SB
Polycarbonate: C79290MB

External Water Bag Cage Top Assembly
C79280 cage top plug available upon request.
Polysulfone: C79290PH
Polysulfone Smoke: C79290SH
Polycarbonate: C79290MH

Filtered Cage Top Assembly
Standard cage top equipped with an additional inlet air filter.
Polysulfone: C79290FPFF
Polysulfone Smoke: C79290FSFF
Polycarbonate: C79290FMFF

Wire Bar Cage Top Assembly
Allows a standard cage to ventilate statically. Do not use on cages installed in Optimice rack.
Product: C79295
Manual Feed Port Cage Top
Equipped with a spring-loaded manual feed port.
Polysulfone: C79292P
Polysulfone Smoke: C79292S
Polycarbonate: C79292M

Optimice Cage Top Clip
Replacement latching clips, sold as individual.
Product: C43170
Replacement screws: C30120

Inhalation Cage Top Assembly
Allows for controlled introduction of various gas compounds.
Product: C79400
Optimice®

Optimice Flat Filter Assembly
Product: C79070

Filter Flange
Product: C40135

Filter Seal Clip
Product: C79070SLCG
with

Filter Seal
Product: C79070SEAG

40 Mesh Screen
Product: C79070S40

Reemay Filter Media
Product: C79070FLT

16 Mesh Screen
Product: C79070S16

Filter Retainer
Product: C79070RET

Optimice Pleated Filter Assembly
Product: C79073

Flat Filter Table Top Fixture Kit
Includes 1 table top fixture with clamps, 2 press tools, 1 pair pliers
Product: C79070TTF1
**Optimice®**

**Metering Bottle and Holder Assembly**
Includes two (2) autoclavable metering bottles and holder.
Product: C79125

**Metering Bottle Only**
Autoclavable
Product: C79135

**Light-sensitive Bottle and Holder Assembly**
Includes two (2) light-sensitive bottles and one holder; bottle not autoclavable.
Product: C79125A

**Light Sensitive Bottle Only**
Product: C79135A

**Optimice Double Water Bag Holder for Divided Cage**
Double water bag holder made from stainless steel with polycarbonate windows to easily view water levels. Holds two 250-mL water bags. Compatible with both polycarbonate and stainless steel dividers.
Product: C79336

**Optimice Bottle Hanger**
Product: C40320
**Optimice®**

### Optimice External Bottle Assembly
Available in polysulfone only.
Product: C79123P
Polysulfone: C79123P
Polysulfone Smoke: C79123S
Polycarbonate: C79123M

**Bottle without Cap**
Polysulfone: C79132P
Polysulfone Smoke: C79132S
Polycarbonate: C79132M

### Optimice Internal Bottle Assembly
Includes hanger and cap.
Capacity: 400 mL
Polysulfone: C79122P
Polysulfone Smoke: C79122S
Polycarbonate: C79122M

**Bottle without Cap**
Polysulfone: C79132P
Polysulfone Smoke: C79132S
Polycarbonate: C79132M

### Black Bottle Assembly
Available in polysulfone only.
Includes hanger and cap.
Capacity: 400 mL
Product: C79122PBLK

**Bottle without Cap**
Product: C79132PBLK

### Red Bottle Assembly
Available in polysulfone only.
Includes hanger and cap.
Capacity: 400 mL
Product: C79122PRED

**Bottle without Cap**
Product: C79132PRED

### Optimice Internal Water Bag Holder Assembly
Product: C79126

### Optimice Internal Water Bag Holder Assembly
Includes hanger and cap.
Capacity: 400 mL
Polysulfone: C79123P
Polysulfone Smoke: C79123S
Polycarbonate: C79123M

### Optimice Internal Water Bag Holder Assembly
Product: C79126

### Optimice Bottle Seal
Product: C41050

---

*Back to Table of Contents*
Standard Internal Bottle Cap
Product: C40150

Ball Sipper Tube Bottle Cap
Ball provides a better seal with fewer incidental drips.
Product: C40153

External Bottle Cap
Allows bottles to fit the external bottle cage top.
Product: C40152

Watering Valves, Rack-Mount Removable
Valve: C45027A
Air Seal: C45160

Watering Valves, Cage-Mount
Edstrom: M45050
SE Lab: C45021

Edstrom Auto-Water Deprivation Cap
Product: M45055
Optimice®

**Optimice Standard Feeder**
All stainless with scruffing grid. Capacity: 510 cubic centimeters (31 cubic inches)
Product: C40101SG

**Optimice High Clearance Feeder**
Provides increased clearance between feeder bottom and cage floor.
Product: C40106

**Optimice Large Capacity Feeder**
Capacity: 721 cubic centimeters (44 cubic inches)
Product: C40103
*With Scruffing Grid*
Product: C40103SG

**Optimice J-Feeder**
For powdered or fine pellet feed. Capacity: 500 cubic centimeters (30 cubic inches)
Product: C40180

**Surgical Implant Feeder-Bottle Guard Assembly**
A special trough feeder and water bottle that minimizes the risk of damage to head implants. Feed capacity: 100 cubic centimeters (6 cubic inches); bottle capacity: 236 mL
Product: C79130

**Feeder Guard Only**
Product: C40328

**Water Bottle Only**
Product: C79140

**Optimice Feeder Bottom Guard**
Guard prevents mice from going under the feeder. Can be used in the standard feeder hanging position or with a Unimice Cage Divider.
Product: C40110
**Optimice®**

**Cage Card Holder & Accessories**

**Cage Card Adapter Kit**
Includes card holder and adapter.
Product: C79253

**Cage Card Holder**
Fits standard 3-inch x 5-inch cards.
Product: C43251

**Cage Card Adapter**
Sterilizable.
Product: C43250

**Cage Cards**
Five colors available.
2.5-by-5-inch: C52011
3-by-5-inch: M52010

**Stainless Steel Cage Card Adapter Kit**
Product: C79252

**Stainless Steel Cage Card Holder**
Product: C40252

Back to Table of Contents
Optimice®

Unimice Polycarbonate Cage Divider Kits
Divide living quarters and food access; includes C40102 feeder. Not for use with auto-water cages. Water bottles must be ordered separately.
Standard (shown): C79170M
Tox Floor Compatible: C79172M
Social Holes: C79173M

Individual Component Parts:
Front Clip: C40160
Rear Clip: C40161
Feeder: C40102

Unimice Stainless Steel Cage Divider Kit
Divide living quarters and food access; includes C40104 feeder. For use with auto-water cages or water bottles. Water bottles must be ordered separately.
Standard: C79171
Standard*: C79174
Social Holes: C79171SOC
Social Holes*: C79174SOC
*For use without bottle

