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contents

Making Life Easy!

specialist feeding needle
gavaging needles

Re-Usable S/Steel Gavaging Needles

Code	Shape	Gauge and Lengths mm	Ball Diameter mm
ASGN7900	Straight	24G – 25	1 ¼
ASGN7901*		22G – 25	
ASGN7920*		22G – 38	
SMALL LABORATORY ANIMALS			
ASGN7921*	Straight	20G – 25	2 ¼
ASGN7902*		20G – 38	
ASGN7903*		20G – 76	
ASGN7922*		18G – 25	
ASGN7904*		18G – 38	
ASGN7905*		18G – 51	
ASGN7906*		18G – 76	
ASGN7907*		18G – 76	3
ASGN7923*		16G – 51	
ASGN7908*		16G – 76	
ASGN7909*		14G – 76	4
ASGN7924*		13G – 76	
SMALL LABORATORY ANIMALS			
ASGN7910*	Curved	20G – 38	2¼
ASGN7911*		20G – 76	
ASGN7912*		18G – 38	
ASGN7913		18G – 51	
ASGN7914*		18G – 76	
ASGN7915		16G – 51	3
ASGN7916*		16G – 76	
ASGN7946		16G – 102	
ASGN7917		14G – 76	4
ASGN7918	Bent	18G – 51	3
PRIMATES (UP TO 4.5KGS) AND LARGE LABORATORY ANIMALS			
ASGN7919	Curved	12G – 89	6¼
MALLEABLE NEEDLES			
ASGN7944	Malleable	20G – 38	2¼
ASGN7945		18G – 38	
ASGN7947		18G – 76	
ASGN7948		16G – 76	3

Disposable S/Steel Tube / Plastic Hub Needles

Code	Shape	Gauge and Lengths mm	Style
ASGN9921*	Straight	20G – 38	Flexible Tip
ASGN9918*		18G – 51	
ASGN9915*		16G – 76	

Disposable Sterile Flexible Teflon Needles

Code	Shape	Gauge and Lengths mm	Style	Pack Qty
ASGN9920*	Straight Flexible	20G – 38	Straight PTFE	5/pouch 100/box
ASGN9928B*	Straight Flexible	18G – 38	Bite Protected	5/pouch 100/box
ASGN9923B	Straight Flexible	18G – 51	Bite Protected	5/pouch 100/box
ASGN9924B	Straight Flexible	18G – 76	Bite Protected	5/pouch 100/box
ASGN9922B	Straight Flexible	17G – 51	Bite Protected	5/pouch 100/box
ASGN9926B	Straight Flexible	17G – 84	Bite Protected	5/pouch 100/box
ASGN9925B	Straight Flexible	15G – 79	Bite Protected	5/pouch 100/box
ASGN9927B	Straight Flexible	15G – 99	Bite Protected	5/pouch 100/box

Indicates standard stock items.

MOST POPULAR

Flexible Teflon with Bite Protector

Re-Usable Stainless Steel Animal Feeding Needles

Our animal feeding needles are designed to meet the needs of pharmacologists, toxicologists, pathologists and other biomedical researchers working with laboratory animals. Precision assembly of stainless steel balls and grade 304 stainless steel tubing ensures a quality needle, suited for feeding and dosing without injury to sensitive tissues. The standard sizes in the five styles are the most popular in use by Pharmaceutical Laboratories, Universities, Hospitals, Government and Research Facilities, for the broadest range of animal intubation needs. Medical and scientific researchers recommend these quality animal feeding needles for Intra cardiac perfusion procedures. The unique ball design of the needle tip allows all operations to be completed with minimal risk of puncture to vital organs.

Plastic Feeding Needles for Rodents (disposable)

Teflon and Flexible Plastic (PTFE) Needles were developed to satisfy the demands of those researchers who require a low cost single use needle for critical applications.
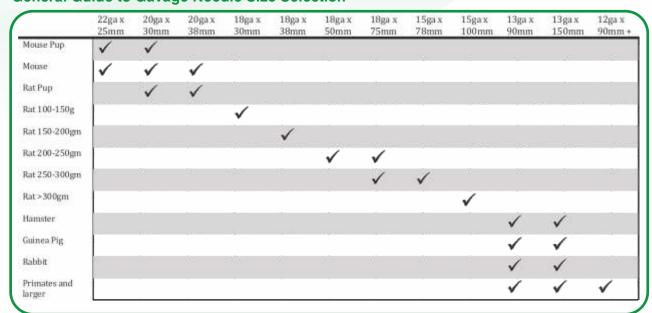
PTFE and Teflon feeding tubes for rodent oral gavage are flexible to reduce the risk of trauma and disposable to eliminate the cost of cleaning and the chance of compound crossover. Flexible tubes are often recommended as an animal welfare refinement over rigid metal tubes.
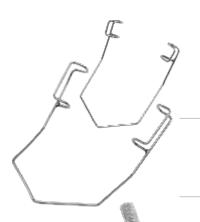
The feeding tubes use medical grade Teflon or PFTE material to minimize the risk of interactions with test compounds. The soft silicon tip is designed to prevent inadvertent placement in the trachea and reduce the risk of perforation. The feeding tubes are available in a variety of diameters and lengths for use in rodents ranging in size from mouse pups to rats to hamsters, guinea pigs and rabbits.

Proper restraint and dosing technique are critical, and the technique can vary between flexible and rigid tubes. Inquire for more detail or assistance with size selections.

General Guide to Gavage Needle Size Selection

	22ga x 25mm	20ga x 30mm	20ga x 38mm	18ga x 30mm	18ga x 38mm	18ga x 50mm	18ga x 75mm	15ga x 78mm	15ga x 100mm	13ga x 90mm	13ga x 150mm	12ga x 90mm +
Mouse Pup	✓	✓										
Mouse	✓	✓	✓									
Rat Pup		✓	✓									
Rat 100-150g				✓								
Rat 150-200gm					✓							
Rat 200-250gm						✓	✓					
Rat 250-300gm							✓	✓				
Rat >300gm									✓			
Hamster										✓	✓	
Guinea Pig										✓	✓	
Rabbit										✓	✓	
Primates and larger										✓	✓	✓

Wire Retractors

Code	**ASE17000-03**
Description	Everyday ONXY Maximum spread 1.5cm wire retractors
Length (cm)	3

EVERYDAY

Code	**ASE17000-04**
Description	Everyday ONXY Maximum spread 1.5cm wire retractors
Length (cm)	4

EVERYDAY

Premium ALM Retractor

Code	**AS17008-07**
Description	ALM self-retracting ONYX Premium Retractors, German S/S 4 Prong Blunt, Gently Curved Arms
Size (cm)	7

PREMIUM

Code	**AS19621-10**
Description	ALM self-retracting ONYX Premium Retractors, German S/S 4 Prong Blunt, Gently Curved Arms
Size (cm)	10

PREMIUM

Retractor (trach.) Blunt

Code	**ASE19214-13**
Description	Everyday ONYX 4 prongs Blunt Retractor
Size (cm)	13.5

EVERYDAY

Premium Hook

Code	**AS19214-13**
Description	Premium ONYX Hooklet (dura) pointed, Frazier/Tyrell
Size (cm)	13
Tips (mm)	Straight

PREMIUM

Premium Double Ended Fine Probe

Code	**AS10058**
Description	Premium ONYX Double Ended Fine Probe - Fine 1mm Tip
Length (cm)	14

PREMIUM

Grooved Director

PREMIUM

Code   **AS2111-13**
Description   Premium ONYX Grooved Director
Length (cm) 13

Premium ONYX Thumb Punch

PREMIUM

Code   **AS00076**
Description   Premium ONYX Ear notcher with unique 'easy-clip' thumb
               lever. Individually Sharpened, Checked and Warranted.
Length (cm) 7
Tip   2mm hole

S/S DNA Ear Punch

PREMIUM

Code   **AS6000EPS**
Description   S/S DNA Ear Punch with 50 Eppendorf Caps - Great for
               Capturing your Punch Sample Untouched. Very Sharp.

S/S Thumb Punch

PREMIUM

Code   **AS500075**
Description   S/S Thumb Ear Punch. Individually sharpened, checked
               and warranted.

S/S Long Arm Ear Punch

PREMIUM

Code   **AS6100EP**
Description   S/S Long Arm Ear Punch - High Quality and Simple to Use.

High Quality Plier Punch

PREMIUM

Code   **ASAT7000**
Description   High Quality Plier Ear Punch. Extremely Handy and Powerful
               Punch Mechanism. Very Sharp.

S/S Scissors Punch

PREMIUM

Code   **AS500077**
Description   S/S Scissors Ear Punch - Reliable, Durable and Exceptionally
               Manoeuvrable with thin tips.

ONYX Sterile Disposable Skin Stapler - s/s

Code **ADSS35-SS**

Description
- The stapler's handle is designed to comfortably fit any surgeon's hand
- The angled head offers a clear view for precise stapling of tissues with ease
- Material: 316L stainless steel staple
- 35 staples per unit
- Sterilised with Ethylene Oxide with 3 year shelf life
- Product packed individually in DUPONT TYVEK paper bags
- Packing 30pcs/carton (10pcs/box- 30boxes/carton)

Sterile Disposable Staple Remover

Code **ASDSR1**

Description
- Able to remove all types of staples
- Sterilised with Ethylene Oxide with 3 years shelf life
- Product packed individually in DUPONT TYVEK paper bags
- Packing 300pcs/carton (10pcs/box- 30boxes/carton)

ONYX Instrument Case

Code **ASOLKC**

Description
10 Instrument positions with elastic hold points, felt lining, zipper and centre protection divider.

ONYX Everyday Mouse Kit

Code **ASMOUSEKIT**

Description
- Dumont Tweezer #5 -11cm long - 0.1 x 0.06mm tips (ASE11405-05)
- Vannas Scissors - 8cm long - 5mm straight blade (ASE14003)
- Iris Forceps, serrated - 10cm long - curved 0.8mm tips (AS11151-10)
- Dissecting Scissors, straight 10cm (ASE09340-10)
- Wire Retractor 4cm long 10 x 5mm blades max spread 15mm (ASE17000-04)
- Needle Holder - 12.5cm long - straight serrated jaws - extra delicate (ASE13221-12)
- Blunt Probe 1.0 mm diameter, blunt 14cm long (AS10058)

EVERYDAY

ONYX Everyday Rat Kit

Code **ASRATKIT**

Description
- Dumont Tweezer #5 -11cm long - 0.1 x 0.06mm tips (ASE11405-05)
- Vannas Scissors - 8cm long - straight 5mm blades (ASE14003)
- Iris Fine Serrated Forceps, serrated - 10cm long - curved 0.8mm tips (AS11151-10)
- Iris Dissecting Scissors, straight 10cm (ASE09340-10)
- Alm Self-retaining Retractor - 7cm long - 4 x 4 prongs (AS17008-07)
- Needle Holder - 14cm long-straight serrated jaws (ASE13220-14)
- Blunt Probe 1.0 mm diameter, blunt 14cm long (AS10058)

EVERYDAY

ONYX Everyday Physiology Kit I

Code **APHYSIO-I**

Description
- Tenotomy Scissors - 10cm Straight (AS14064-10)
- Blumenthal Rongeur 3mm jaw - 15cm long (ASE14091-15)
- Utility Scissors - 15cm
- Operating Scissors straight Sharp/Blunt - 14cm (ASE09350-14)
- Dumont Tweezer #5 - 11cm long - 0.1 x 0.06mm tips (ASE11405-05)
- Flat Jaw Tweezers - 11cm long - (AS11075-02)
- Blunt Probe 1.0 mm diameter, blunt - 14cm (AS10058)

EVERYDAY

Wound Clips for Mice and Rats - 7mm

PREMIUM

Code	**AS59036**
Description	7mm Reflex Wound Applicator

PREMIUM

Code	**AS59037**
Description	7mm Reflex Wound Clip Remover
Box	100

AVAILABLE AS A KIT

PREMIUM

Code	**AS59035**
Description	7mm Wound Clips
Box	100

PREMIUM

Code	**AS59034**
Description	7mm Wound Clips
Box	1000

Wound Clips for Mice and Rats - 9mm

PREMIUM

Code	**AS59026**
Description	9mm Wound Clip Applicator

PREMIUM

Code	**AS59037**
Description	9mm Wound Clip Remover

PREMIUM

Code	**AS59028**
Description	9mm Wound Clips
Pack	100

AVAILABLE AS A KIT

PREMIUM

Code	**AS59027**
Description	9mm Wound Clips
Box	1000

Nylon Monofilament

Nylon Monofilament is made up of black and clear monofilaments that are smooth and nonporous. This material has excellent tensile strength and provides ease of passage through tissue while at the same time reducing trauma to surrounding tissue, preventing tissue in growth.

Silk Black Braided

Silk Black Braided suture has optimum handling characteristics and knot security without excess capillarity.

Gut Plain-Absorbable

Gut Plain is manufactured from the highest quality raw material to ensure ease of handling, dependable absorption, and high tensile strength.

Gut Plain absorbs within 70 days.

Gut Chromic-Absorbable

Gut Chromic is Gut Plain with Chromium Salt added to allow for greater absorption time.

Gut Chromic absorbs within 90 days.

C1 = 11cm x ⅜"

C12 = 16cm x ⅜"

C13 = 18cm x ⅜"

C14 = 24cm x ⅜"

Suture

Code	**AS3031**
Description	5-0 Silk Black Braided Suture Spool, Non-Absorbable,
Cord L (mm)	100 yds

Code	**AS3032**
Description	4-0 Silk Black Braided Suture Spool, Non-Absorbable,
Cord L (mm)	100 yds

Code	**AS380566**
Description	4-0 Gut Chromic-Absorbable with C-13 Needle
Cord L (mm)	75
Box	12 Individually packed

Code	**AS380570**
Description	4-0 Gut Chromic-Absorbable with C-12 Needle
Cord L (mm)	75
Box	12 Individually packed

Code	**AS390556**
Description	3-0 Gut Chromic-Absorbable with C-13 Needle
Cord L (mm)	75
Box	12 Individually packed

Code	**AS371074**
Description	3-0 Silk Black Braided Non-Absorbable with C-13 Needle
Cord L (mm)	75
Box	24 Individually packed

Code	**AS371076**
Description	3-0 Silk Black Braided Non-Absorbable with C-14 Needle
Cord L (mm)	75
Box	24 Individually packed

Code	**AS391073**
Description	4-0 Silk Black Braided Non-Absorbable with C-1 Needle
Cord L (mm)	75
Box	24 Individually packed

Code	**AS391074**
Description	4-0 Silk Black Braided Non-Absorbable with C-13 Needle
Cord L (mm)	75
Box	24 Individually packed

Code	**AS391076**
Description	4-0 Silk Black Braided Non-Absorbable with C-14 Needle
Cord L (mm)	75
Box	24 Individually packed

Code	**AS381073**
Description	5-0 Silk Black Braided Non-Absorbable with C-1 Needle
Cord L (mm)	75
Box	24 Individually packed

Code	**AS381074**
Description	5-0 Silk Black Braided Non-Absorbable with C-13 Needle
Cord L (mm)	75
Box	24 Individually packed

Code	**AS381235**
Description	6-0 Silk Black Braided Non-Absorbable with C-1 Needle
Cord L (mm)	75
Box	24 Individually packed

1200 Syringe Pump

PREMIUM

Code	**ASCSP-1000**
Description	• Program up to 99 different steps for variable rates and pauses in a single infusion
	• Nonvolatile memory stores all information from a past infusion, including the steps.
	• Press the pause/resume key to pause or restart any time during an infusion.
	• Rates anywhere from micro-liters per hour to milliliters per minute.

Infusion Table

PREMIUM
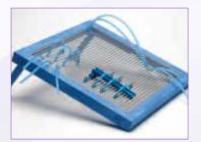
Code	**ASCIT-1000**
Description	• 4 folding legs for optional angled display and compact storage
	• Silicone tubing and perforated table top allow for easy customization
	• Cage washable cage permits convenient cleaning
	40 x 40cm square table top
	Height with legs open, 16.5cm

Rat Infusion Tether With Harness

PREMIUM

Code	**ASCRIT-1000**
Description	Rat infusion tether and harness to suit infusion table above

Acrylic 1mm Heart Matrix

PREMIUM

Code	**ASCAM-1100**	
Description	• Highest Quality	• Easy cleaning
	• Multiple uses	• Easy handling
	• Highly accurate sectioning	
	• Superfine slices	

Acrylic 1mm Brain Coronal 40-75gm

PREMIUM

Code	**ASCAM-1175-1**	
Description	• Highest Quality	• Easy cleaning
	• Multiple uses	• Easy handling
	• Highly accurate sectioning	
	• Superfine slices	

Acrylic 1mm Mouse Sagittal 40-75gm

Code	**ASCAM-1275-1**
Description	• Highest Quality • Easy cleaning
	• Multiple uses • Easy handling
	• Highly accurate sectioning
	• Superfine slices

PREMIUM

Acrylic 1mm Rat Brain Coronal 300-600gm

Code	**ASCAM-1160-1**
Description	• Highest Quality • Easy cleaning
	• Multiple uses • Easy handling
Length (cm)	• Highly accurate sectioning
Tip	• Superfine slices

PREMIUM

Acrylic 1mm Rat Coronal 175-300gm

Code	**ASCAM-1130-1**
Description	• Highest Quality • Easy cleaning
	• Multiple uses • Easy handling
	• Highly accurate sectioning
	• Superfine slices

PREMIUM

Acrylic 1mm Rat Sagital 175-300gm

Code	**ASCAM-1230-1**
Description	• Highest Quality • Easy cleaning
	• Multiple uses • Easy handling
	• Highly accurate sectioning
	• Superfine slices

PREMIUM

Acrylic 1mm Rat Sagital 300-600gm

Code	**ASCAM-1260-1**
Description	• Highest Quality • Easy cleaning
	• Multiple uses • Easy handling
	• Highly accurate sectioning
	• Superfine slices

PREMIUM

Matrix Blades 25 Pack

Code   **ASCMB-1150**

PREMIUM

S/S 0.5 mm Large Tumor Coronal

Code   **ASCSM-4150**
Description   • Highest Quality   • Easy cleaning
                • Multiple uses   • Easy handling
                • Highly accurate sectioning
                • Superfine slices

PREMIUM

S/S 0.5 mm Mouse Brain Coronal 40-75 Gm

Code   **ASCSM-2165-1**
Description   • Highest Quality   • Easy cleaning
                • Multiple uses   • Easy handling
                • Highly accurate sectioning
                • Superfine slices

PREMIUM

S/S 0.5 mm Mouse Brain Sagittal 40-75 Gm

Code   **ASCSM-2265-1**
Description   • Highest Quality   • Easy cleaning
                • Multiple uses   • Easy handling
                • Highly accurate sectioning
                • Superfine slices

PREMIUM

S/S 0.5 mm Mouse Heart Coronal

Code   **ASCSM-4140**
Description   • Highest Quality   • Easy cleaning
                • Multiple uses   • Easy handling
                • Highly accurate sectioning
                • Superfine slices

PREMIUM

S/S 0.5 mm Mouse Spinal Cord Coronal

Code **ASCSM-4180**

Description
- Highest Quality
- Multiple uses
- Highly accurate sectioning
- Superfine slices
- Easy cleaning
- Easy handling

PREMIUM

S/S 0.5 mm Rat Spinal Cord Coronal

Code **ASCSM-4190**

Description
- Highest Quality
- Multiple uses
- Highly accurate sectioning
- Superfine slices
- Easy cleaning
- Easy handling

PREMIUM

S/S 0.5 mm Rat Brain Coronal 175-300gm

Code **ASCSM-2120-1**

Description
- Highest Quality
- Multiple uses
- Highly accurate sectioning
- Superfine slices
- Easy cleaning
- Easy handling

PREMIUM

S/S 0.5 mm Rat Brain Coronal 300-600gm

Code **ASCSM-2150-1**

Description
- Highest Quality
- Multiple uses
- Highly accurate sectioning
- Superfine slices
- Easy cleaning
- Easy handling

PREMIUM

S/S 0.5 mm Rat Brain Sagittal 175-300gm

Code **ASCSM-2220-1**

Description
- Highest Quality
- Multiple uses
- Highly accurate sectioning
- Superfine slices
- Easy cleaning
- Easy handling

PREMIUM

S/S 0.5 mm Rat Brain Sagittal 300-600 Gm

Code **ASCSM-2250-1**

Description
- Highest Quality
- Multiple uses
- Highly accurate sectioning
- Superfine slices
- Easy cleaning
- Easy handling

PREMIUM

S/S 1mm Rat Sagittal 300-600gm

PREMIUM

Code   **ASCSM-2260-1**
Description   • Highest Quality   • Easy cleaning
              • Multiple uses   • Easy handling
              • Highly accurate sectioning
              • Superfine slices

S/S 0.5 mm Rat Heart Coronal

PREMIUM

Code   **ASCSM-4120**
Description   • Highest Quality   • Easy cleaning
              • Multiple uses   • Easy handling
              • Highly accurate sectioning
              • Superfine slices

S/S 0.5 mm Small Tumor Coronal

PREMIUM

Code   **ASCSM-4160**
Description   • Highest Quality   • Easy cleaning
              • Multiple uses   • Easy handling
              • Highly accurate sectioning
              • Superfine slices

S/S 1 mm Mouse Spinal Cord Coronal & Sagittal

PREMIUM

Code   **ASCSM-4170**
Description   • Highest Quality   • Easy cleaning
              • Multiple uses   • Easy handling
              • Highly accurate sectioning
              • Superfine slices

S/S 1 mm Mouse Coronal 40-75gm

PREMIUM

Code   **ASCSM-2175-1**
Description   • Highest Quality   • Easy cleaning
              • Multiple uses   • Easy handling
              • Highly accurate sectioning
              • Superfine slices

S/S 1mm Mouse Sagittal 40-75gm

Code   **ASCSM-2275-1**

Description
- Highest Quality
- Multiple uses
- Highly accurate sectioning
- Superfine slices
- Easy cleaning
- Easy handling

PREMIUM

S/S 1mm Rat Coronal 175-300gm

Code   **ASCSM-2130-1**

Description
- Highest Quality
- Multiple uses
- Highly accurate sectioning
- Superfine slices
- Easy cleaning
- Easy handling

PREMIUM
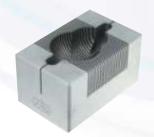
S/S 1mm Rat Sagittal 175-300gm

Code   **ASCSM-2230-1**

Description
- Highest Quality
- Multiple uses
- Highly accurate sectioning
- Superfine slices
- Easy cleaning
- Easy handling

PREMIUM

S/S 1mm Rat Coronal 300-600gm

Code   **ASCSM-2160-1**

Description
- Highest Quality
- Multiple uses
- Highly accurate sectioning
- Superfine slices
- Easy cleaning
- Easy handling

PREMIUM

S/S 1mm Rat Heart Matrix

Code   **ASCSM-2100**

Description
- Highest Quality
- Multiple uses
- Highly accurate sectioning
- Superfine slices
- Easy cleaning
- Easy handling

PREMIUM

PDMC Digital Microscope/Camera

Code	Description
ASPDMC	Includes: Mounting Bracket (DMCB), DinoCapture software, USB 2.0 extension

- Resolution: 640x480 pixels
- Interface: USB 2.0
- Magnification: 10~200X Continuous
- Sensor: 1/4" Colour CMOS
- Video frame Rate: up to 30 frame-per-sec.
- Illumination: built-in 8 white LEDs
- CD Content: DinoCapture application software, User's manual
- Compatible Windows 2000/XP, Vista and most MAC OS
- The USB connection eliminates the need for interface cards or expensive software

- The software for the collection and processing of photos is included
- Software is easy and convenient to load and use
- Automatic or manual colour balance and control
- Automatic or manual brightness control

REQUIREMENTS
- Intel Pentium III 1GHz processor or faster
- Windows 2000/XP, Vista
- 256 MB RAM
- CD-ROM drive
- 16-bit colour display monitor or higher
- Available Hi-speed USB 2.0 Port

Surgery Platform

Code	Description	Length mm
ASASS7	Surgery Platform	230 x 345
ASSSPCK	Standard Surgery Platform/Camera Kit Includes: Standard Surgery Platform, Digital Microscope/Camera, Mounting Bracket (DMCB), DinoCapture Software, USB 2.0 Extension.	

Can be used for surgery, micro manipulations, general micro-utilit platform (i.e. organ inspections, dissections, etc).

- Two Flexible LED lights - provides direct illumination with no shadows and no heat.
- Flex arm, non-obstructive rimless magnifying glass (main lens: 2.3 X, inset lens: 4.0 X).(Allows continuous eye contact with object when moving into magnification area).
- Limb restraints, Non-skid feet for added stability.
- Universal power supply (100 – 240 VAC, 50-60 Hz).

Thermo Controlled Surgery Platform

Code	Description	Length mm (W x L)
ASASS7T	Thermal controlled surgery platform	230 x 345
ASSSPCKT	Surgery Platform/Camera Kit Includes: Surgery Platform with gel-pads, Digital Microscope/Camera, Mounting Bracket (DMCB), DinoCapture Software, USB 2.0 Extension, Gel Pad Reactivation Unit.	

- Two Flexible LED lights - provides direct illumination with no shadows and no heat.
- Flex arm, non-obstructive rimless magnifying glass (main lens:2.3 X, inset lens: 4.0 X). (Allows continuous eye contact with object when moving into magnification area)
- 4 Space Gels for continuous heat, 2 Space Blankets to retain heat.
- Thermo Reflector & Turbo Heat Sink to maximize heat transfer.
- Limb restraints, Non-skid feet for added stability.
- Universal power supply (100 – 240 VAC, 50-60 Hz).

Ultra-Safe Thermo Regulation:
- will not over heat animal
- will not burn animal
- no electricity used
- no bulky water bath
- no water bed effect

Camera Bracket - Mounting Kit

Code	Description
ASDMCB	Bracket for Microscope/Camera (ASDMCB) Kit

Rodent Ear Tags

Code	Description
ASNMET1005-1-M	Small Monel Ear Tag Size 1. Nickel, Copper Alloy 8mm Long When Applied
ASNMET1005-3-M	Medium Monel Ear Tag Size 3. Nickel, Copper Alloy 15mm Long When Applied
ASETA-SM1	Ear Tag Applicator For Monel Size 1
ASETA-SM3	Ear Tag Applicator For Monel Size 3

Wing Band Identification

Code	Description	Code	Description
AS893JIFFY	Jiffy Wing Band Indentification. Brass, Stamped. 1-100/1-500/1-1000	AS893APPLIC	Wing Band Application Tool. Ideal for Poultry, Rodents and Rabbits

AS893JIFFY

AS893APPLIC

Tattoo Identification

Code	Description	Qty.
ASARAMIS	Tattoo Marking Kit. with ink and needle (As Shown)	1
ASATP1-I	Replacement Tattoo Ink Paste 1oz	1
ASATP5-I	Replacement Tattoo Ink Paste 5oz	1

Rodent Restrainers

Code	Description
AS561-RC	Rodent Injection Cone with suction caps

BROOME STYLE RODENT RESTRAINER		FLAT BOTTOM RODENT RESTRAINER	
AS551-BSRR	15-30gr Rodent	AS541-RR	15-30gr Rodent
AS552-BSRR	30-125gr Rodent	AS542-RR	30-125gr Rodent
AS553-BSRR	125-250gr Rodent	AS543-RR	125-250gr Rodent
AS554-BSRR	250-500gr Rodent	AS544-RR	250-500gr Rodent
AS555-BSRR	500-750gr Rodent		

Add suction caps - Helps to prevent retainer movement on work surface

Rabbit Restrainers

Code	Description	Dimensions cm	Weight kg
AS503-XL	Acrylic	15 x 56 x 17 (H)	4 to 7
AS502-AR	Acrylic	15 x 45 x 15 (H)	up to 4
AS501-TC	Acrylic	15 x 61 x 13 (H)	up to 7.5

Ashpat Wall Plug Thermostat

Code	Description	Qty
ASSHPAT	Wall plug thermostat to suit any heat pad. Controllable from 0 - 40°c	1

Body-Contour Shape Restrainer Cones - Disposable

Code	Size	Animal Weight (g) Up To	Colour	Pack
AS1801RV	Small	120	Rose/Red	50
AS1802RV	Medium	225	Rose/Red	50
AS1803RV	Large	450	Rose/Red	50

STARTER ANAESTHETIC KIT – COMPLETE

AS070

An anaesthesia system designed specifically to provide a low cost alternative to the established range of quality equipment on offer.

All of the features but with no compromises, this systems provide a simple, yet effective method of delivering gaseous anaesthesia for your surgical facility.

All supplied in a specifically designed package for easy shipping and storage.

FEATURES INCLUDE
* All stainless steel construction
* Proven and reliable Tec III Style Vaporiser
* Tapered Flowmeters for accurate control over a range of species

BASIC SYSTEM INCLUDES
* Stainless Steel Support Stand
* Isoflurane TEC III proven and reliable Key Fill Vaporiser
* Key Fill Applicator
* O2 Regulator to fit Size F Cylinders
* High Pressure Anti-Static O2 Tubing
* O2 Tapered Flowmeter for accurate control
* All connections and fittings to standard ISO 23mm Outlet

OPTIONS
1. Add, Oxygen Flush Control
2. Upgrade to Small Animal System:
   l   All as per Starter System
   l   Large Rodent Induction Chamber – Red Perspex
   l   3 Way Valves, supply tubing, scavenging tubing and 22mm tapered connectors
   l   Size 1 Single Mask c/w connecting Tubing

HIGHER GRADE CUSTOMISED DESIGNS AVAILABLE. PLEASE REQUEST.