Unimice Universal Stainless Steel Cage Divider
Compatible with auto-water; one water bottle must be present. Does not include feeder.
Standard: C40331
Social Holes: C40331
Feeder: C40104
Non-Auto-water: C40336

Unimice Wire Bar Tox Floor
Large openings for thorough waste isolation.
Product: C40173

Optimice Standard Tox Floor
Stamped from flat sheet, more gentle on feet.
Product: C40170

Unimice Stainless Steel Cage Divider Kit
For use without bottle

Unimice Universal Stainless Steel Cage Divider
Compatible with auto-water; one water bottle must be present. Does not include feeder.
Standard: C40331
Social Holes: C40331
Feeder: C40104
Non-Auto-water: C40336
**Optimice Cage Top Prop**
Suspends open cage top to avoid contamination from setting down.
Dimensions (L x W x H): 12 x 14.25 x 11 inches (30.5 x 36.2 x 28 cm)
Product: C61030

**Gas Alert Extreme Single Gas Detector for NH3**
Product: C79NH3KIT1

**DomicelSLE**
3-inch-high, polycarbonate construction; sterilizable.
Single Product: C43810
Box of 50: C43810-50
Box of 250: C43810-250
Optimice®

**Front Nozzle**
Use with rear cap or rear nozzle.
Product: C7907FN

**Rear Nozzle**
Use with front cap or front nozzle.
Product: C7907RN

**Rear Cap**
Use with front nozzle or with front cap and inhalation cage top.
Product: C7907RC

**Front Cap**
Use with rear nozzle or with rear cap and inhalation cage top.
Product: C7907FC

Back to Table of Contents
The SMART System offers heated comfort under a portion of the cage floor. The mice thermoneutral zone is between 26 and 34 degrees Celsius; however typical housing rooms are kept between 21 and 26 °C. Cold-stressed mice develop dramatic changes in physiology, behavior, and immune function and skew experimental results. Robust mice cope by using nesting material, but many mice benefit from having thermal support.

Like our other carousel-style racks, the SMART System can be positioned against a wall or next to another rack. The rotating carousel provides easy cage access without moving racks or forming large aisles. Simply stand in one place, and bring the cages to you. The SMART System.

### Caging Accessories

We offer a full range of standard and custom accessories designed to optimize our caging systems and maximize the efficacy of lab animal research.

#### SMART System features
- Precise temperature control
- Self-selected thermal comfort
- No more unsafe solution
- Stress reduction in animals
- Uses existing Optimice cages

#### SMART System has the same operating principles as all Animal Care Systems racks
- One-pass, low-velocity airflow and total volume air changes
- No electric motors, no vibration
- Complete biological isolation and containment

### SMART System Dimensions

<table>
<thead>
<tr>
<th></th>
<th>Depth in. (mm)</th>
<th>Width in. (mm)</th>
<th>Height in. (mm)</th>
<th>Weight lbs (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full rack with flagged cards</td>
<td>43.75 (1110)</td>
<td>48.75 (1240)</td>
<td></td>
<td>210</td>
</tr>
<tr>
<td>Full rack with card holders</td>
<td>40.5 (1030)</td>
<td>48.75 (1240)</td>
<td>50.44 (1280)</td>
<td>166</td>
</tr>
<tr>
<td>Empty rack</td>
<td>32.75 (830)</td>
<td>48.75 (1240)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
SMART System

SMART System: cages not included

Product: Smartsys-0100

Includes the following products:

High-temperature 6-foot Flex Hose Assembly
Standard hose shipped with all racks.

Rack Status Monitor Kit
Install on existing rack for continuous airflow monitoring.

Damper Assembly
Restrict excessive airflow; 3-inch connection (pictured right of rack status monitor)

*For SMART System options, see Optimice caging and accessory section
Animal Care Systems’ Ergomice provides a compact and ergonomic caging system with all the features and benefits of our Optimice system.

The Ergomice line of racks provides a lightweight, lower-cost alternative to the Optimice caging, and is available in 50-, 70-, or 80-cage capacities. The 70-cage model eliminates the bottom three levels to minimize the need to bend down for access, while the 80-cage model has reduced height to accommodate shorter personnel; the 50-cage model incorporates both of these features but has the lowest animal density.

Ergomice racks use our standard Optimice cages and accessories, which are available in polycarbonate or two types of polysulfone plastic. While the 80-cage configuration has all the same watering options as Optimice, the 50- and 70-cage versions are not available with auto-watering options; bottles and other individual cage watering options are available (external bottles, water pouches, etc.).

### Optimice Form and Function, Superior Ergonomics

- No noise or vibration
- Saves energy
- Extremely lightweight
- Easy and comfortable handling and maintenance
- Eliminates allergens and odors
- Low-velocity, one-pass airflow, and total volume air change
- Shares Optimice caging and accessories
- Available in three capacities: 50-, 70-, and 80-cage
Ergomice® 50-Cage

Ergomice 50-Cage Racks

**Ergomice Bare Rack Assembly Only**
No cages.
Product: C77250

**Ergomice Full Rack Assembly**
Cages included.
Polysulfone: C89150PFF
Polysulfone Smoke: C89150SFF
Polycarbonate: C89150MFF

Ergomice 50-Cage Rack Options

**External Water Bags**
Replaces standard cage tops with external water bag tops and omits the bottle assemblies.
Polysulfone: C78025PH
Polysulfone Smoke: C78025SH
Polycarbonate: C78025MH

**External Water Bottles**
Replaces standard cage tops with external bottle top and C79123(P/S/M) bottle assembly.
Polysulfone: C78025PB
Polysulfone Smoke: C78025SB
Polycarbonate: C78025MB

<table>
<thead>
<tr>
<th>Ergomice 50 Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Depth</strong></td>
</tr>
<tr>
<td><strong>Inches (cm)</strong></td>
</tr>
<tr>
<td><strong>With cages</strong></td>
</tr>
<tr>
<td><strong>Without cages</strong></td>
</tr>
</tbody>
</table>

All Ergomice racks have four 4-inch swivel casters; two casters have locks.
Ergomice® 70-Cage

Ergomice 70-Cage Racks

Ergomice Bare Rack Assembly Only
No cages.
Product: C77270

Ergomice Full Rack Assembly
Cages included.
Polysulfone: C89170PFF
Polysulfone Smoke: C89170SFF
Polycarbonate: C89170MFF