Compact Anaesthesia Systems

A complete integrated anaesthesia systems, designed specifically for the animal technology market, in a single 'off the shelf' package

• Fittings for 1 x O2, 1 x N2O Size E cylinders (extra gases optional)
• Upgradeable for up to 4 carrier gases
• Low O2 Alarm with N2O cut off
• Oxygen Flush
• Isoflurane or Halothane Options (other anaesthetic agents available)
• Tapered Flowmeters for maximum accuracy
• Anti static castors for safety
• High quality stainless steel shelving

CODE	DESCRIPTION
AS001	Compact Anaesthesia System - Isoflurane
AS001A	Compact Anaesthesia System - Isoflurane Key Fill
AS002	Compact Anaesthesia System - Halothane
AS002A	Compact Anaesthesia System - Halothane Key Fill

Compact Anaesthesia Systems

Supplied as a Complete Work Station, with built in scavenging, heated surface with downdraft and a fully built in scavenged chamber

- Integrated Features Include
- Fittings for 1 x O2, 1 x N2O Size E cylinders (extra gases optional)
- Upgradeable for up to 4 carrier gases
- Low O2 Alarm with N2O cut off
- Oxygen Flush
- Isoflurane or Halothane Options (other anaesthetic agents available)
- Tapered Flowmeters for maximum accuracy
- Anti static castors locking for safety
- High quality stainless steel shelving
- Automatic Co2 Delivery System
- Downdraft Table
- Heated Pad with full control
- Full Scavenged Integrated Chamber
- Height Adjustment Option (ASDVS 810)
- Several configurations available

CODE	DESCRIPTION
AS100	Advanced Anaesthesia System DVS 410
AS101	Advanced Anaesthesia System including integrated filtration DVS 610
AS102	Advanced Anaesthesia System with height adjustment DVS 810

Anaesthetic Bracket Unit

A low cost alternative to complete trolley systems, configured exactly to your requirement. Can be wall mounted, bench standing or trolley mounted

- Supplied complete with wall bracket and fittings
- Configured exactly to your requirement
- High quality powder coated steel
- Handle for safe transport

CODE	DESCRIPTION
AS009A	Wall / Bench Anaesthetic Bracket Unit – Single Gas
AS009	Wall / Bench Anaesthetic Bracket Unit – Two Gas

Anaesthetic Bracket Unit Trolley

A simple trolley for the bracket above, the Anaesthetic Bracket Unit simply slots onto the trolley, no fixing required. Converts all Anaesthetic Bracket Units into stand-alone mobile anaesthetic systems.

- Can accommodate Size F or E cylinders (x2)
- Lower Shelf for Scavenging Equipment.

CODE	DESCRIPTION
AS009B	Anaesthetic Bracket Unit Trolley

Active Scavenging Unit

The industry standard in Active Scavenging Systems

A self contained portable unit requiring no extra ducting or ventilation. Can be used with any organic anaesthetic agent (Halothane, Isoflurane etc.)

- Incorporates into any anaesthesia circuit to continually scavenge all excess anaesthetic gases

- Supplied complete with Double Rodent Mask

- Can be used with conventional Aldasorber canisters or with VetScav Automatic Weighing Mechanism)

CODE	DESCRIPTION
AS005	Active Scavenging Unit
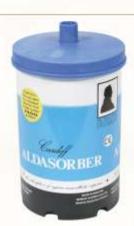
Aldasorber

The Aldasorber is a canister containing activated carbon which adsorbs all organic gases extremely efficiently. It is used with the Active Scavenging Unit to scavenge anaesthetic gases from the working environment and is easily attached to the Active Scavenging Unit. When exhausted, the Aldasorber is sealed in the bag provided and can be safely disposed of.

- Supplied in Cases of 6
- Canister Weight when new @ 1200gms
- Canister Weight when full @ 1400gms

CODE	DESCRIPTION
AS006	Aldasorber

VetScav Filter Weighing Mechanism

At Last! A time saving device to automatically weigh anaesthetic filter canisters whilst in use. This innovative system uses patented technology to provide a simple, time saving and cost effective solution to the weighing of filter canisters

- Prevents any misunderstanding between users, whilst labour saving and cost saving in separate procedures with balances, check weights etc
- Automatic Temperature compensation – can be used in any environment
- Uses dedicated filters with substantial cost savings over existing widely available carbon filters
- Simple LED system, with illumination at every 50 grams of weight gained
- Audible buzzer and red light when canister is full

CODE	DESCRIPTION
AS200	VetScav Filter Weighing Mechanism

VetScav Filters

A dedicated filter for use with the VetScav System
- Much less expensive than Aldasorbers!
- Supplied in Cases of 6
- Canister Weight when new @ 1200gms
- Canister Weight when full @ 1400gms.

CODE	DESCRIPTION
AS201	VetScav Filters

Extra Small Anaesthetic Mask

Extra Small Rodent Mask Delivery System. A new addition to the Mask range designed specifically for mice.

CODE	DESCRIPTION
AS005E	Extra Small Anaesthetic Mask

Mask Support

A Solid weight to hold steady any size of mask

CODE	DESCRIPTION
AS005AA	Mask Support for Size 1 Mask
AS005BA	Mask Support for Size 2 Mask
AS005CA	Mask Support for Size 3 Mask
AS005DA	Mask Support for Extra Small Mask

Anaesthetic Masks Delivery System

Three sizes of masks available, (Size1 Double supplied with Active Scavenging Unit):-
• Size 1 - suitable for rats, hamsters and similar
• Size 2 - suitable for guinea pigs and similar
• Size 3 - suitable for rabbits and similar

CODE	DESCRIPTION
ASAN005A	Rodent Mask Delivery System - Double Size 1
ASAN005B	Rodent Mask Delivery System - Single Size 1
ASAN005C	Rodent Mask Delivery System - Single Size 2
ASAN005D	Rodent Mask Delivery System - Single Size 3
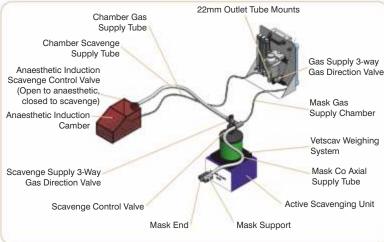
Mouse Manifold Systems

• 5 mask manifold system (takes 1 or 5 animals simultaneously)
• Stable manifold block
• MRI compatibility available
• Inspired gas can be warmed
• Monitor HR/SpO2 from mask noninvasively

CODE	DESCRIPTION
AS07856	Mouse Manifold Systems

Most Precise and Cost Effective Anaesthesia Setup

MZDS Mask Circuit for Rabbits, Rodents and Birds

- Zero dead space: fast, predictable anaesthesia
- Very low fresh gas flows: efficient
- Economical and environmentally friendly
- 2 diaphragm orifice's suit a range of animals
- Clear poly-carbonate for visibility
- Autoclavable for infection control

CODE	DESCRIPTION
AS00835	MZDS Mask Circuit

Continuous Anaesthetic Induction Chamber

These chambers are specifically designed for the induction of anaesthesia in small rodents. Two standard sizes available, although chambers can be manufactured to your preferred specification. Supplied complete as a kit for parallel fitting into your existing anaesthesia circuit. Kit contains:
- Three Way Valves (x 2)
- Tube Mount Connector for Inlet
- PVC Tubing for Gas Inlet (x 2 mtrs) o 22mm Scavenging Tube (x 2 mtrs)

Features:
- Ergonomically designed sloping front access
- Spring hinged lid for added security
- Perforated PVC false floor
- All pipe connections at one side to increase work space
- Diffuser pipe fitted beneath false floor to ensure even distribution of anaesthetic
- Air bleed ring on scavenging port ensures accurate control of anaesthesia flow

CODE	DESCRIPTION
AS010	Continuous Anaesthetic Induction Chamber – Small 180mm (L) x 120mm (W) x 150mm (H) CLEAR Perspex
AS010A	Continuous Anaesthetic Induction Chamber – Large 300mm (L) x 180mm (W) x 180mm (H) CLEAR Perspex
AS010R	Continuous Anaesthetic Induction Chamber – Small 180mm (L) x 120mm (W) x 150mm (H) RED Perspex
AS010AR	Continuous Anaesthetic Induction Chamber – Large 300mm (L) x 180mm (W) x 180mm (H) RED Perspex

Vaporiser

- A high quality TEC III type Vapouriser with internal flow and temperature compensation.
- Graduated in 0.5% divisions • Single Control, locks in off position
- Compatible with all types of anaesthetic circuit
- Supplied as a 5% version specifically for veterinary use, 8% (large animal) available upon request
- Supplied complete with mounting block and bolts
- Key Fill Option available
- BS 22mm Tapered Fittings (see tube mounts)

CODE	DESCRIPTION
AS003	Isoflurane Standard Fill Vapouriser 5%
AS003A	Isoflurane Key Fill Vapouriser 5%
AS004	Halothane Standard Fill Vapouriser 5%
AS004A	Halothane Key Fill Vapouriser 5%

Quick Release Fittings (Selectatec)

An invaluable addition to any anaesthetic system to allow Vapouriser to be very easily removed for servicing, exchange etc. Supplied in two components, the compatibility block which is permanently attached to the anaesthetic system. The Quick Release is the "switch" which is attached to the Vapouriser.

CODE	DESCRIPTION
AS041	Quick Release Fitting
AS042	Compatibility Block

Key Fill Applicator

Any Key Fill Vapourizer will also need a bottle adaptor or Key Fill Applicator in order to dispense and drain anaesthetic agent from the bottle to the Vapouriser in complete safety

• Colour coded to match anaesthetic agent

• Can not be used on any other type of anaesthetic agent Vapourizer or bottle

CODE	DESCRIPTION
AS003B	Isoflurane Key Fill Applicator
AS004B	Halothane Key Fill Applicator

Respiration Monitor

A simple monitor, giving an audible and visual warning on exhalation of the patient
• Adjustable Sensitivity – can be used with any species
• Can be included into any anaesthetic circuit – adaptations available for open mask, closed circuit or injectable anaesthesia
• Very simple to use
• Audible on exhalation with green LED

CODE	DESCRIPTION
AS060	Respiration Monitor
AS060A	Spare Probe

Flowmeters and Stands

We only use Flowmeters specifically manufactured under special order for the veterinary profession. Each Flowmeter has tapered tubes to allow accurate control over the lower flow ranges for small animals. Can be supplied for any gas, following held as stock…

Specially suited for Rodents, it has a graduation increments of 0.1ml to 1ltr, permitting easy measuring.

Specially suited for Rodents, it has a graduation increments of 0.1ml to 1ltr, permitting easy measuring.

CODE	DESCRIPTION
AS011	Air Flowmeter
AS012	O2 Flowmeter
AS013	N2O Flowmeter
AS014	CO2 Flowmeter AN015 – Stand for Flowmeter
ASN015	Stand For Any Flowmeter
AS019C	Coil Tube W/ Fittings to Connect 2 Flowmeter to CO Chamber
AS4091	Regulator Hose Connector to 6mm Tube

Regulators

Supplied complete with Tube Mounts to connect to 6mm ID High Pressure Tubing
• Medical (Size E) and Standard Regulators available….

CODE	DESCRIPTION
AS025	CO2 Regulator – Standard
AS025A	CO2 Regulator – Size E
AS026	O2 Regulator – Standard
AS026A	O2 Regulator – Size E
AS027	N2O Regulator – Standard
AS027A	N2O Regulator – Size E

Other Gases Available (eg Medical Air etc)

Regulator Heaters

Prevents freezing on CO2 Systems where demand is high. Simply connects between Cylinder and Regulator.
• 240V Mains Supply

CODE	DESCRIPTION
AS028	AS028 Regulator Heater

Digital Stereotaxic Frame

Stereotaxic instruments with digital, as opposed to vernier, scales offer greater speed of operation with reduced opportunity for error. This compact instrument, with the same footprint and drive mechanisms as our standard Stereotaxic instrument, features linear position-sensing digital scales and a convenient remote display centre (Patent Pending). Operation is easy and precise. Simply move the probe to Bregma and touch the zeroing button. Once all displays read zero, move the probe until each of the three axes displays the desired coordinates.
• No reading, aligning and estimating vernier scales
• No calculation errors after locating Bregma
• All readings in direct line of view – no body twisting
• Higher precision and reproducibility than conventional vernier scales. Compatible with standard species adaptors and probe holders from other Stereotaxic instrument manufacturers. Your work and your time are important. Why work with anything less?

CODE	DESCRIPTION
AS048	Digital Stereotaxic Frame

Stereotaxic Masks

A coaxial mask system designed to be used with any Stereotaxic frame (Kopf, Stoelting etc). Two models available depending on Nose Bar type Also compatible with Respiration Monitor.

CODE	DESCRIPTION
AS049	Stereotaxic Anaesthetic Mask (Standard)
AS049A	Stereotaxic Anaesthetic Mask (Spring Loaded Nose Bar)
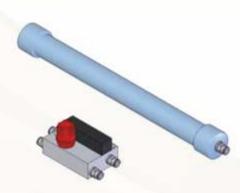
Three Way Gas Direction Valve

As supplied with the Continuous Anaesthetic Induction Chambers. These valves allow the output of anaesthetic or input of scavenging to be split in one of two directions by simply turning the valve.

• Allow two circuits to be connected to a single anaesthetic machine (eg Mask and Chamber)

• 22mm Connectors

CODE	DESCRIPTION
AS031	Three Way Gas Direction Valve
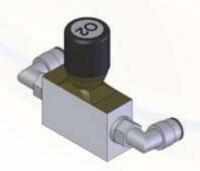
Low Oxygen Warning Alarm

With N2O Cut Out A low warning device ensuring safety and continuity during anaesthesia procedures. A whistle is sounded on Oxygen depletion and the supply of Nitrous Oxide is automatically stopped to the patient.

• Activated between 2 – 2.5 Bar

• Simple to Fit

CODE	DESCRIPTION
AS023	Low Oxygen Warning Alarm

Oxygen Flush Control

Fits into any anaesthetic circuit to direct Oxygen directly to the patient.

• Useful as a recovery aid / oxygen therapy

• Can be used to raise depth of anaesthesia

CODE	DESCRIPTION
AS024	Oxygen Flush Control

CardioStore

A revolution in Digital ECG recording. CardioStore is a six limb lead, 12 bit, digital diagnostic recording system developed especially for the veterinary market.

• Fits in the palm of your hand

• Record an ECG for replay later at any time

• Used as an ECG monitor and apnoea monitor during surgery

• Produce written reports within minutes from your PC

• Suitable for all species from rats and larger

CODE	DESCRIPTION
AS001	CardioStore

ERM 8010

Simple Reliable ECG and Respiratory Monitoring. The ERM-8010 is a very sensitive ECG monitor that typically detects and displays a Lead II ECG in real time.
- Rapid, reliable patient monitoring • Unobtrusive hand-held unit
- Suitable for all species
- Adaptor clips available for very small animals • Indoor or outdoor use
- Freeze-screen facility for improved ECG viewing
- Variable sweep speed for fast or slow heart rates
- Easily settable alarms for heart rate and apnoea
- Optional beeps for QRS and breath detection
- View the last 60 minutes of heart and respiratory rate data
- Extensive battery life

CODE	DESCRIPTION
AS002	ERM 8010

Capnovet 10

Veterinary Hand held Side Stream Capnograph. Monitoring end-tidal CO_2 is the recognized way of ensuring your patient is breathing optimally during an anaesthetic and the Capnovet-10 has all the features you need.
- Quick visual assessment of respiratory function
- Variable sweep speed
- Variable side-stream withdrawal rate
- Small hand-held unit
- Perfect compliment to mechanical ventilation
- Two different display modes
- Suitable for a range of species from rats to horses
- Easy to use

CODE	DESCRIPTION
AS003	Capnovet 10

VitalScan

Integrated Vital Signs Monitoring. VitalScan incorporates Pulse-Oximetry, NIBP, Respiration, Temperature monitoring and end-tidal CO_2 monitoring in a single package controlled from your PC or laptop. The dedicated Windows™ software gives instant visual feedback on all your monitoring options and there are alarms available for every system monitored. This gives you an at-a-glance appraisal of your patient and provides the very best possible care for anaesthetised animals
- Veterinary designated Windows™ software supporting Pulse-Oximetry, Oscillometric Blood Pressure monitoring, Respiratory monitoring and Temperature monitoring.
- Simple serial link to your PC/Laptop
- All monitoring sensors are controlled by your PC giving you central control of all your monitors
- Alarm options available for all sensors. Full monitoring reports available for all sensors
- Monitoring reports can be saved to file for later reference
- Integrates with ECG3 for combined on-screen display
- Automatic scheduling of Blood Pressure measurements
- Centralisation of monitors simplifies set-up procedures during anaesthesia.
- All the facilities you expect, combined into an integrated package to provide the ultimate in monitoring control

CODE	DESCRIPTION
AS004	VitalScan
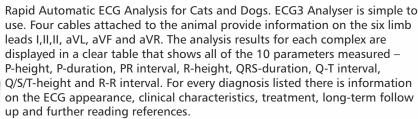
ECG3 Analyser

CODE	DESCRIPTION
AS005	ECG3 Analyser

Rapid Automatic ECG Analysis for Cats and Dogs. ECG3 Analyser is simple to use. Four cables attached to the animal provide information on the six limb leads I,II,II, aVL, aVF and aVR. The analysis results for each complex are displayed in a clear table that shows all of the 10 parameters measured – P-height, P-duration, PR interval, R-height, QRS-duration, Q-T interval, Q/S/T-height and R-R interval. For every diagnosis listed there is information on the ECG appearance, clinical characteristics, treatment, long-term follow up and further reading references.
• Very simple to set up and use
• Rapid, reliable, automatic ECG analysis for dogs and cats
• Fully customizable report options
• Windows environment for intuitive use
• Works with IBM-compatible PC's including laptops
• Can be used alone or can be integrated with the BAS VitalScan unit
• Use for pre-op screening and anaesthetic monitoring
• Generate income from ECG investigations
• Print, fax or e-mail reports to colleagues or clients
• Proven technology over 15 years and with 1500 clients
• Reports use standard paper formats
• No more lengthy thermal ecg strips
• Instant, when-you-need-it, analysis and interpretation
• Suitable for routine ECG monitoring for animal heart rates up to 330 bpm.

Small Animal Ventilator

Product Code   **AS407V**

The small Animal 407 ventilator is the most popular unit for research in the field of Basic Medicine, Clinical Medicine and Animal Medicine and Artificial Respiration, Respiration Management, Animal Emergency Aid and Respiratory Treatment in the animal clinical surgery. Small Animal Ventilator is for small animals from 250g to10kg (22lb) such as rat, guineapig, rabbit, cat, dog, etc.

The operating principle of this ventilator is based on an electric generator as its power and driving circuit control, rhythmical output flow which, through a gas tube, the gas enters in and enlarges the animal lung to fully achieve gas exchange. It is easy to use, low noise, precise control.

Parameters:
The Small Animal Ventilator comes standard with two piston and cylinder assemblies. The smaller piston(which comes installed) allows tidal volumes to be set from 0.5 to 5.0cc in 0.5cc increments and the larger cylinder allows tidal volumes of 3.0 to 30cc in 0.3cc increments. Setting the cylinder stroke between gradations it is possible to achieve finer resolution in tidal volume settings.

Features:
● Numerical LED to display the respiratory rate
● Respiratory rate set from 18 - 150 strokes / minute
● Volume and rate settings can be adjusted while the ventilator is running.
● Four gas inlet and outlet ports: supply gas in, gas out (to animal), gas return (from animal) and ventilator exhaust

● The ventilator exhaust can be attached to a column of water to achieve PEEP (positive end expiratory pressure) when long term animal ventilation is necessary
● Monitor the PEEP, new tube coupling can easily apply to different sized tube
● The permanent calibrated volume on the air pump will not be damaged
● Volume and speed apply the linear control mode.

Mouse Ventilator

Product Code **AS405V**

Features

The 405 Ventilator features a numerical LED to display there spiratory rate which can be set from 18 to 150 strokes / minutes. Volume and rate settings can be adjusted while the ventilator is running. The piston travels to the end of the cylinder completely emptying the cylinder and minimising the dead space of the breathing circuit. The 405 Ventilator has four gas inlet and outlet ports: supply gas in, gas out (to animal), gas return (from animal) and ventilator exhaust. The ventilator exhaust can be attached to a column of water to achieve PEEP (positive end expiratory pressure) when long term animal ventilation is necessary. 405 has the Ability to monitor PEEP. New tubing with graduated connectors can accommodate different size tubing easily. Permanent etched volume graduations on the cylinder so they can't rub off. Volume and rate control are linear.

Specifications:

The Model 405 Ventilator comes standard with one piston and cylinder assembly. This ventilator allows tidal volumes to be set from 0.1 to 1.0cc in 0.1cc increments. Setting the cylinder stroke between gradations it is possible to achieve finer resolution in tidal volume settings.

Anesthesia Ventilator

Product Code **ASAV800**

The AS AV800Vet is great for research, university, emergency and critical care facilities.

The AS AV800 ventilator is time-cycled and volume or pressure-controlled, and offers pressure and volume monitoring in spontaneous mode. It provides the physician with a flexible, simple and easy-to-use ventilator for closed circuit or Mapleson D circuit. The ventilator is available with optional manometer and spirometry.

All units are designed to comply with ISO, CE and other international standards. All the selected patient parameters are clearly visible on large, bright LED displays. The audiovisual alarm system has improved alarm features - including alarm mute. The airway pressure control is positioned on the front panel.

SPECIFICATIONS:

Dimensions/ Weight	235 mm x 300 mm x 150 mm / 8.85 kg
Bellows	50 to 1600 ml
Power	90-250 VAC, 47-63 Hz
Tidal Volume	50 to 1600 ml
Rate	4-60 bpm
I:E Ratio	1:0.3 to 1:6
Pressure Limit	10 to 70 cm H2O
Tidal Volume Adjustment	Automatic
Alarm Mute	30 seconds
Low Drive Gas Pressure	Less than 34 PSI
High Airway Pressure	10-70 cm H2O adjustable
High Continuous Pressure	above 30 cm H2O at start of cycle
Low Pressure	L4 to 14 cm H2O PEEP References
Low Tidal Volume	50% of Volume Set (Spirometry)
Mains Failure	1 hour battery backup
Low Battery	5 minutes use
Vent Inop.	Internal or battery failure
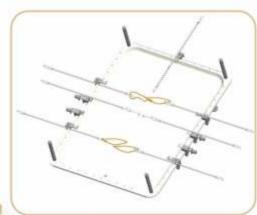
Available options and accessories

- **Multi-mode function**
- **Inspiratory pause and inverse I:E ratio**
- **Compliance compensation**
- **Data print facility**
- **Improved spirometry system**
- **IEEE data outputs**
- **Oxygen or air powered**
- **60 minute battery backup**
- **Small animal bellows assembly**

Multifunction Precision Surgical Board

Product Code **AS9091K**

The Multifunction Precision Surgical Board, uniquely designed with the guide of medical experts, is the most practical and capable surgical device available.

Features:
• Designed with slots, for holding ball chain

• The perimeter slots insert into the microdriver to connect to animal limbs or tissue with the help of various accessories. It will secure the Ball Chain Retractors, offering retraction and place fixing in every direction.

• The unique ball chain microdriver can regulate surgical tissue force conveniently and precisely.Different accessories handle tissue retraction and special surgical needs.

• Rodent plate made of Polyester fibreglass, with the features of smooth surface, no dead space, easy to clean and sterilise, acid proof and alkali proof.

• A drainage hole convenient for animal perfusion and fixing holes on the Four corners of the rodent plate and four stainless steel poles for extended surgery.

• The base plate is 372mm x 276mm and recess inside structure in the middle of the plate which is easy to hold the animal firmly.

• The slots are bidirectional alignment vertical and horizontal with increments in 0.5mm as microdriver rotating in a circle.

• Equipped with various accessories to achieve surgical operations such as place positioning, skin retraction, bone and muscle surgery, etc.

• With optional multi-direction lifting and tilting stand, you can choose ventral / dorsal and anterior/posterior travel of 20° ,40° ,60° tilt; stand lifting adjustment ranges 150-200mm.

• With optional constant temperature heating device, ensures the temperature of the plate surface at 45 °. It keeps the animal surgery body temperature stable and also avoids injuries from excessive heating.

1 - Hook with Ball Chain - 0.5mm   2 - Hook with Ball Chain - 2.5mm
3 - Hook with Ball Chain - 5.0mm   4 - Alligator Clip with Ball Chain
5 - 'O' Ring with Ball Chain for Incisor 6 - Line wilth Ball Chain fotr limb

Absorbent Under Pads

In the process of animal surgery, the work area is inevitably covered with hair, blood stains, excreta, drug, etc. which contaminate the instruments and surgical platform. With the use of absorbent under pads, it is easy to protect lab ware from breakage creating a comfortable and tidy environment for experiments and teaching.

These absorbent under pads have a three-layer construction. Each under pad contains a top sheet, a middle sheet with two layers of tissue to absorb the fluid. The backing sheet is a waterproof layer to prevent liquid seepage. Each pad acts as a cushion to protect the lab ware and platform from moisture.

Product Code	**AS69007**	Pad for Rats	248 x 182 mm	100 pack
Product Code	**AS69008**	Pad for Mice	95 x 65 mm	100 pack

252-Dual Syringe Infusion/Withdrawal Pump

Product Code **AS252IWP**

Features

- Holds two syringes, 10ul to 140ml each
- Large bright LCD screen display with rate, volumes and syringe inner diameters
- The time elapsed and continuous dispense volume display
- Preset volume control and automatic shut off
- Volume and the unit of infusion rate are selective
- Settings can be reviewed or changed during operation
- Settings can be stored in the Non-Volatile memory after power off
- Custom parameters can be stored (up to 32 sets of data)
- Driver block can be adjusted to protect syringe
- Stall detection
- Built-in RS232 interface for computer linking or daisy chaining up to 100 pumps
- Multiple mode selection
  Infusion
  Withdrawal
  Infusion then withdrawal
  Withdrawal then infusion
  Continuous cycle
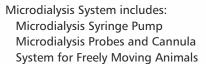
Microdialysis Pump

Product Code **AS**

This compact, flexible, dual syringe pump with low pulse-free flow rates is suitable for microdialysis and other low flow experiments. The flow rates are shown on the LED displays. It fits microdialysis syringe, for brain, blood vessel and other tissues.

Features

- Holds two syringes and independently controls 1-10ml syringes
- Flow rate ranges 0.01 ul/min to 20 ul/min
- Advance rate:2.4um/min-1.2mm/min
- Power:10W, remote control capable - Quick advance and withdrawal
- Human-machine interface: preset infusion volume, rate and syringe inner diameter
- Key settings: start, stop, quick advance, quick withdrawal, confirm, digit key
- Power-fail memory, EEPROM save the presetting parameters

Microdialysis System includes:
  Microdialysis Syringe Pump
  Microdialysis Probes and Cannula
  System for Freely Moving Animals

Accessories:
Syringe, Tubing, Adaptors, Screw, collector

Micromotor drill
Product Code **AS78001K**

This kit is ideal for high speed applications up to 38,000rpm. Micromotor technology allows the hand piece itself to contain the motor, whilst retaining a slender profile for easy hand grip. The high speed drill is configured for stereotaxy surgery, particularly in soft skull animals such as rats and mice. The microdrill can be secured to the stereotaxy instrument by the microdrill holder and controlled by the manipulator.

Product Code	**AS78021**	Flat Tip Drill Bit	0.8mm
Product Code	**AS78023**	Flat Tip Drill Bit	1.2mm
Product Code	**AS78026**	Flat Tip Drill Bit	1.8mm
Product Code	**AS78028**	Flat Tip Drill Bit	2.3mm

Warm Temperature Platform and Regulator
Product Code **AS9105K**

This temperature controller is designed to maintain the animal's body temperature at a pre-set target value during anaesthesia. A thermistor probe provides feedback to the controller with the animal's body temperature. The controller adjusts the current to the heating pad as needed to maintain the desired body temperature. The circuit is well designed without electrical noise and is good for long time electro-physiology study.

Fibre-Lite Illuminator

The best choice for laboratory lighting requirements is the Fiber-Lite Illuminator, which is compact in size, generating white light and quick starting. Fiber-Lite Illuminator will bring you a clear view of the sample under a normal indoor luminous environment, without affecting the observations.

Features :
- Dual-Pipe fibre optic coaxial lighting, provides better field of view
- Stable output voltage, makes the bulb safe and reliable looks compact and elegant
- Generates no heat and does not change colour of blood

Application: illuminant device used for animal operations or microscopy

Specifications:
Input Power: 230V AC/50Hz
Bulb Power: 21V, 150W
Rated Life: about 300h
Color temperature: 3200K, colour correction filters are optional (3000-6500k)
Function: constant lighting
Type of Cooling: Air cooling
Weight: 2.76Kg
Dimension: 280 x 100 x 165mm
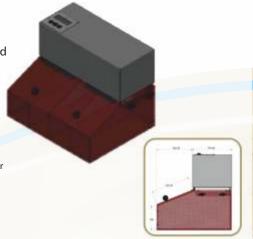
Warm Air System - Small

The integrated heater and chamber design, is a fully modular unit, with the heat controller easily removable for easy cleaning. The chamber, manufactured from either red or clear Perspex is supplied complete with four separate compartments. Temperature within the chamber is controlled with a remote thermocouple, the desired temperature is then simply input using the dial on the heater unit. Twin fans within the heater unit, ensure an even distribution of heat throughout the chamber.

PLEASE NOTE: We are able to manufacture any configuration of chamber system - if you have a specific idea, please contact us and we would be pleased to offer quotations and drawings. Ideal for use within Safety Cabinets etc. A larger system is available in Clear and Red.

Code	**ASHE011A**	Code	**ASHE011AR**
Description	Warm Air System	Description	Warm Air System
Size / Type	Small / Clear	Size / Type	Small / Red

Infra-Red Brooder and Heat lamp and Stand

Code	**ASN0233A**
Description	Infra-red brooder lamp with aluminium shade complete

Code	**ASN0272A**
Description	Infra-red lamp globe 150/175 watt

Code	**ASPS**
Description	Adjustable height pedestal stand for above

Thermostat for Warming Pads

Code	**ASSHPAT**
Description	Wall plug thermostat to suit any heat pad. Controllable from 0 - 40°c

Cosy Heat Pad

Code	**ASCHP-RP**
Description	8 Watt Animal Cosy Heat Pad

HotDog Warmer – for all animals

Product Code: **ASHBCU**

Controller

- 3 heat settings and 2 over-temperature alarms to safely meet all of your patient warming needs
- Lightweight, portable, and easy to move between cases
- Quiet operation
- Free-standing or IV pole mountable
- Low maintenance, with virtually no moving parts
- Cable easily fits through the cage slats for post op warming
- 2 year warranty

Blankets

Blanket sizes to fit cats, small and large dogs, rabbits, ferrets, lab mice, birds and other exotics.