Ergomice 70-Cage Rack Options

External Water Bags
Replaces standard cage tops with external water bag tops and omits the bottle assemblies.
Polysulfone: C78027PH
Polysulfone Smoke: C78027SH
Polycarbonate: C78027MH

External Water Bottles
Replaces standard cage tops with external bottle top and C79123(P/S/M) bottle assembly.
Polysulfone: C78027PB
Polysulfone Smoke: C78027SB
Polycarbonate: C78027MB

All Ergomice racks have four 4-inch swivel casters; two casters have locks

<table>
<thead>
<tr>
<th>Ergomice 70 Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Inches (cm)</strong></td>
</tr>
<tr>
<td><strong>Depth</strong></td>
</tr>
<tr>
<td><strong>Width</strong></td>
</tr>
<tr>
<td><strong>Height</strong></td>
</tr>
<tr>
<td>With cages</td>
</tr>
<tr>
<td>40.5 (102.9)</td>
</tr>
<tr>
<td>40.5 (102.9)</td>
</tr>
<tr>
<td>77.1 (195.8)</td>
</tr>
<tr>
<td>Without cages</td>
</tr>
<tr>
<td>33.8 (85.6)</td>
</tr>
<tr>
<td>39.8 (101.1)</td>
</tr>
</tbody>
</table>

Back to Table of Contents
Ergomice® 80-Cage

Ergomice 80-Cage Racks

**Ergomice Bare Rack Assembly Only**
No cages.

Product: C77280

**Ergomice Full Rack Assembly**
Cages included.

Polysulfone: C89180PFF
Polysulfone Smoke: C89180SFF
Polycarbonate: C89180MFF

**Ergomice 80-Cage Rack Options**

**External Water Bags**
Replaces standard cage tops with external water bag tops and omits the bottle assemblies.

Polysulfone: C78028PH
Polysulfone Smoke: C78028SH
Polycarbonate: C78028MH

**External Water Bottles**
Replaces standard cage tops with external bottle top and C79123(P/S/M) bottle assembly.

Polysulfone: C78028PB
Polysulfone Smoke: C78028SB
Polycarbonate: C78028MB

<table>
<thead>
<tr>
<th>Ergomice 80 Dimensions</th>
<th>Depth</th>
<th>Width</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Inches (cm)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>With cages</td>
<td>40.5</td>
<td>40.5</td>
<td>63.9</td>
</tr>
<tr>
<td></td>
<td>(102.9)</td>
<td>(102.9)</td>
<td>(162.3)</td>
</tr>
<tr>
<td>Without cages</td>
<td>33.8</td>
<td>39.8</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(85.6)</td>
<td>(101.1)</td>
<td></td>
</tr>
</tbody>
</table>

All Ergomice racks have four 4-inch swivel casters; two casters have locks.
Animal Care Systems offers ground transport boxes for shipping your research rodents safely and conveniently. These containers are sturdier than cardboard boxes, ship flat, and are economical. Each box can be easily divided and all lids are equipped with a viewing window. For sales outside North America, please contact Triple A Trading.

Features:
• Made from 3-mm white polypropylene Akylux
• Durable, lightweight, reusable, recyclable
• Washable and sterilizable at 121 degrees Celsius (250 F) for 20 minutes
• Easily divide boxes into 2 or 4 compartments
• Filters are protected from animals by a fine wire mesh
• Window flap for easy inspection of animals
• Opaque plastic protects animals from bright light and being viewed in public spaces
• Ships flat, saving on transport costs
• Easy to fold and assemble — no staples or tape needed

Filter Media
Cooltexx 2693, 70 g/m²

Large Box for Rats or Mice
Maximum floor space = 200 square inches (1290 square centimeters). Dividable into 2 or 4 compartments.

Small Box for Mice
Maximum floor space = 100 square inches (645 square centimeters). Dividable into 2 compartments.

<table>
<thead>
<tr>
<th>Transport Box</th>
<th>Assembled Dimensions</th>
<th>Depth</th>
<th>Width</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small box</td>
<td></td>
<td>11.8  (30)</td>
<td>8.5  (21.5)</td>
<td>6.3  (16)</td>
</tr>
<tr>
<td>Large box</td>
<td></td>
<td>16.9  (43)</td>
<td>11.8  (30)</td>
<td>6.3  (16)</td>
</tr>
</tbody>
</table>
Optirat® Plus

Our Largest, Most Advanced Cages
Optirat Plus combines our proven motor-free, exhaust-ventilated technology and high-density carousel design with vastly increased cage volume while improving ease of use and maintenance. The feeder is located near the rear of the cage for improved visibility, and the water bottles are externally located to allow changing without opening cages. Optirat Plus racks each contain 30 cages, arrayed in six levels of five cages per level, and each cage is equipped with a 1.1-liter feeder and two 500-mL water bottles or optional water bag adapters; auto-watering is also available.

As with all Animal Care Systems racks, Optirat Plus meets domestic and international housing recommendations and exceeds animal comfort guidelines while providing high-density caging for rats. Like our other carousel-style racks, Optirat Plus can be positioned against a wall or next to another rack. The rotating carousel provides easy cage access without moving racks or forming large aisles. Simply stand in one place and bring the cages to you. Optirat Plus also can house hamsters, gerbils, guinea pigs, deer mice, and wild-caught rodents. The cage is suitable for invertebrates, as well.

Caging Accessories
We offer a full range of standard and custom accessories designed to optimize our caging systems and maximize the efficacy of lab animal research.

Optirat Plus features
- Ultra-large cages; improved height and floor area
- Optional mezzanine further expands living space
- Externally accessible water bottles
- Inexpensive replacement filters
- Flat-bottom cage bases
- Integrated cage card holder

Same operating principles as all Animal Care Systems racks
- One-pass, low-velocity airflow with total volume air changes
- No electric motors, no energy consumption, no vibration
- Simple cage assemblies with as few as three component parts
- Complete biological isolation and containment

Optional automatic watering options
- Valve-on-cage (VOC)
- Valve-on-rack (VOR)
- Removable valve-on-rack (RVOR)

Back to Table of Contents
Basic Optirat Plus Racks
Water bottles or water bags.