ASHDB2530	XSmall	255 x 305mm
ASHDB2558	Small	255 x 585mm
ASHDB4156	Medium	410 x 560mm
ASHDB5679	Large	560 x 790mm
ASHDB6812	XLarge	685 x 1195mm

GREAT FOR ALL YOUR WARMING NEEDS!

- Reusable – environmentally friendly
- Heavy-weight nylon outer shell resists punctures
- Easy to clean
- Warms up in just a few minutes
- Flexible – use over, under or around the patient
- Includes adjustable straps that can be used to maximize contact and heat transfer
- 1 year warranty

Hot Dog vs. Competition	Hot Dog	Hot Air (Bair Hugger)	Hot Water
Effective warming	✓	✓	
Even heat distribution	✓		
Low ongoing cost	✓		
Durable waterproof blankets	✓		
Easy to clean	✓		
Won't dry EKG leads or mucous membranes	✓		✓
Maintenance-free controller	✓		
Quiet operation	✓		✓
Fast warm-up time	✓	✓	
Small and light for ease of use	✓		
No blowing air on surgical site	✓		✓
Easily fits through cage slats	✓		✓
Won't incubate bacteria	✓		
Environmentally friendly	✓		✓
Energy efficient	100 watts	800 watts	Up to 800 watts

Hot dog warming is an improvement over infrared heat lamps, heated O.R. tables, microwave disks, heated water bottles, Gaymar T/Pump®, etc. for treatment of anaesthesia induced hypothermia.

Warming Tray
ASWT1

The warming tray has many uses including slide drying, warming small containers, etc.

Accurate temperatures are maintained to within 25mm of the edge of the plate. Temperature control is proportional, the element indicator will glow until a few degrees before the set temperature is reached. At this point the indicator will begin to alternate on and off, signifying that proportional control is in operation. The indicator will remain mostly off whilst the temperature is being maintained.

ASSWC72

ASSWC36

ASSWC24

Digital Laboratory Animal Science Warming Cabinets

The warming cabinet is especially suited for blood sampling of large groups of animals where it is important that the temperature is electronically controlled. It is much easier to take blood samples from small animals if the body temperature has been raised. Furthermore the animal is exposed to less stress and discomfort.

The warming cabinet can also be used for post-operative care of anaesthetised animals which it is important to keep warm after an operation.

ASSWC features include:
- Full view glass door
- 240V 50Hz operation
- Digital control
- Adjustable shelves
- 2 Fixed Shelves (ASSWC72 only)
- Additional adjustable shelves available
- Audible and visual over-temp alarm
- Keyed temperature lock-out
- .35kw/hr
- Programmed in Celsius temperature
- Mobile trolley (optional)

Cage capacity

The shelves are equipped with guides, the shelves can act as cage lid. Optionally delivered with cages. The shelves act as conventional shelves and other types of cages can be used e.g. during post-operative care.

	ASSWC36	ASSWC72	ASSWC24
Type2000	2	5	1
Type1500	3	6	2
Type 1291 (III-H)	6	12	4
Type 1290 (III)	6	12	4
Type1284(II-L)	9	27	6
Type1264(II)	9	27	6
Type1145	12	36	8

Options			
Fold-down table	✓	✓	✓
Transport handle	✓	✓	✓
Removable cage shelf	✓	✓	✓
Power outlet socket	✓	✓	✓
Optional Red Tint Door	✓	✓	✓

Optionally on wheeled trolley at working height.

Dimensions	Width	Depth	Height
ASSWC24			
External	765	675	625
Internal	660	585	390
ASSWC36			
External	765	675	915
Internal	660	585	635
ASSWC72			
External	765	675	1895
Internal	660	585	1550

Euthanasia Cabinet
Multi-purpose CO2 Cabinet
Product Code: **ASEC1**

The Able Scientific Euthanasia Cabinet turns the unpleasant task of euthanising animals into a simple and unemotional procedure.

The cabinet has methodological flexibility in that it can be used to batch euthanise or to process 3 cages at a time for in cage euthanasia. A flow meter and control is included so CO2 can be accurately dispensed at the optimal fill rate of 20% environmental volume per minute.
For safety, the cabinet it fully airtight and is fitted with a gas scavenging unit.

Able can custom build the cabinet to your dimensional specifications, though the standard size is large enough to process 3 standard size rat or mice cages or 2 large rat cages.

Features
- Mobile Cabinet
- 2 lockable and 2 fixed swivel castors
- Gaslift assisted lid
- Large viewing window
- 3 CO2 pipeout internal

Options
- CO2 Gas heater
- CO2 Flowmeter

Stability - The wide base and large lockable castors give the cabinet more than ample stability

Ease of use - The simple process of operation, large lockable castors for mobility, quick-coupling gas connections and the gas-lift assisted lid, all contribute to making the euthanasia cabinet very easy to use.

Life span and Maintenance - The cabinet will last indefinitely and the only maintenance would be the replacement of the lid seal once a year (if that)

Cost of operation - 200 litres of gas (enough to fill an empty cabinet) cost about 22 cents - Your savings on Vet cost would pay for the cabinet 1 ½ times in the first year of use!

Automatic CO2 Delivery Unit
Product Code: **AS044**

A fully automated CO2 Euthanasia system designed to supply gas for a pre-set time to a chamber of your choice.

Features Include:

- Simple Operation
- Gas tight quick release fittings to chamber to prevent any loss of gas if unit is left running while disconnected from chamber.
- Will suit any size of chamber. Fill rates can be calculated as follows
- Volume of Chamber (litres) = Flow Rate (litres per minute)
- Desired Running Time
- Accurate digital timer, with options in minutes, seconds or fractions of seconds.
- Will suit either cylinder gases (regulator required) or piped gas installations.

Pre-Set CO2 System-1 Chamber-S/S Housing
Product Code: **AS044AX**

A product very similar to our already popular Auto Co2 Delivery Unit but without the need for calculating chamber volumes to obtain the correct CO2 concentration.

This system has 3 pre-set settings. Each of the settings is calculated for use with one of our small, medium or large CO2 chambers.

- Simple operation
- Automatically provides a 20% rising concentration.
- No discrepancy between procedures
- Simple wall mount installation
- Accepts cylinder and / or piped gases (high pressure tube provided)

The stand and chamber are for display purposes only

Single Cage Automated CO2 Unit
Product Code: **AS047**

A fully automated CO2 Euthanasia system designed to supply gas for a pre-set time to the animal in their home cage (with the lid removed).

Simple operation incorporating the following features…

- Preprogrammed to a 20% rising concentration to eliminate discrepancy between cycles.
- CO2 Distributed via a plenum chamber through the lid to ensure even CO2 distribution for accurate rising concentration.
- A Simple dump vent allows all CO2 to drain between procedures.
- Will suit either cylinder gases (regulator required) or piped gas installations.

CO^2 Work Station
Product Code: **AS043**

Similar in basic principle to them Automatic CO2 Delivery Unit,
except mounted on a fully stainless steel trolley with the facility to house
2 x Size F CO2 Cylinders

- Quick changeover between cylinders using splitter valve
- Supplied complete with Large and Medium Chambers (clear or red– see above)
- Supplied complete with CO2 Regulators to suit Size F Cylinders
  (Order Code AS025)

Guillotines

Code	**ASNG701-S**
Description	Small 2" Cutting Edge

Code	**ASNG702-M**
Description	Medium 4" Cutting Edge

Code	**ASNG703-L**
Description	Large 6" Cutting Edge

Economy CO^2 Chamber

Code	**ASM1CO2-PC**
Description	Polycarbonate AS340 CO2 Chamber complete with seal Self drill for gas tube insert

Code	**ASMB1CO2-PC**
Description	Polycarbonate AS980cm2 CO2 Chamber complete with seal Self drill for gas tube insert

Code	**AS2000CO2-PC**
Description	Polycarbonate AS2000cm2 CO2 Chamber complete with seal Self drill for gas tube insert

Many other sizes available

Deluxe CO^2 Chamber

All include sliding lids and male quick release fittings.

- Perforated PVC false floor
- Diffuser pipe fitted beneath false floor to ensure even distribution of anaesthetic
- All pipe connections at one side to increase work space

Code	**AS045**
Description	Small CO^2 Chamber - White Perspex with Clear Lid
Dimension L x W x H (mm)	250 x 100 x 100

Code	**AS045A**
Description	Medium CO^2 Chamber - White Perspex with Clear Lid
Dimension L x W x H (mm)	300 x 200 x 200

Code	**AS045B**
Description	Large CO^2 Chamber - White Perspex with Clear Lid
Dimension L x W x H (mm)	450 x 300 x 300

Code	**AS045R**
Description	Small CO^2 Chamber - Red Perspex
Dimension L x W x H (mm)	250 x 100 x 100

Code	**AS045AR**
Description	Medium CO^2 Chamber - Red Perspex
Dimension L x W x H (mm)	300 x 200 x 200

Code	**AS045BR**
Description	Large CO^2 Chamber - Red Perspex
Dimension L x W x H (mm)	450 x 300 x 300

Please note that all chambers are supplied as standard with Male Push on Fittings, suitable for a tubing connection or to a female quick release inlet. If you require any other fittings on the chamber – please Inquire.

Safety Rodent Barrier

Code	Description	Size Height (mm)
ASFM100	Supplied complete with side runners and fixings	450

Eco-Barrier for Rodents

Code	Width (mm)	Size Height (mm)
ASEBF100	750	450
	or as required	

Custom sizes available - 1800 73 1300

Animal Facility Fire and Security Alarm system

Minimum Voltage: 10V DC
Wattage: 5W
Compliancy Rating: CE Marked (electromagnetic compatibility (EMC) Regulations 1992) and UL Case Tough, durable, high impact powder coated case Mounting Wall plate mounted using pre-drilled holes

Installation: Internal terminal block

Operating at a special, certified sound frequency means your animals do not get disturbed, yet staff finds it loud and prominent

Code	Dimensions W x D x H (mm)	Sound Output	Voltage V DC	Qty
ASSILENTONE	219 x 140 x 100	97dB@450mm	24	1

Adhesive Card Holders

Code	Description
ASACH	Adhesive Card Holders. Packs of 10.

Able's Cage and Identification Cards

NB	Code	Description	Qty/Ctn
A	ASICPOS-W	White Identification Cards printed one side 125 x 75mm	250
B	ASCCPBS-B	Blue Cage Cards printed both sides 125 x 75mm	250
C	ASCCPBS-Y	Yellow Cage Cards printed both sides 125 x 75mm	250
D	ASCCPBS-P	Pink Cage Cards Printed both sides 125 x 75mm	250

MINIMUM ORDER 1 x PACK/250. Other sizes available: Landscape or portrait.

Removable/Permanent Stickers and Labels

NB	Code	Description
A	ASRBSRL	RBS Label 500/Box 25mmØ
B	ASGMRL	GM Label 500/Box 25mmØ
C	ASTGRL	Tg Label 500/Box 25mmØ
D	ASKORL	Ko Label 500/Box 25mmØ
E	ASCULLRL	CULL Label 500/Box 50x25mm
F	ASSICKPL	Sick Label 500/Box 50x25mm
G	ASPC2LAPL	PC2 Label 100/Box. Permanent autoclavable 50^{2}mm
H	ASPC2SAPL	PC2 SML Label 100/Box. Permanent autoclavable 25^{2}mm
-	AS25RL	Plain Label 500/Box. 25mmØ
-	AS5025RL	Plain Label 500/Box. 50x25mm

Many other sizes, styles and colours available. AS5025RL-G GOLD. AS5025RL-P PINK. Please call for assistance.

ASBBS	Body Bag Labels 125x75mm Permanent

Goldenrod Animal Lancet

With the Goldenrod Animal Lancet you can now take multiple blood samples from smallanimals in the same day and never lose or hurt an animal. Speed up the blood collecting process with this specially designed sterile disposable blood lancet that is inexpensive, easy, fast to use and humane. Available in three point lengths: 4mm, 5mm, and 5.5mm, for various size animals and blood volumes required. Easily draw one or two drops to a 1/2 mil.

- Safe – Won't hurt the animal
- Consistent amounts ofblood each test
- Quick Recovery – The animal is not affected
- Fast – Sterile ready for use
- Humane - Similar lancets are used on humans

- Easy to Use – Works every time
- Rapid Collection – Blood flow stops in seconds
- Allows Multiple Tests of the same animal
- Disposable – No cross contamination
- Inexpensive – Reduce research costs

Code	Description
ASGRL-R3	All Ages - 3mm point (Packs of 1000 Lancets)
ASGRL-R4	2 to 8 weeks old - 4mm point (Packs of 1000 Lancets)
ASGRL-R5	2 to 6 months old - 5mm point (Packs of 1000 Lancets)
ASGRL-R6	Over 6 months old - 5.5mm point (Packs of 1000 Lancets)

FOR 1-2 DROPS: POINT LENGTH FOR MICE 3mm POINT LENGTH FOR RATS 5mm

Able Scientific's durable plastic cages are made to withstand repeated handling, washing, disinfecting and contact with animal wastes.

Using plastic materials offer warm surfaces that are ideal for housing laboratory animals. They are convenient to use, clean, maintain and dispose. Each cage is available in polycarbonate, polypropylene, polysulfone and polyphenylsulfane.

Each cage is also available with aluminium cage rack, filter top, high grade Stainless Steel wire lid, water bottles and caps to meet the individual's desired specifications.

2 YEAR WARRANTY ON ALL POLYSULFONE CAGES!

POLYSULFONE

- Autoclavable @ 134°C x 1000 +cycles
- Clarity to 75%, gold tint for optimum light intensity
- 90% Transparent
- High impact strength, resists chemicals and solvents.
- Withstands continuous autoclave cycles

POLYCARBONATE

- Autoclavable @ 121°C
- Transparent
- Exceptional impact strength
- Exceptional heat resistance
- Easily affected by hydrolysis from autoclaving and alkaline residuals from steam generators

POLYPROPYLENE

- Autoclavable @ 134°C
- Highly resistant to chemical attack
- White, translucent or opaque plastic
- Warm surface plastic
- Light weight and quiet to use

POLYCLEAR

- Autoclavable @ 115°C
- Lightweight
- High Clarity
- High Impact Strength
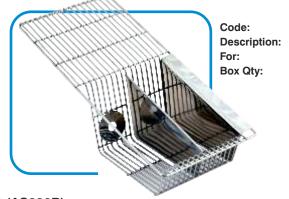
Code: : **M1 (AS340)**
Size: 336 x 159 x 129mm - Floor Area - 350cm^2
For: Mice
Box Qty: 30

Code: **M1 (AS340L)**
Description: Flat Top Lid
For: Mice
Box Qty: 20

Code: : **M2 (AS330B)**
Size: 333 x 161 x 129mm - Floor Area - 340cm^2
For: Mice
Box Qty: 30

Code: **M2 (AS330L)**
Description: Flat Top Lid
For: Mice
Box Qty: 20
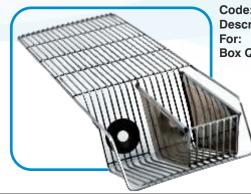
Code: : **M3 (AS500B)**
Size: 487 x 159 x 129mm
Floor Area - 510cm^2
For: Mice / Holding / Breeding
Box Qty: 20

Code: **M3 (AS500L)**
Description: Flat Top Lid
For: Mice
Box Qty: 40

OPTIONAL		LID OPTIONS					SPECIES
LID WITHOUT DIVIDER	LID WITH DIVIDER	RAISED HEIGHT (mm)	TOP (mm) INTERNAL	TOP HATCH ACCESS (mm)	DROP IN HOPPER		
					RAT	GUINEA PIG	
✓	✓	50	170	-	-	-	MICE

Rodent Caging AS330/AS340 Suspension Racks

# of Cages per Rack	Length (cm)	Width (cm)	Height (cm)
48 Cage - 8 cages (h) x 6 cages (w)	140	35	130
56 Cage - 8 cages (h) x 7 cages (w)	140	35	148
64 Cage - 8 cages (h) x 8 cages (w)	140	35	143
72 Cage - 8 cages (h) x 9 cages (w)	140	35	158
96 Cage - 8 cages (h) x 6 cages (w) x 2	140	65	148
128 Cage - 8 cages (h) x 8 cages (w) x 2	140	65	143
144 Cage - 9 cages (h) x 8 cages (w) x 2	140	65	158

- Wheel base - 46cm
- 64/72 cage compact sizes
- Other sizes available
- Square aluminium tube mobile on 4 castors - 2 braked
- Stainless steel available
- Also available with grid and tray

Fits standard 7 or 9 tier shelf racks
7 tier : holds 70 cages
9 tier : holds 90 cages

Rodent Caging AS500 Suspension Racks

# of Cages per Rack	Length (cm)	Width (cm)	Height (cm)
56 Cage - 7 cages (h) x 8 cages (w)	140	50	148
64 Cage - 8 cages (h) x 8 cages (w)	140	50	143
72 Cage - 9 cages (h) x 8 cages (w)	140	50	158

- Wheel base - 56cm
- 64/72 cage compact sizes
- Other sizes available
- Square aluminium tube mobile on 4 castors - 2 braked
- Stainless steel available
- Also available with grid and tray

Fits standard 7 or 9 tier shelf racks
7 tier : holds 70 cages
9 tier : holds 90 cages

Standard 7 or 9 tier Rack

Making Life Easy!

Code: : **MB1 (AS980B)**
Size: 451 x 283 x 129mm
Floor Area - 970cm^2
For: Mice / Rats / Stack Holding / Breeding
Box Qty: 10
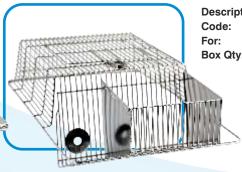
Description: 80mmH Top Lid
Code: **MB1 (AS980HTL) - SS**
For: Mice
Box Qty: 20

Description: Flat Top Lid
Code: **MB1 (AS980L)**
For: Mice
Box Qty: 20

Description: 80mmH Top Lid with hatch
Code: **MB1 (AS980HTHL) - SS**
For: Mice
Box Qty: 20

OPTIONAL		LID OPTIONS					SPECIES
LID WITHOUT DIVIDER	LID WITH DIVIDER	RAISED HEIGHT (mm)	TOP (mm) INTERNAL	TOP HATCH ACCESS (mm)	DROP IN HOPPER		
					RAT	GUINEA PIG	
✓	✓	85	205	150 x 130	D-RF	-	MICE & RAT

Rodent Caging AS980 Racks

# of Cages per Rack	Length (cm)	Width (cm)	Height (cm)
30 Cage - 6 cages (h) x 5 cages (w)	157	46	127
36 Cage - 6 cages (h) x 6 cages (w)	157	46	142

• Wheel base - 46cm
• 64/72 cage compact sizes
• Square aluminium tube mobile on 4 castors - 2 braked
• Stainless steel available
• Also available with grid and tray

Fits standard 7 or 9 tier shelf racks
7 tier : holds 42 cages
9 tier : holds 54 cages

FLAT TOP LIDS ALSO AVAILABLE

Code: : AS2000B
Size: 592 x 405 x 205mm - Floor Area - 2200cm^2
For: Rats / Guinea Pigs / Ferrets
Box Qty: 10

Code: AS2000HTHL-SS
Description: High Top Lid with Hatch
For: Rats
Box Qty: 6

Code: ASDIF-SS
Description: Drop-in Feeder to suit AS2000 High Top Lids
Box Qty: 6

Code: ASDIFGP-SS
Description: Drop-in Guinea Pig Feeder to suit AS2000 High Top Lids
Box Qty: 10

Code: AS2000HTHLDF-SS
Description: Flat Top Lid
For: Mice and Rats
Box Qty: 10

OPTIONAL		LID OPTIONS					SPECIES
LID WITHOUT DIVIDER	LID WITH DIVIDER	RAISED HEIGHT (mm)	TOP (mm) INTERNAL	TOP HATCH ACCESS (mm)	DROP IN HOPPER		
					RAT	GUINEA PIG	
✓	✓	80	280	200 x 200	D-RF	D-GPF	MICE / RAT & GUINEA PIG

Service Trays

Service trays are available for AS980 and AS2000 cages and are made from high quality polypropylene. These can be used in conjunction with grid floors to collect waste and excreetement

Code: MB1WT-PP
Description: Service Tray Polypropolyne
Size: 450 x 280 x 40H

Code: AS2000WT-PP
Description: Service Tray Polypropolyne
Size: 555 x 375 x 40H

Code	Description	Dimensions	Box Quantity
ASNKP-14378	Horizontal Card Holder with spring. Stainless Steel Also available in Galvanised	143L x 78H	100
ASNKP-12778	Horizontal Card Holder with spring. Stainless Steel Also available in Galvanised	127L x 78H	100
ASCHWH-13078	Horizontal Card Holder with spring. Stainless Steel Also available in Galvanised	10L x 78H	100

Wire False-floors

Mesh bottom cages are basically solid bottom cages with the base cut out and replaced with an electro polished 304 Stainless Mesh Floor. They are ideal for experimental reasons, when rodents need to be housed on mesh floorings and the excrement can be collected from a separate service tray beneath.

Also available, as featured, is the raised mesh bottom which is suitable for any cage with a solid base. This is the most simple way of separating the animals for their excrement.

Codes:	Description:
AS340GF	Solid bottom cage with the base cut out and replaced with an electro polished A1S1304 Stainless Steel Mesh Floor
AS980GF	
AS2000GF	

Codes:	Description:
AS340RGF	Raised mesh bottom for any cage with a solid base
AS980RGF	
AS2000RGF	

Able Scientific has a filter top for the M1, MB1 and AS2000 with others available on request.

3 Sided Filter cover: Reduces ammonia, carbon dioxide and humidity levels by the spontaneous airflow through 3 surfaces in the filter cage environment.
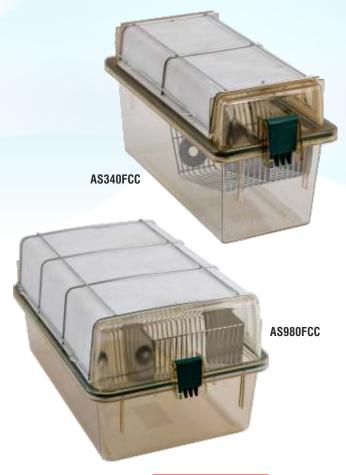
99% Total open filter area: Respectively giving total diffusable convection air displacement. 89% retention of 1-6u particles.

Integral silicone SEAL: For total protection of Air Borne contaminants and micro environment inside cage.

Stackable Able Filter tops: Available in any plastic.
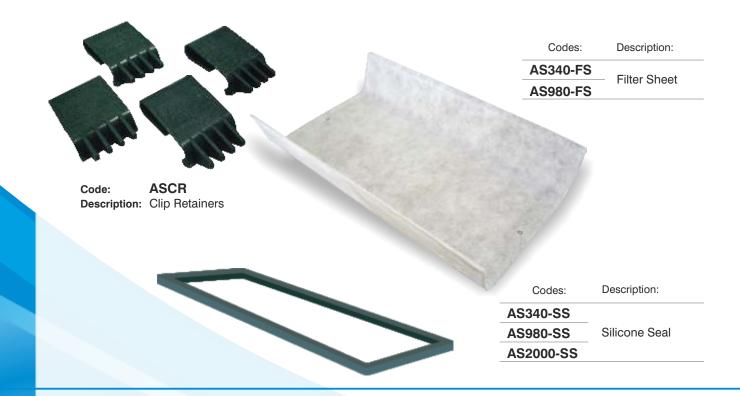
Dual retaining clip: Prevents accidental dislodgement of filter cap and gives full security to your Barrier Contained cage Control.

Wire support frame for Filter sheets: Positive seal all round.

AS340FCC

AS980FCC

AS2000FCC FILTER TOP AVAILABLE

Making Life Easy!

Code: **ASCR**
Description: Clip Retainers

Codes:	Description:
AS340-FS	Filter Sheet
AS980-FS	

Codes:	Description:
AS340-SS	
AS980-SS	Silicone Seal
AS2000-SS	

HEPA Filter Paper for All Cages/Manufacturers/Styles

Able Scientific holds stock of large rolls which are die-cut to suit every cage.

Contact us to confirm your cage style and if we don't already stock your size we will manufacture to suit

Code: **AS980FS**
Pack Quantity: Packs of 50

Code: **AS340FS**
Pack Qty: Packs of 50

Code: **AS2000FS**
Pack Quantity: Packs of 50. This is a universal size - Same as the XJ

Code: **AS4300ERS-3**

Able Scientific's enriched rat cage rack system has a number of housing benefits including improved social interaction in an enriched environment and greater provision for long term/ lifetime studies where a wide range of natural behaviour can be displayed.

We have used the foot print design of our popular EC2 rabbit caging in this rat cage system, enhanced with solid 4320cm^2, Noryl Plastic cage base, permitting the use of Able Scientific's Enrichment bedding and thus providing a cleaner and drier environment for the animals.

Options:

The rack is available as a fully autoclavable unit and can be fitted with an automatic watering system.

Noryl cage base atoclavable at 121°C

Washing and cleaning:

Able Scientific's enriched rat cage rack is designed to be cleaned in a rack washer at 85OC, cages, roof and resting shelves can easily be removed from the cage to allow the rack washer to clean every corner of the rack system.

Capacity:

Depending on the body weight of the rat, we recommend between 8-16 rats (400g) per c age.

Dimensions

External Rack Dimensions:

(L) 895 x (W) 685 x (H) 1815mm

External Cage Dimensions:

(L) 823 x (W) 662 x (H) 110mm

Internal Cage Height: 460mm

Exercise ladder

S/S Doors protect cage and have safe seal against runaway rats

Stainless Steel centre bent sipper

Removable polypropylene resting shelf/shelter

Graduated Polypropylene Water Bottles

Code: AS1000WB-PP
Description: 1000ml

Code: AS500WB-PP
Description: 500ml

Code: AS600SQWB-PP
Description: 600ml

Code: AS300WB-PP
Description: 300ml

Code: AS250SQWB-PP
Description: 250ml

Graduated Polysulfone Water Bottles

Code: AS300SQWB-PS
Description: 300ml

Code: AS450SQWB-PS
Description: 450ml

Code: AS750SQWB-PS
Description: 750ml

Graduated Polycarbonate Water Bottles

Code: AS600SQWB-PC
Description: 600ml

Code: AS250SQWB-PC
Description: 250ml

Code: ASCBC
Description: Conical Bottle Cap

Code: AS250BC
Description: 25mm Nozzle Cap
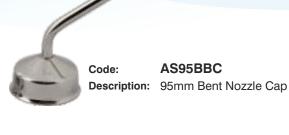
Code: AS50BC
Description: 50mm Nozzle Cap

Code: AS95BBC
Description: 95mm Bent Nozzle Cap

Code: AS125BCN
Description: 125mm Nozzle Cap with No Balls

Code: AS65BC
Description: 65mm Nozzle Cap

Rubber Bottle Bungs

Code: AS200B-GR
Description: Dome Top 36-28mm Double Seal 10 x life span
Feature: Specially designed dome bung to reduce RSI in cage facilities

Code: AS150B-GR
Description: Flat Top 38-28mm 10 x life span

Code: AS100B-BR
Description: Flat Top 36-28mm Double Seal

Code: ASLOR-S
Description: Large White Double Silicone Seal

Code: AS50B-BR
Description: Flat Top 29-22mm Double Seal

Code: AS30B-BR
Description: Flat Top 38-22mm

Code: AS25B-BR
Description: Flat Top 25-22mm

Code: ASBO-S
Description: Bottle 'O Rings/ Green Silicone

Stainless Steel Bottle Crates

Code: AS15BC-SS
Description: 600ml/1Lt Bottle

Code: AS24BC-SS
Description: 250/500ml Bottles

Code: AS28BC-SS
Description: 250/500ml Bottles

Code: AS20BC-22
Description: 450/500ml Bottles

Stainless Steel Cap Remover

Code: ASCR-SS
Description: Easy remove S/S Bottle Caps
Dimensions: 80mm x 250mmH

Ball Sipper Tubes

Code:	**AS100B**
Description:	25mm Bent 30^0

Code:	**AS125B**
Description:	25mm Bent 30^0

Code:	**AS150B**
Description:	25mm Bent 30^0

Code:	**AS50S**
Description:	50mm Straight

Code:	**AS65S**
Description:	65mm Straight

Code:	**AS90S**
Description:	90mm Straight

Code:	**AS115S**
Description:	115mm Straight

Code:	**AS140S**
Description:	140mm Straight

Code:	**AS150C**
Description:	Centre Bent 30^0

Code:	**AS125C**
Description:	Centre Bent 30^0

Code:	**AS100C**
Description:	Centre Bent 30^0

Sipper Accessories and Spare Parts

Code:	**ASFPBH500**
Description:	Adjustable height hanging 500ml bottle holder

Code:	**ASFPBH1000**
Description:	Adjustable height hanging 1L bottle holder

Code:	**ASLV2000**
Description:	Automatic watering sippers. Leakproof. Rats and Mice

Code:	**ASLV25**
Description:	Automatic watering sippers. Rats and Mice

Code:	**ASLV125**
Description:	Automatic watering sippers. Rodents and Rabbits

Code:	**ASTVC-SS**
Description:	Auto Watering Sipper Tube Core

Code:	**ASTVFS-SS**
Description:	Auto Watering Sipper Tube Filter

Manual Bottle Crate Fillers (custom sizes available)

Code:	**AS15MBF-SS**
Description:	Suits 600ml-1L 15 place crates Bottle Filler

Code:	**AS28MBF-SS**
Description:	Suits 250-500ml 28 place crates Bottle Filler

Code:	**AS24MBF-SS**
Description:	Suits 250-500ml 24 place crates Bottle Filler

Making Life Easy!

From the beginning of 2008, Animal Ethics Committees and Advisors have taken big steps towards ensuring comfortable, safe, natural and easy-to-work-with housing solutions, which are used wherever possible. One of these comfortable, safe, natural and easy-to-work-with solutions are Floor Pens .

Yes, they take up more space. BUT the advantage is they are economical, ideal for stock housing, can be easily dismantled and stored when not in use. While achieving this you are allowing your animals to develop a more natural range of behavior within a large floor area!

The options are endless too. You can have any:

- wall height
- dimensions or figurations
- coloured
- mobile units
- nesting barns . . .

. . . and the list goes on!