Bare Rack Assembly
No cages.
Product: CP77R100

Full Rack Assembly with Water Bottles
Complete cage assemblies included.
Polysulfone: CP86100P
Polycarbonate: CP86100M†

Full Rack Assembly for use with Water Bags
No water bottles. Includes stainless steel water bag valve, CP45Q100. Includes water bag adapter, CP43T110.
Polysulfone: CP86101P
Polycarbonate: CP86101M†

†Polycarbonate orders must meet minimum quantities.

All Optirat Plus racks have four 4-inch swivel casters; two casters have locks.
Optirat® Plus

Optirat Plus Bare Rack Assemblies
No cages.

With Rack-Mounted Edstrom Valves
Compatible with CP79C202(P/M) Optirat Plus auto-water cages.
Product: CP77R202

Removable Valve Option
Add to above rack to change valves to removable type.
Option: CP75R120

Ready For Cage-Mounted Edstrom Valves
Compatible with CP79C200(P/M) Optirat Plus VOC auto-water cages. Valves not included with rack.
Product: CP77R200

Ready For Cage-Mounted SE Lab Group Valves
Compatible with CP79C205(P/M) Optirat Plus VOC auto-water cages. Valves not included with rack.
Product: CP77R205

With Auto-Water, No Valves or Valve Couplings*
Cage compatibility depends on valve selection.
Product: CP77R20

Optirat Plus Full Rack Assemblies
Cages included.

With Rack-Mounted Edstrom Valves
Includes CP79C202(P/M) Optirat Plus auto-water cages.
Polysulfone: CP86202P
Polycarbonate: CP86202M†

Edstrom Removable Valve Option
Add to above rack CP86202(P/M) to change valves to removable type. Includes CP79C202 M/P Optirat Plus auto-water cages.
Option: CP75R120

With Rack-Mounted SE Lab Group Valves
Includes CP79C202P Optirat Plus auto-water cages.
Product: CP86207P

SE Lab Removable Valve Option
Add to above rack CP86207P to change valves to removable type. Includes CP79C202P Optirat Plus auto-water cages.
Product: CP75R122

With Cage-Mounted Edstrom Valves
Includes CP79C200(P/M) Optirat Plus VOC auto-water cages.
Polysulfone: CP86200P
Polycarbonate: CP86200M†

With Cage-Mounted SE Lab Group Valves
Includes CP79C205(P/M) Optirat Plus VOC auto-water cages.
Polysulfone: CP86205P
Polycarbonate: CP86205M†

†Polycarbonate orders must meet minimum quantities.
* Rack is plumbed for auto-water; however, valves must be acquired and installed before the auto-water system can be used.
Optirat® Plus

**Basic with External Water Bottle**

**Standard Cage Assembly**
- Polysulfone: CP79C100P
- Polycarbonate: CP79C100M†

**Auto-Water Cage Assemblies**
Utilize different cage tops with no bottle recesses and provide extra headroom at the front corners.

**With Cage-Mounted Valves**
- With SE Lab Valve:
  - Polysulfone: CP79C205P
  - Polycarbonate: CP79C205M†
- With Edstrom Valve:
  - Polysulfone: CP79C200P
  - Polycarbonate: CP79C200M†

**Accommodates Rack-Mounted Valves**
- Polysulfone: CP79C202P
- Polycarbonate: CP79C202M†

**Basic, External Water Bag Ready**
Includes stainless steel water bag valves, CP45Q100, and water bag adapters, CP43T110.
- Polysulfone: CP79C101P
- Polycarbonate: CP79C101M†

**Surgical Implant Cage Assembly**
A special trough feeder and angled sipper tubes minimize the risk of damage to head implants.
- Polysulfone: CP79C102P
- Polycarbonate: CP79C102M†

†Polycarbonate orders must meet minimum quantities.
**Basic Cage Base Assembly**
Standard cage base for use with water bottles or bags.
Polysulfone: CP79B100P
Polycarbonate: CP79B100M†

**Auto-Water Cage Base Assembly, Rack-Mounted Valve**
Spring-loaded door accommodates fixed and removable rack-mounted valves.
Polysulfone: CP79B202P
Polycarbonate: CP79B202M†

**Auto-Water Cage Base Assembly, Cage-Mounted Valve**
Cage bases can be sold with or without watering valves installed.
With SE Lab Group Valve:
Polysulfone: CP79B205P
Polycarbonate: CP79B205M†
With Edstrom Valve:
Polysulfone: CP79B200P
Polycarbonate: CP79B200M†
Base Without Valve:
Polysulfone: CP79B210P
Polycarbonate: CP79B210M†

**Cage-Mounted Watering Valves**
For use with CP79B210 cage bases.
Edstrom: M45050
SE Lab: C45021

†Polycarbonate orders must meet minimum quantities.
**Optirat® Plus**

**Basic Cage Top Assembly For Water Bottles/Bags**
Does not include bottles or water bag adapters.
- Polysulfone: CP79T100P
- Polycarbonate: CP79T100M†

**Auto-Water Cage Top Assembly**
No recesses for bottles or water bags.
- Polysulfone: CP79T200P
- Polycarbonate: CP79T200M†

**Manual Port Cage Top**
Equipped with a spring-loaded manual feed port.

**Optirat Plus Single Feed Port Standard Top (Shown)**
- Polysulfone: CP79T105P
- Polycarbonate: CP79T105M†

**Optirat Plus Dual Feed Port Standard Top**
- Polysulfone: CP79T106P
- Polycarbonate: CP79T106M†

**Optirat Plus Single Feed Port Auto-Water Top**
- Polysulfone: CP79T205P
- Polycarbonate: CP79T205M†

**Optirat Plus Dual Feed Port Auto-Water Top**
- Polysulfone: CP79T206P
- Polycarbonate: CP79T206M†

**Optirat Plus Cage Top Clip**
Sold individually.
- Product: CP43T010

†Polycarbonate orders must meet minimum quantities.
**Optirat® Plus**

**Filter Media—Reemay 2024**

- **Front Filter**
  - Small, four per cage.
  - Product: CP43L101

- **Rear Filter**
  - Large, one per cage.
  - Product: CP43L102

**Outer Filter Screens**

- **Front Outer Filter Screen**
  - Product: CP40L102

- **Rear Outer Filter Screen**
  - Product: CP40L105

**Rear Screen Clip**

- Product: CP40L106
Optirat® Plus

Inner Filter Screens

Front Inner Filter Screen
Product: CP40L101

Rear Inner Filter Screen
Product: CP40L104

Front Filter Retainer
Product: CP40L103

Optirat Plus Rear Filter Cover
Product: CP43T050 M/P
Polysulfone: CP43T050P
Polycarbonate: CP43T050M†