- door width
- clear walls
- mesh wall panels
- in built enrichment

Contact your local representative to customise your floorpen solution

Mesh Panel	Clear Panel	Colour Panel	Blue
			Black
			Grey/White

Anodised Aluminium Open Tier Cage Racks/General Purpose

Code: **AS7TR380-A**
Description: Aluminium 7 tier open shelf rack
Dimensions: 1750L x 380W x 1715Hmm
Rack Holds: 70 x AS340 (M1) 42 x AS980 (MB1)

Code: **AS9TR380-A**
Description: Aluminium 9 tier open shelf rack
Dimensions: 1750L x 380W x 1715Hmm
Rack Holds: 90 x AS330 (M2) 90 x AS500 (M3)

Code: **AS7/9TR380-A**
Description: Aluminium 7/9 tier open shelf rack
Dimensions: 1750L x 380W x 1715Hmm

Interchangeable shelf 7 or 9 tier rack

ULTRA Cage Assista-Lift

Code: **ASUL40-SS**

The Ultra is a Specialist Lab Lifter made from Full high grade Stainless Steel. It shines where space and speed are crucial. It is designed specifically for lights items, and is particularly good for larger Rat cages with features including:

- Variable Lifting speed from 10mm/second up to 150mm/second allows precision height positioning yet fast lifting
- Specially designed for Laboratories, with flat open surfaces being easy to clean and providing no place for dust, dirt or dander to accumulate
- Capable of over 120 complete lowers/lifts without a charge,
- Charging is required only weekly or longer
- Small, Compact Light and Easy to Manoeuvre
- No service or maintenance required
- Overall Dimensions: 670L x 405W x 2025H mm
- Lifting Depth/Height: 200 / 1710 mm
- Utilises an Italian made Drive motor with Special
- Gearing to allow precise lifting/lowering.

Hygienic design
- easy to clean

Large wheels,
easy to move

CUSTOM
DESIGN LIFTERS
AVAILABLE

We are Making Life Easy Everyday

We specifically developed www.able-everyday.com for your everyday needs and we have made ordering easy, saving you time and money.
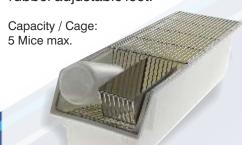
Visit our website today and see how easy it is.

A Fast-Rack package, is a complete breeding setup at a budget cost with quick delivery time. Options for upgrade are available.

A complete system using an advanced proven caging design for breeding purposes.

The rack comes in 2 Fast-Rack configurations for bulk breeding or smaller hobby breeding. It is heavy duty with shelves, adjustable every 25mm and either wheels with 2 lockable, or rubber adjustable feet.

Capacity / Cage:
5 Mice max.

Includes:

Rack with Castors

AS340B-PP	Polypropylene 340cm^2 Cage Bottom
AS340L-SS	Stainless Steel Polished Wire Lid and Hopper
AS300WB-PP	Polypropylene 300mL Graduated Bottle
ASCBC	Stainless Steel Conical Bottle Cap with Silicon Seal

CUSTOM OPTIONS

- 250mL Bottle PP
- 500mL Bottle PP
- Rubber Bung & Sipper
- 50mm Sipper Tube Cap
- Polycarbonate Clear Plastic
- Polysulfone Clear Plastic
- False Floor Caging
- Label Card Holder

Enquire for pricing details

Stand alone non-leak stainless steel valve, automatic watering system. Auto flush. Ask for Pricing.

70 CAGE PACKAGE

Code:	**AS340FMB-70**
Dimension (mm):	1210L x 455W x2035H (1895H with feet)
Description:	Rack & Cages - Fast-Rack AS340 model x 70
Delivery:	3-5days Metro, Australia Wide

35 CAGE PACKAGE

Code:	**AS340FMB-35**
Dimension (mm):	1210L x 455W x2035H (1895H with feet)
Description:	Rack & Cages - Fast-Rack AS340 model x 35
Delivery:	3-5days Metro, Australia Wide
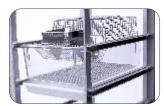
Aluminium Flexi Rack

Stainless Steel Flexi Rack

Solid Shelf Style

Suspension Style Rack

fast-rack
mouse breeding or holding system

A complete system using an advanced proven caging design for breeding purposes.

The rack comes in 2 Fast-Rack configurations for bulk breeding or smaller hobby breeding. It is heavy duty with shelves, adjustable every 25mm and either wheels with 2 lockable, or rubber adjustable feet.

This is a longer cage for bulk holding of larger numbers or trio breeding. It has 500cm^2 floor area.

Capacity / Cage:
5 - 10 Mice max.

Includes:
Rack with Castors

AS500B-PP	Polypropylene 500cm^2 Cage Bottom
AS500L-SS	Stainless Steel Polished Wire Lid and Hopper
AS300WB-PP	Polypropylene 300mL Graduated Bottle
ASCBC	Stainless Steel Conical Bottle Cap with Silicon Seal

CUSTOM OPTIONS

- 250mL Bottle PP
- 500mL Bottle PP
- Rubber Bung & Sipper
- 50mm Sipper Tube Cap
- Polycarbonate Clear Plastic
- Polysulfone Clear Plastic
- False Floor Caging
- Label Card Holders

Enquire for pricing details

Stand alone non-leak stainless steel valve, automatic watering system. Auto flush. Ask for Pricing.

70 CAGE PACKAGE
Code:	**AS500FMB-70**
Dimension (mm):	1210L x 455W x2035H (1895H with feet)
Description:	Rack & Cages - Fast-Rack AS500 model x 70
Delivery:	3-5days Metro, Australia Wide

35 CAGE PACKAGE
|	
Code:	**AS500FMB-35**
Dimension (mm):	1210L x 455W x2035H (1895H with feet)
Description:	Rack & Cages - Fast-Rack AS500 model x 35
Delivery:	3-5days Metro, Australia Wide

Aluminium Flexi Rack

Stainless Steel Flexi Rack

Solid Shelf Style

Suspension Style Rack

A complete system using an advanced proven caging design for breeding purposes.

The rack comes in 2 Fast-Rack configurations for bulk breeding, or smaller hobby breeding or stock holding. It is heavy duty with shelves, adjustable every 25mm and either wheels with 2 lockable, or rubber adjustable feet.

This one is larger, 980cm^2 cage for breeding groups or stock holding.

Capacity / Cage:
9 - 20 Mice max.
3 - 6 Rats max.

Includes:
Rack with Castors

AS980B-PP	Polypropylene 980cm^2 Cage Bottom
AS980L-SS	Stainless Steel Polished Wire Lid and Hopper
AS300WB-PP	Polypropylene 300mL Graduated Bottle
ASCBC	Stainless Steel Conical Bottle Cap with Silicon Seal

CUSTOM OPTIONS

- 500mL Bottle PP
- Rubber Bung & Sipper
- 50mm Sipper Tube Cap
- Polycarbonate Clear Plastic
- Polysulfone Clear Plastic
- False Floor Caging
- High Top Lid with Hatch & Locks
- Label Card Holder

Enquire for pricing details

Stand alone non-leak stainless steel valve, automatic watering system. Auto flush. Ask for Pricing.

Aluminium Flexi Rack   Stainless Steel Flexi Rack   Suspension Style Rack

20 CAGE PACKAGE
Code: **AS980FMB-20**
Dimension (mm): 1210L x 455W x2035H (1895H with feet)
Description: Rack & Cages - Fast-Rack AS980 model x 20
Delivery: 3-5days Metro, Australia Wide

40 CAGE PACKAGE
Code: **AS980FMB-40**
Dimension (mm): 1210L x 455W x2035H (1895H with feet)
Description: Rack & Cages - Fast-Rrack AS980 model x 40
Delivery: 3-5days Metro, Australia Wide

20 CAGE PACKAGE - High Top
Code: **AS980FMBH-20**
Dimension (mm): 1210L x 455W x2035H (1895H with feet)
Description: Rack & High Top Cages - Fast-Track AS980 model x 20 with (2 cages)
Delivery: 3-5days Metro, Australia Wide

With High Top Lid
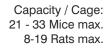
fast-rack
rat or mouse holding system

A complete system using an advanced proven caging design for breeding purposes.

The rack comes in 2 Fast-Rack configurations for bulk breeding or smaller hobby breeding. It is heavy duty with shelves, adjustable every 25mm and either wheels with 2 lockable, or rubber adjustable feet.

This is our largest system with 2200cm^2 for group housing of stack lines.

Capacity / Cage:
21 - 33 Mice max.
8-19 Rats max.

Includes:

Rack with Castors

Code	Description
AS2000B-PP	Polypropylene 2200cm^2 Cage Bottom
AS2000L-SS	Stainless Steel Polished Wire Lid and Hopper
AS600SQWB-PP	Polypropylene 600mL Graduated Bottle
ASCBC	Stainless Steel Conical Bottle Cap with Silicon Seal

CUSTOM OPTIONS

- 500mL Bottle PP
- 1,000mL Bottle PP
- Rubber Bung & Sipper
- 50mm Sipper Tube Cap
- Polycarbonate Clear Plastic
- Polysulfone Clear Plastic
- False Floor Caging
- Card Holder
- High Top Lid 80mm with or without Hatch & Locks

Enquire for pricing details

Stand alone non-leak stainless steel valve, automatic watering system. Auto flush. Ask for Pricing.

10 CAGE PACKAGE

Code:	**AS2000FMB-10**
Dimension (mm):	1210L x 455W x2035H (1895H with feet)
Description:	Rack & Cages - Fast-Rack AS2000 model x 10 (2 bottles/cage)
Delivery:	3-5days Metro, Australia Wide

10 CAGE PACKAGE - High Top

Code:	**AS2000FMBH-10**
Dimension (mm):	1210L x 455W x2035H (1895H with feet)
Description:	Rack & Cages - Fast-Rack AS2000 model x 10 with High Top Lid (2 bottles/cage)
Delivery:	3-5days Metro, Australia Wide
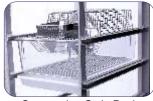
Aluminium Flexi Rack

Stainless Steel Flexi Rack

Solid Shelf Style

Suspension Style Rack

- Fully autoclavable multiple times
- Double wall polypropylene insulates and helps stabilise temperatures
- Light weight material helps keep freight cost down

Up to 5 dividers fitted into either size shipper

Ample space for labelling

A wire lined viewing window ensures safe viewing and no escapees
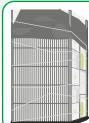
IATA approved markings with required warning text

Double mesh protected filter panel to ensure filters are never damaged or compromised

Tapered sidewalls means filter area can't be blocked and boxes are stackable. Delivered assembled to save time.

Quick strap for greater safety

Delivered stackable and assembled to save you time and cost
- 200 small / pallet
- 100 large / pallet

MINI SHIPPERS

Disposable Small Ship Boxes for internal shipping or short transit times with air vent holes. Optional Mesh and Filter Paper for added protection.

Product Code: **AS400SISFP**
Description: Small Box Flat – Ready to Assemble 400sqcm Mice up to Rats
Qty: Box/50

Product Code: **AS1000SISFP**
Description: Small Box Flat – Ready to Assemble 1000sqcm Mice up to Rabbits
Qty: Box/50 Box/50

FILTER PAPER CODE: **ASSISFP**

MESH INSERT CODE: **ASSISM**

Mesh and Filter Inserts When Assembling

Large Animal Transport Shipper 580 x 370 x 210mm H
Capacity: 30 mice up to 25gm. 5 rats up to 250gm maximum

Code		Box of of
AS1300ATSAS	Animal Transport Shipper Assembled Large	100
AS1300ATSAS1D	Lrg Shipper Assem. W/ 1 Divider	100
AS1300ATSAS1D1W	Lrg Shipper Assem. W/ 1 Divider/window	100
AS1300ATSAS1D2W	Lrg Shipper Assem. W/1 Divider/2 Windows	100
AS1300ATSAS1W	Large Shipper Assembled W/ 1 Intl Window	100
AS1300ATSAS2D	Lrg Shipper Assem. W/ 2 Dividers	100
AS1300ATSAS2D2W	Lrg Shipper Assem. W/ 2 Divider/2 Window	100
AS1300ATSAS2W	Lrg Shipper Assem. W/2 Windows	100
AS1300ATSAS3D	Large Shipper Assembled With 3 Dividers	100
AS1300ATSAS3D2W	Lrg Shipper Assem. W/ 3 Divider/2 Window	100
AS1300ATSAS4D3W	Lrg Shipper Assem. W/ 4 Divider/3 Window	100
AS1300ATSFP	Lrg Shipper Flat Packed	100
AS1300ATSFP+F	Large Shipper Fp With Filter In Lid	100
AS1300ATSFP1W	Lrg Shipper Flat Packed 1/window	100
AS1300FCS	Flywire Cover Seals 710mmx455mm	100
AS1300FW	Fly Wire Complete Box Seal	100
AS1300IATSFP+F	Lrg Intl Flat Pck Shipper W/ Filter In Lid	100
AS1300LD	Large Shipper Divider Loose With Mesh	100
AS1300LS	Large Shipper Air Spacer With D/s Tape	100
AS1300SLD	Solid Large Shipper Divider Loose	100
AS1300VW	Large International View Window	100

Small Animal Transport Shipper Assembled 410 x 320 x 150mm H
Capacity: 12-15 mice maximum

Code		Box of of
AS750ATSAS	Animal Transport Shipper Assembled Small	100
AS750ATSAS1D	Small Shipper Assembled With 1 Divider	100
AS750ATSAS1DW	Sml Shipper Assem. W/ 1 Divider/1 Window	100
AS750ATSAS1W	Small Shipper Assembled W/ 1 Intl Window	100
AS750ATSFP	Small Shipper Flat Packed	100
AS750ATSFP+F	Small Shipper With Mesh Filter In Lid	100
AS750ATSFP1W	Sml Shipper Flat Packed W/1 Window	100
AS750D	Small Fixed Divider With Mesh Stappled	100
AS750FCS	Flywire Cover Seal 400x455mm	100
AS750FW	Fly Wire Complete Box Seal	100
AS750IATSFP+F	Sml Intl Flat Pck Shipper W/ Filter In Lid	100
AS750LD	Small Shipper Loose Divider With Mesh	100
AS750LD-DST	Small Loose Divider With D/sided Tape	100
AS750SLD	Solid Small Shipper Divider	100
AS750SS	Small Shipper Air Spacer With D/s Tape	100
AS750VW	Small International View Window	100

Easy 'tear & pin' setup saves time, eliminates need for scalpels and means no more mess! **See Page 63**

NECTA H₂O

Animal Transport Asscessories

Cat Carrier

Code	Description
ASCCBLC-SS	Cat Carrier Complete S/Steel Lid with handle,lockable and PP Base Blue or White
ASCCBLC-G	Cat Carrier Complete galvanised lid with handle, lockable and PP Base Blue or White

Semi Auto Box Strapper

Code	Description	Rolls of	Price AUD $
ASEXS306	Semi Auto Strapping Machine	1	**1395.00**

For Shipping Animal Boxes & General Despatch

- Automatically tensions, seals and cuts the strapping.
- Very robust machine with adjustable tension and feed length.
- Suitable for 12mm x 3000m machine strapping.