Rear Filter Cover Latch
Product: CP43T011

†Polycarbonate orders must meet minimum quantities.
Optirat® Plus

Optirat Plus Water Bottle Assembly
Cap has integrated stainless steel sipper tube that extends down into the cage. Capacity: 500 mL
With Cap:
Polysulfone: CP79W100P
Polycarbonate: CP79W100M†
Without Cap:
Polysulfone: CP79W110P
Polycarbonate: CP79W110M†
Cap Only: CP79W050R
Seal Only: C41050

Optirat Plus Water Bag Adapter
Installs in the cage top recesses to allow the use of water bags.
Product: CP43T110

Optirat Plus Water Bag Drinking Valve
Constructed from stainless steel; length provides access to bagged water in Optirat Plus applications.
Product: CP45Q100

Optirat Plus Caps for Additional Species
The bottle cap supplies facilities with options for mice, guinea pigs, and other rodents.
Mice (shown): CP79W051R
Guinea Pigs: CP79W053R

Watering Valves, Rack-Mount Removable
Valve: C45027A
Air Seal: C45160

Watering Valves, Cage-Mount
Edstrom: M45050
SE Lab: C45021

Surgical Implant Rat Bottle Cap
Angled sipper tube used for rodents with head implants. Provides ample head space clearance for implants when drinking.
Product: CP79W052R

†Polycarbonate orders must meet minimum quantities.
Optirat® Plus

**Optirat Plus Feeder Assembly**
Hinged cover keeps animals out of the feeder.
Capacity: 1,100 cubic centimeters (67 cubic inches)
Product: CP40F105

**Feeder only (no cover)**
Product: CP40F100

**Feeder Cover**
Product: CP40F050

**Optirat Plus J-Feeder**
For powdered or small-pellet feed.
Product: CP40F115

**Surgical Implant Rat Feeder**
Trough feeder minimizes damage to head implants.
Capacity: 400 cubic centimeters (24 cubic inches)
Product: CP40F112

**Optirat Plus Small J-Feeder**
For powdered or small-pellet feed.
Capacity: 400 cubic centimeters (24 cubic inches)
Product: CP40F113
**Optirat® Plus**

**Optirat Plus Mezzanine**
Expand internal floor area by 33 percent. Material: polycarbonate.
Product: CP79A102M

**Optirat Plus Tox Floor**
Stamped from flat sheet. More gentle on feet.
Product: CP40B171

**Optirat Plus Standard Cage Divider and Feeder**
Divide living quarters and food access. Provide visual and auditory contact with conspecifics.

- Standard: CP79A110F
- Social Holes: CP79A111F

**Divider Only**
- Standard: CP79A110
- Social Holes: CP79A111

**Optirat Plus Cage Divider for Mezzanine Kit**
Divide living quarters and food access with a mezzanine for increased floor area.

- Product: CP79A105MF
- Social Holes: CP79A105MSOCF

**Feeder Only**
Product: M40022OR

**Divider for Mezzanine Only**
Compatible only with a CP79A102MD

- Product: CP79A113M
- Social Holes: CP79A111

**Mezzanine for Divider Only**
Compatible only with a CP79A113M

- Product: CP79A102MD

*Note: Not all rat dividers compatible with auto-water cages*
Optirat® Plus Water Bottle Basket, 15-Bottle
Hinged lid and clip secure bottles for washing
Product: CP61A100

Optirat Plus Water Bottle Basket, 20-Bottle
Hinged lid and clip secure bottles for washing
Product: CP61A101

Cage Cards
3-by-5-inch — five colors available
Product: M52010
The Optirat GenII caging system is built on the same structural frame as Optimice and employs the same motor-free, exhaust ventilated technology as all Animal Care Systems racks. The cages are large enough to comfortably accommodate rats and provide superior visibility, thanks to the wide front face.

Each rack contains 42 cages, arrayed in seven levels with six cages per level. Each cage is equipped with two standard Optimice 400-mL water bottles and a 1.1-liter stainless steel feeder. Cages are available in the same plastic options as all standard Animal Care Systems cages: amber polysulfone and clear polycarbonate.

Like our other carousel-style racks, Optirat GenII can be positioned against a wall or next to another rack. The rotating carousel provides easy cage access without moving racks or forming large aisles. Simply stand in one place, and bring the cages to you. Optirat GenII also can house hamsters, gerbils, guinea pigs, deer mice, and wild-caught rodents. The cage is suitable for invertebrates, as well.

**Caging Accessories**

We offer a full range of standard and custom accessories designed to optimize our caging systems and maximize the efficacy of lab animal research.

**Optirat GenII features**
- Ultra-high density
- Simple and lightweight
- Fast and easy cage filter replacement
- Large enough to house rats and other large rodents
- Integrated cage card holder

**Same operating principles as all Animal Care Systems racks**
- One-pass, low-velocity airflow and total volume air changes
- No electric motors, no energy consumption, no vibration
- Complete biological isolation and containment

**Optional automatic watering options**
- Valve-on-cage (VOC)
- Valve-on-rack (VOR)
- Removable valve-on-rack (RVOR)
Bare Rack Assembly
No cages.
Product: C76200

Standard Full Rack Assembly, Water Bottles
Complete cage assemblies included.
Polysulfone: C87100P
Polycarbonate: C87100M

Standard Full Rack Assembly, Water Bags
Remove bottle assemblies and replace with one internal water bag holder.
Polysulfone: C87010P
Polycarbonate: C87010M

†Polycarbonate orders must meet minimum quantities.

Optirat GenII Rack

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Inches (mm)</td>
</tr>
<tr>
<td>Depth</td>
<td>Width</td>
</tr>
<tr>
<td>Full rack</td>
<td>39.4 (1001)</td>
</tr>
<tr>
<td>Empty rack</td>
<td>33.7 (856)</td>
</tr>
</tbody>
</table>

All Optirat GenII racks have four 4-inch swivel casters; two casters have locks.
Optirat® GenII

Optirat GenII Bare Rack Assemblies
No cages.

**With Rack-Mounted Edstrom Valves**
Compatible with C79502(P/M) Optirat GenII auto-water cages.
Product: C76202

**Removable Valve Option**
Add to above rack to change valves to removable type.
Option: C75120

**Ready For Cage-Mounted Edstrom Valves**
Compatible with C79501(P/M) Optirat GenII VOC auto-water cages. Valves not included with rack.
Product: C76201

**Ready For Cage-Mounted SE Lab Group Valves**
Compatible with C79505(P/M) Optirat GenII VOC auto-water cages. Valves not included with rack.
Product: C76205

**With Auto-Water, No Valves or Valve Couplings***
Cage compatibility depends on valve selection.
Product: C76601

---

Optirat GenII Full Rack Assemblies
Cages included.

**With Rack-Mounted Edstrom Valves**
Includes C79502(P/M) Optirat GenII auto-water cages.
Polysulfone: C87202P
Polycarbonate: C87202M

**With Rack-Mounted SE Lab Group Valves**
Includes C83502(P/M) Optirat GenII auto-water cages.
Polysulfone: C87207P
Polycarbonate: C87207M

**Removable Valve Option**
Add to above rack to change valves to removable type.
Option: C75120

**With Cage-Mounted Edstrom Valves**
Compatible with C79501(P/M) Optirat GenII VOC auto-water cages. Valves not included with rack.
Product: C76201

**With Cage-Mounted SE Lab Group Valves**
Compatible with C79505(P/M) Optirat GenII VOC auto-water cages. Valves not included with rack.
Product: C76205

**With Auto-Water, No Valves or Valve Couplings***
Cage compatibility depends on valve selection.
Product: C76601

---

†Polycarbonate orders must meet minimum quantities.
* Rack is plumbed for auto-water; however, valves/valve couplings must be acquired and installed before the auto-water system can be used.
### Basic with Internal Water Bottle
Standard cage assembly.
- Polysulfone: C83500P
- Polycarbonate: C83500M

### Basic with Internal Water Bag
Remove bottle assembly and replace with internal water bag holder.
- Polysulfone: C74C010P
- Polycarbonate: C74C010M

### Auto-Water Cage Assemblies
No bottles or water bag holders.

#### With Cage-Mounted Valves
With SE Lab Valve:
- Polysulfone: C83505P
- Polycarbonate: C83505M
With Edstrom Valve:
- Polysulfone: C83501P
- Polycarbonate: C83501M

#### Accommodates Rack-Mounted Valves
- Polysulfone: C83502P
- Polycarbonate: C83502M

#### Add Manual Feed Port to Cage Assembly
Replaces standard cage top with one equipped with a spring-loaded manual feed port.
- Polysulfone: C75230P
- Polycarbonate: C75230M

#### Replace Standard Feeder with Bottom-protected Version
Protect food at the bottom of the feeder with the restrictor plate feeder.
- Product: C75402

†Polycarbonate orders must meet minimum quantities.
**Optirat® GenII**

**Basic Cage Base Assembly**
For use with water bottles or bags. Includes filters.
- Polysulfone: C83510P
- Polycarbonate: C83510M

**Auto-Water Cage Base Assembly, Cage-Mounted Valve**
Watering valve not included with cage base. Valve type must be matched to rack.
- Polysulfone: C83511P
- Polycarbonate: C83511M

**Compatible Valves**
- Edstrom: M45050
- SE Lab: C45021

**Auto-Water Cage Base Assembly, Rack-Mounted Valve**
Spring-loaded door accommodates fixed and removable rack-mounted valves.
- Polysulfone: C83512P
- Polycarbonate: C83512M

**Optirat GenII Auto-Water Pre-Charge Station**
Purge trapped air from cage-mounted valves before use.
- Edstrom Product: C83361
- SE Lab Product: C83366

**Optirat GenII Cage Base Skid**
Placed at the bottom of a stack of cages, the cage skid enables effortless sliding across floor or other surfaces.
- Product: C83391

†Polycarbonate orders must meet minimum quantities.
Optirat® GenII

**Standard Cage Top Assembly**
- Polysulfone: C79520P
- Polycarbonate: C79520M

**Optirat GenII Cage Top Clip**
Replacement latching clips; sold individually.
- Product: C43320
- Mounting Screws: C30120

**Manual Feed Port Cage Top**
Equipped with a spring-loaded manual feed port.
- Polysulfone: C79522P
- Polycarbonate: C79522M

**Wire Bar Cage Top Assembly**
Converts a standard cage to conventional mode. Do not use on cages installed in Optirat GenII rack.
- Product: C79525

**Manual Feed Port Cage Top**
- Polysulfone: C79522P
- Polycarbonate: C79522M

---
†Polycarbonate orders must meet minimum quantities.
Optirat® GenII

**Bottles & Water Accessories**

### Standard Bottle Assembly
Includes hanger, seal, and cap.
Capacity: 400 mL
- Polysulfone: C79122P
- Polycarbonate: C79122M

#### Bottle without Cap
- Polysulfone: C79132P
- Polycarbonate: C79132M

### Red Bottle Assembly
Available in polysulfone only. Includes hanger, seal, and cap.
Capacity: 400 mL
Product: C79122PRED

#### Bottle without Cap
Product: C79132PRED

### Black Bottle Assembly
Available in polysulfone only. Includes hanger, seal, and cap.
Capacity: 400 mL
Product: C79122PBLK

#### Bottle without Cap
Product: C79132PBLK

### Internal Water Bag Holder
For Hydropac only.
Product: C79585

### Water Bottle Guard
Compatible only with Optirat GenII.
Product: C40416
Optirat® GenII

Bottle Seal
Product: C41050

Bottle Hanger
Product: C40320
Standard Internal Bottle Cap
Product: C40150

Ball Sipper Tube Bottle Cap
Ball provides a better seal with fewer incidental drips.
Product: C40153

Watering Valves, Rack-Mount Removable
Valve: C45027A
Air Seal: C45160

Watering Valves, Cage-Mount
Edstrom: M45050
SE Lab: C45021

Curved Sipper Tube Bottle Cap
For guinea pigs.
Product: C40151

Bottle Cap with 1.5-inch Sipper Tube
Provides mouse pups or less mobile rodents with a lower, more easily accessed sipper tube.
Product: C40154

Water Cap Valve Assembly
For use with cage-mounted valves only
Product: M45080A

Edstrom Auto-Water Deprivation Cap
Product: M45055
Rear Filter Nozzle
Product: C43430

Rear Filter Reemay
Product: C43L002

Rear Filter Inner Screen
Product: C404S040

Rear Filter Outer Screen
Product: C404S041

Rear Outer Screen Wire Retainer
Product: C404SR01
Optirat® GenII

**Front Filter Retainer**
Product: C43440

**Front Filter Reemay**
Product: C43L001

**Front Filter Inner Screen**
Product: C40L101

**Front Filter Outer Screen**
Product: C404S016

**Filter Table Top Fixture Kit**
Includes table top fixture with 2 clamps, tapered screwdriver
Product: C8351XTTF1
Optirat® GenII

Optirat GenII Standard Feeder
All stainless. Option to hang one bottle at two different heights.
Capacity: 1,100 cubic centimeters (67 cubic inches)
Product: C40401

Optirat GenII Standard Feeder with Restrictor Plate
Protect food at the bottom of the feeder with the restrictor plate feeder.
Capacity: 1,100 cubic centimeters (67 cubic inches)
Product: C40402

Optirat GenII J-Feeder
For powdered and small-pellet feed. Can be used for guinea pig feed.
Capacity: 1,000 cubic centimeters (67 cubic inches)
Product: C40405

Optirat GenII Surgical Implant Feeder and Water Bottle Assembly
A special trough feeder and water bottle that minimizes the risk of damage to head implants.
Bottle capacity: 500 mL
Feed capacity: 400 cubic centimeters (24 cubic inches)
Polysulfone: C79586P
Polycarbonate: C79586M

Feeder Housing Only
Product: C40408

Water Bottle Only
Product: CP79W103M
Optirat® GenII Standard Cage Divider and Feeder
Divide living quarters and food access. Provide visual and auditory contact with conspecifics.
Product: C83175M

Optirat GenII Cage Divider with Social Holes and Feeder
Holes in divider allow olfactory and tactile contact.
Product: C83176M

Feeder Only
Product: M40022OR

Standard Divider Only
Product: C43117

Standard Divider with Social Holes
Product: C43118

Optirat GenII Standard Tox Floor
Stamped from flat sheet, more gentle on feet.
Product: C40175

Optirat GenII Wire Bar Tox Floor
Large openings for thorough waste isolation.
Product: C40176

Note: Not all rat dividers are compatible with auto-water cages.
**Bulk Truck Medium Duty**
Safely transport or store large quantities of cages; rated to hold up to 1,000 pounds; four 5-inch casters; two of the casters do not swivel, and the other two swivel and lock.

- 44x27x68-inch: BT-CH-44x27x68-MD
- 45x29x68-inch: BT-CH-45x29x68-MD
- 60x24x68-inch: BT-CH-60x24x68-MD
- 60x32x68-inch: BT-CH-60x32x68-MD

---

**Bulk Truck Heavy Duty**
Safely transport or store large quantities of cages; rated to hold up to 1,500 pounds; four 6-inch casters; two of the casters do not swivel, and the other two swivel and lock.

- 24-inch depth: BT-60x24x68
- 32-inch depth: BT-60x32x68

---

**Bulk Truck Covers**
Sterilizable cover to keep dust and debris from collecting on stored cages.

- 24-inch depth, zipper: EC-60x24x68-Z
- 24-inch depth, Velcro: EC-60x24x68-V
- 32-inch depth, zipper: EC-60x32x68-Z
- 32-inch depth, Velcro: EC-60x32x68-V

---

**Bulk Truck Adjustable Shelf**
Sterilizable, heavy-duty construction

- 60x24: BTS-60x24
- 44x32: BTS-60x32
- 44x27: BTS-44x27

---

**Bulk Truck Grid Doors**
Sterilizable, heavy-duty construction

- Full, 60x60: BTD-60x68-F
- Full, 44x67: BTD-44x75-F
- Half, 60x33: BTD-60x34-H
- Half, 44x37: BTD-44x37-H
Material Handling

**Accessory Basket**
For use with assorted accessories when washing or sterilizing.
Product: AB-18x12.25x6-WL
Basket only: AB-18x12.25x6
Lid only: AB-18x12.25x6-L

**Water Bottle Basket Dollie**
Off-set handle for easy handling; holds up to eight 9-inch-high bottle baskets; four 4-inch casters
Dimensions: 20x26.125x36 inches
Product: WBBD-6-SS

**Utility Cart - 2 Shelf**
Two shelves; four 5-inch casters, two with brakes; holds up to 150 pounds
40x24x36: UC2-40x24x36
40x24x36, with handle bars: UC2-40x24x36-1HB
40x24x36, with raised edges: UC2-40x24x36-1HB-3ES
40x24x36, with third shelf: UC3-40x24x36
32x19x36: UC2-32x19x36
32x19x36, with handle bars: UC2-32x19x36-1HB

**Platform Cart - 2 Handle**
Handle bars at both ends for convenience; center and caster braces for greater support; four 6-inch casters, two with brakes; holds up to 400 pounds.
Dimensions: 43x24x34.4 inches
Product: PFC-43x24x35
**Material Handling**

**Shelf Rack - Adjustable**
Sterilizable; four 5-inch casters, two with brakes
- Four shelves: SRA4-60x24x72
- Five shelves: SRA5-60x24x72
- Six shelves: SRA6-60x24x72
- Seven shelves: SRA7-60x24x72

**Dunnage Rack**
Store items such as boxed and bags of feed or bedding off the floor; holds up to 4,000 pounds
- Dimensions: 48x24x12 inches
- Product: DR-48x24x12-A

**Shelf Rack - Fixed**
Sterilizable; four 5-inch casters, two with brakes; holds up to 150 pounds per shelf
- Four shelves: SRF4-60x24x72
- Five shelves: SRF5-60x24x72
- Six shelves: SRF6-60x24x72

**Clean Table**
Leveler feet for stability; thick top for greater rigidity
- Dimensions: 60x24x34 inches
- Product: CT-60x24x34
  - With backsplash: CT-60x24x34-B
  - With backsplash and full shelf: CT-60x24x34-B-FS
- 48x24x34, with backsplash and full shelf: CT-48x24x34-FS
Material Handling

Optimice and Optirat GenII Water Bottle Basket, 20-Bottle
Compatible with Optimice and Optirat GenII bottles. Hinged lid and clip secure bottles for washing.
Product: C61010

Protective Cover
Protective cover for 20-bottle basket.
Product: C49COV45Z

Optimice and Optirat GenII Water Bottle Basket, 15-Bottle
Compatible with Optimice and Optirat GenII bottles. Hinged lid and clip secure bottles for washing.
Product: C61011

With Detachable Lid
Product: C61012

Bottle Cap Removal Tool
Ergonomic bottle cap remover for Optimice and Optirat GenII
Product: C79190

Cage Top Washing Racks
Accommodates Optimice and Optirat GenII cage tops; bottle/bag washing rack is required for external water tops.
Standard (pictured): C61020
Capacity: 20 lids
Bottle/Bag: C61022
Capacity: 18 lids

Stackable (pictured): C61023
Capacity: 19 lids

Protective Cover
Protective cover for 15-bottle basket.
Product: C49COV35Z
Material Handling

Change-Out Rack for Optimice
Store, transport, wash, and sterilize Optimice cages and accessories on this customizable, durable stainless steel rack. Popular options are listed below.

Option 1
Two Optimice cage shelves and one accessory shelf
Product: CORA1S2

Option 2
Three Optimice cage shelves
Product: CORA0S3 (shown)

Option 3
Five Optimice cage shelves
Product: CORA0S5

Option 4
Two Optimice cage shelves
Product: CORA0S2

Option 5
Two accessory shelves
Product: CORA2S0

Option 6
Three accessory shelves
Product: CORA3S0

Option 7
Four Optimice cage shelves and one accessory shelf
Product: CORA1S4

Change-Out Rack for Optirat GenII and Optirat Plus
Rack base and shelves are ordered a la carte for greatest flexibility; shipped assembled. Between one and three shelves per base are recommended for Optirat GenII and Optirat Plus.

Change-Out Rack Base: CORA0S0
Rack Assembly with Two Shelves: CORA2S0 (shown)
Rack Assembly with Three Shelves: CORA3S0
Accessory Shelf: C50052

Protective Cover
Protective cover for change-out rack.
Product: C49164

Individual Parts
Change-out rack base: CORA0S0
Optimice cage shelf: C50051
Accessory shelf: C50052

All changeout racks have four 4-inch swivel casters; two casters have locks.
### Anemometer Assembly Kit
Ensure adequate air velocity to assist in rack installation.
Product: M79211

### Iris 100 Damper
- 4-inch: M49D100
- 6-inch: M49D150

### Rack Status Monitor Kit
Install on existing rack for continuous airflow monitoring.
Product: C79355

### Butterfly Valve Damper Assembly
Restrict excessive airflow; 3-inch connection
Product: M79190

### Fail Safe Fan
Provide emergency ventilation in the event of extended HVAC failure.
Product: C80011

### Individual Parts
- Display Unit: C79355DU
- Sensor Tube Unit: C79355ST
Rack Accessories

Opti Rack Light Kit, Frosted Lens
Provides even, orthogonal lighting across the full height of a rack with no need to light an entire room. Powered by rechargeable battery or AC adapter. Compatible with Optimice, Optirat GenII, and Optirat Plus.
With Battery: C80050FRS
With AC Adapter: C80051FRS

Red Cover Lens:
Attaches to light bar to produce red light.
Product: C43801RED

Vibration Isolator Pads
Place one pad beneath each of the rack’s casters to drastically reduce transmitted vibration from construction or large equipment. Two per package.
Product: C49200

Rack Exterior Spacers
The side and rear spacers automates rack spacing.
Rear Spacer: C89SPACER1
Side Spacer: C89SPACER2

Opti Rack Cover
Protective cover for carousel racks.
Product: C49163
Venting & Ducting

**V-Duct Box Assembly**
Available with 4- or 6-inch connection.
- 4-inch Product: M79V42
- 6-inch Product: M79V62

**Universal Exhaust Box Assembly**
4-inch Product: M79244
6-inch Product: M79264

**V-Duct Box with Iris Damper Assembly**
Available with 4- or 6-inch connection.
- 4-inch Product: M79V42D
- 6-inch Product: M79V62D

**Universal Exhaust Box with Iris Damper Assembly**
4-inch Product: M79244D
6-inch Product: M79264D

**Ceiling Drop Assembly**
Connect a single exhaust hose to a 4- or 6-inch ceiling drop.
- 4-inch Product: M79230
- 6-inch Product: M79235

**Exhaust Adapter Plate**
The adapter plate is custom-designed to fit your ventilation requirements in any animal room with an exhaust grill. Simply relay the dimensions to your local rep or directly to Animal Care Systems, and a price quote will be generated.
Product: M79260
Venting & Ducting

**High-temperature 6-foot Flex Hose Assembly**
Standard hose shipped with all racks.
Product: M79H06

**High Temperature Custom Length Flex Hose; 25 Feet, Max Length**
Replace last two digits (represented by XX, below) in part number with desired length in feet.
Product: M79HXX

**Stainless Steel Hose Clamp, 3-inch**
Fits standard rack hoses.
Product: M21041

**Light Weight Flex Hose Assembly**
Not suitable for sterilization.
- 5-foot Product: M79056P
- 10-foot Product: M79055P
- 15-foot Product: M79051P
- 20-foot Product: M79052P

**Hose Connector Fitting, 3-inch**
Fits standard rack hoses.
Product: M21050GFN

**Optihose Guide Bracket**
Guides and holds exhaust hoses neatly in place alongside rack for exhaust drops not in the ceiling.
Product: C40601
Venting & Ducting

**Ceiling Flange**
Standard hose connection on Animal Care Systems racks.
Product: M21061GFN

**Ceiling Flange Cap**
Cap open ceiling flange connection(s) on a rack when fewer exhaust hoses are used.
Product: M21080GFN

**Ceiling Drop Adapter**
Bare, unmodified.
Product: M21090GFN

**Load Simulator Cap**
Cap open exhaust hose connections to simulate exhaust system load when a rack is absent.
Product: M21081GFN
Quatro Air

Quatro Air is a self-contained canister ventilator intended for use with an Animal Care Systems rack when room exhaust ventilation is not available. Each Quatro Air unit is fitted with either single or dual exhaust hose thimble connectors.

As air is drawn through the Quatro Air system, it undergoes three stages of filtration before being released back into the room through the louvers near the bottom. A pre-filter removes larger particles from the air, and a HEPA filter removes remaining smaller particles, rendering the air mechanically pure. Finally, an activated carbon bed removes odorous chemicals that may also represent a significant breathing hazard to personnel and animals.

The Quatro Air unit has three operation speeds and can move up to 120 cubic feet of air per minute with sufficient static pressure needed to ventilate an Animal Care Systems rack.

Quatro Air Filtration Unit
120V System: M83100
220V System: M83101

Replacement Filters
99.97% HEPA Filter: M831F074
Filter Pads (6 pack): M831F069-220
Filter Pads (12 pack): M831F069-71
Pleated Pre-Filter (6 pack): M831F071

Carbon Module
Product: M831F072-GPC

Bulk Chemical Media
Good for approximately 3-4 refills of an F072 module.
Product: M831NC-GPC