Centaur Poly Machine Strap

Code	Description	Dimensions (mm x m)	Rolls of	Price AUD $
ASEXS4503	PP Machine Strap Prem Clear	12 x 3000	1	**98.00**
ASEXS4503B	PP Machine Strap Prem Blue	12 x 3000	1	**98.00**

- Reduce down time with trouble free strapping.
- High performance strapping for use in automatic machines.

Centaur Poly Machine Strap

Code	Description	Dimensions (mm x m)	Rolls of	Price $/roll
ASPHS12	PP Hand Strap Disp Box Blue	12 x 1000	1	**46.00**

- Reduce down time with trouble free strapping.
- High performance strapping for use in automatic machines.

Buckles Wire and Poly

Code	Description	Dimensions (mm)	Ctn of	Price $/ea
ASPHSS12	Wire Buckles - PP Strap	12	1000	**129.00**
ASPHSB12	Plastic Buckles - PP Strap	12	1000	**57.50**

- Strap can be retensioned at anytime.
- Use wire buckles in place of plastic when extra strength is needed.

Poultry & Rabbit Transport Shipper

- IATA Approved
- Polypropylene Coreflute Repeatedly Autoclavable @ 121°C
- Poultry, Ferret, Rabbit and Cats
- Wire Lined Filtered Windows
- Floor Area: 2200cm²
- Dimension: 600 x 410 x 310 H mm

Code	Description	Packs of
AS2200PTS	Assembled wire line shipper	10
AS2200PTS	Poultry And Rabbit Transport Shipper	100
AS2200RFS	Poultry/rabbit Transport Shipper Flat Pack	100

Shipper Lid Stapler

Code	
ASP6C-8S	Stanley Stapler as shown below. Ideal for sealing shipper lids
ASSB9mmS	Staples for above 1000/box

RECYCLEABLE

AUTOCLAVABLE

It comes flat
- More per pallet
- Lower shipping costs
- Less storage space required

Assembled and ready to use in 10 secs.
- No tools or staples required
- Easy to collapse for reuse & storage
- No training required

Dividers in 2 parts, to produce a 4 compartment shipper

The most compact, easy to assemble shipper in the world!
AVAILABLE FROM MARCH 2016

STANDARD FEATURES

All shippers include IATA approved markings for safe animal transport

Hanging position for Necta Gel Sachets. No staples needed. Lid when positioned locks Necta sachets in position.

Optional Centre view window

Angled sides to ensure filters have access for air to flow freely

All filters protected via mesh

KEEP AIR SPACES CLEAR

SMALL	
EU PALLET QUANTITY 400	AU/US PALLET QUANTITY 400

LARGE	
EU PALLET QUANTITY 150	AU/US PALLET QUANTITY 150

Code	Description
AS750QS	1200cm^2 QikShip, Flat packed. Assembled size: 435L x 300W x 165H mm
AS750D1	Short divider for 750QS
AS750D2	Long divider for 750QS
AS1300QS	1300cm^2 QikShip, Flat packed. Assembled size: 565L x 350W x 208H mm
AS1300D1	Short divider for 1300QS
AS1300D2	Long divider for 1300QS
ASQSVW	Viewing window, centre of lid (Optional)

Don't forget your NECTA water supplement

Shelf Life
24 Months Storage @ Room Temp.

Ordering Information
Code: **NECTAH2O**
75g (2.67oz)
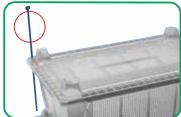100 sachets per carton
Barrier Packed in bags

NECTA $_{H_2O}$

Sliding lid produces a compression seal **all** around the lid.
- Sliding lid allows opening of compartments to access animals one by one
- **Patented**

Security via the use of coloured lid lock cables. Use 1 as seal and 3 others as stacking locks to secure multiple shippers together for shipping
- **Patented**

Hanging position for water gel sachets in all 4 compartments if using dividers. Lid locks all sachets in place, when slid into position.
- **Patented**
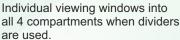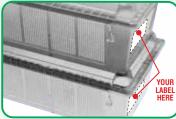
A seal and security no other shipper can give
AVAILABLE FROM MARCH 2016

RECYCLEABLE

AUTOCLAVABLE

Individual viewing windows into all 4 compartments when dividers are used.

- IATA markings permanently moulded into lid.
- Also provides space for shipping labels

YOUR LABEL HERE

Strapping lugs to ensure straps stay in position and to ensure the lid lock clip is held shut during transit.

SMALL	
EU PALLET QUANTITY 200	AU/US PALLET QUANTITY 250

LARGE	
EU PALLET QUANTITY 100	AU/US PALLET QUANTITY 150

Don't forget your NECTA water supplement

Shelf Life
24 Months Storage @ Room Temp.

Ordering Information
Code: **NECTAH2O**
75g (2.67oz)
100 sachets per carton
Barrier Packed in bags

NECTA H₂O

Code	Description
AS760SS	760cm² ShipSafe Lid & base. Size: 435L x 272W x 185H mm
AS760D1	Short divider for ShipSafe 760SS
AS760D2	Long divider for ShipSafe 760SS
AS2200SS	2200cm² ShipSafe, Lid & base. Size: 580L x 485W x 230H mm
AS2200D1	Short divider for ShipSafe 2200SS
AS2200D2	Long divider for ShipSafe 2200SS

NECTA water supplement
water gel fomulas

	Primary Animal	Process Level	Key Ingredients	Self Life	Approx Nutrition Values		Ordering Information
pure water	Rodents Guinea Pigs	Barrier bag packed	98.7% purified water gelling agent	24 Months Storage - Room Temp.	Energy 10kj Protein 0 Fat 0	Carbohydrates 0 Dietary Fibre 1.2g Sugar 0	Code: **NECTAH2O** 75g 100 sachets per carton Code: **ASNECTAR-40** 40g 150 pack per carton
pinworm treatment		ABLE NECTA PLUS Pinworm Treatment Barrier bag packed	98.7% purified water gelling agent fenbendazole 150ppm	24 Months Storage - Room Temp.	Energy 10kj Protein 0 Fat 0	Carbohydrates 0 Dietary Fibre 1.2g Sugar 0	Code: **ASNECTA+** 75g 100 sachets per carton
raspberry flavour		ABLE NECTA PUNCH - Raspberry Flavour Provides enrichment, hydration and a medication delivery vehicle Barrier bag packed Sweetener helps mask medication taste, aiding delivery.	76% purified water gelling agent, raspberry flavour	24 Months Storage - Room Temp.	Energy 45kj Protein 0 Fat 0	Carbohydrates 0.7g Dietary Fibre 1.2g Sugar 0	Code: **ASNECTA-R20** 20g 300 pack per carton Code: **ASNECTA-R40** 40g 150 pack per carton

Other Uses

Necta is also useful as an ad-hoc moisture source anywhere in your facility. Other specific uses for NECTA Gel include aiding in post-surgical recovery and metabolism studies.

Request Certificates of Analysis

Free enrichment with every box purchased

Applications:

- Animal transport – fastens easily to the side of a shipper, keeps clean, dry, and is a low cost single use solution.
- Can be used as a supplement for compromised, recovering or weaning animals
- When transitioning animals to an automated watering system
- Back up Water Supply - Disaster Recovery Plan
- As a drug delivery method. Heat; inject with syringe; Cool; administer to animal.

How much Necta should I provide for my animals during shipment?

There are quite a number of variables to be considered when determining the amount of Necta needed, including species of animal, the number of days in transit, the number and weight of the animals.

Always take into consideration the regions of travel, in order to try and allow for factors such as ambient temperature and environmental conditions as they may impact the daily water consumption. We have made a suggestion below to be used as a guideline during shipping.

- Mouse 4-7g / day
- Rat 24-60g / day
- Guinea Pig 50-80g / day
- Rabbit 100-600g / day

We normally recommend adding one (1) days allowance to the travel time, in the event of unexpected delay. For example, a two (2) day shipment should have at least three (3) days of hydration.

How should I store my Necta?

Necta is designed to be stored at room temperature and does not require any special handling. Necta shelf life is 24 months or greater.

Aspen Chew Sticks

"Enrichment is a dynamic process in which changes are made to husbandry practices or the animals' standard physical environment for the purpose of promoting expression of the species appropriate behaviour and activities, while minimising stress-inducing behaviours." **Chewing is a natural behaviour of rodents, and provisions must be made for this in every enrichment program.**

Code	**ASAECS-A**
Description	Aspen Chew Sticks for All Rodents. Bulk, Low Cost
Packaging:	50 per bundle. Paper wrapped. Autoclavable
Dimensions (mm)	114L x 10W x 2H / Bundle
Qty/Ctn	10,000
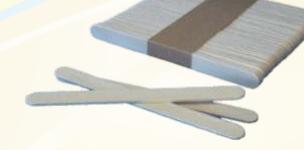
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www.purabed.com

HELPS PREVENT RODENTS
CHEWING OUT
CAGES

Code	**AEBS-A**
Description	Small Aspen Chew Bricks - Screened
Dimensions (mm)	10 x 10 x 50L
Qty/Ctn	1000

Code	**AEBM-A**
Description	Medium Aspen Chew Bricks - Screened
Dimensions (mm)	20 x 20 x 100L
Qty/Ctn	200

Code	**AEBL-A**
Description	Large Aspen Chew Bricks - Screened
Dimensions (mm)	40 x 40 x 200L
Qty/Ctn	50

Aspen Rabbit Brick
Great For Rats, Guinea Pigs and Rabbits!

Code	**ASAERBS-A**
Description	Normal Aspen Rabbit Brick
Dimensions (mm)	60 x 60 x 22H
Qty/Ctn	100

Tee Pee 'P' Mouse Hut
Great For Mice! Fits All Cages!

Code	**ASDMHP-P**
Description	Screened Recyclable Paper Tee Pee 'P'
Dimensions (mm)	70 x 140 x 60W
Qty/Ctn	480

Paper Mouse Hut
Great For Mice! Fits All Cages!

Code	**ASGLPBMH-P**
Description	Blackless Mouse Hut
Dimensions (mm)	70 x 100 x 60W
Qty/Ctn	600

Mouse House Igloos and Fastracks

Code	**ASIMHR-PC**		Code	**ASIFTA-PC**
Description	Red Igloo Mouse House-PC		Description	Amber Fastrack-PC
Dimensions (mm)	108Ø x 58H		Dimensions (mm)	153Ø
Qty/Ctn	200		Qty/Ctn	200
Code	**ASIMHA-PC**		Code	**ASIFTB-PC**
Description	Amber Igloo Mouse House-PC		Description	Blue Fastrack-PC
Dimensions (mm)	108Ø x 58H		Dimensions (mm)	153Ø
Qty/Ctn	200		Qty/Ctn	200

ASIFTA-P Replacements Fastrack Axles Non Squeak Poly

Aquatic Enrichment

Code	**ASK3570**		Code	**ASK3170**
Description	Igloo Blue PC		Description	Retreat Blue PC
Dimensions (mm)	108Ø x 56H		Dimensions (mm)	95W x 95H x 15L
Qty/Ctn	200		Qty/Ctn	100
Code	**ASK3102**		Code	**ASK3600**
Description	Hut Blue PC		Description	Tent Blue PC
Dimensions (mm)	95W x 45H x 75L		Dimensions (mm)	32H x 64L
Qty/Ctn	50		Qty/Ctn	50

Disposable Igloo and Fastracks

Code	**ASK3174**		Code	**ASK3175**
Description	Red Igloo Mouse House-PC		Description	Red Fast Track
Dimensions (mm)	95Ø x 50H		Dimensions (mm)	135Ø x 50H
Qty/Ctn	300 (25/SLEEVE)		Qty/Ctn	300 (25/SLEEVE)

Fun Tunnels
Great For Mice And Rats!

Code	**MFT-P**
Description	Mini Fun Tunnel - Screened 100% Recycled Pulp
Dimensions (mm)	44Ø x 90L
Qty/Ctn	500

Code	**RFT-P**
Description	Rat Fun Tunnel - Screened 100% Recycled Pulp' 3mm Thick Walls for Longer Life
Dimensions (mm)	100Ø x 250L
Qty/Ctn	48
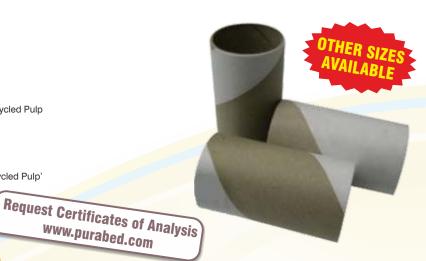
OTHER SIZES AVAILABLE

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Polycarbonate Fun Tunnels
Great for Mice and Rats

Code	**ASMFTR-PC**	Code	**ASFTWHM-SS**
Description	Standard Fun Tunnel Red-PC	Description	Wire Hanger for Standard Tunnel S/S
Dimensions (mm)	57Ø x 98L		
Qty/Ctn	100	Qty/Ctn	100

Code	**ASMFTA-PC**	Code	**ASRFTR-PC**
Description	Standard Fun Tunnel Amber-PC	Description	Red Rat Fun Tunnel
Dimensions (mm)	57Ø x 98L	Dimensions (mm)	82Ø x 153L
Qty/Ctn	100	Qty/Ctn	50
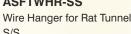
Code	**ASRFTA-PC**	Code	**ASFTWHR-SS**
Description	Amber Rat Fun Tunnel	Description	Wire Hanger for Rat Tunnel S/S
Dimensions (mm)	82Ø x 153L		
Qty/Ctn	50	Qty/Ctn	100

Rodent Resort
Great for Mice! Fits All Cages!

Code	**ASRRRES-PC**	Code	**ASBRRES-PC**
Description	Polycarbonate Red	Description	Polycarbonate Blue
Dimensions (mm)	87L x 62W x 58	Dimensions (mm)	87L x 62W x 58
Qty/Ctn	100	Qty/Ctn	100

Polycarbonate Rat Rodent Retreat
Great for Mice, Rats and Guinea Pigs!

Code	**ASRRR-PC**
Description	Red Rodent Retreat For Rats
Dimensions (mm)	96x96x153L
Qty/Ctn	50

Code	**ASRRA-PC**
Description	Amber Rodent Retreat For Rats
Dimensions (mm)	96x96x153L
Qty/Ctn	50

DOUBLE WALL THICKNESS
REDUCES NOISE
INCREASES THERMAL STABILITY

Tee Pee 'F' Mouse Hut
Great For Mice! Fits All Cages!

- Flat Packed
- Compact
- 2 Sizes
- Autoclavable
- Quick & Easy to assemble
- Low Cost
- Excellent Enrichment
- Proven References
- Lasts up to 6 months

Code	TPCW-PP
Description	TeePee Corner Mouse Hut Autoclavable, Polypropylene
Dimensions (mm)	125 x 125 x 65H mm
Qty/Ctn	200

Code	TPMW-PP
Description	TeePee Mouse Hut Autoclavable, Polypropylene
Dimensions (mm)	125 x 103 x 65H mm
Qty/Ctn	200

Mouse Huts

Code	ASK3271	Code	ASK3272
Description	Red Autoclavable	Description	Amber Autoclavable
Dimensions (mm)	90 x 72 x 45H	Dimensions (mm)	90 x 72 x 45H
Qty/Ctn	50	Qty/Ctn	50

Guinea Pig Hut
Great for Aquatics and Guinea Pigs!

Code	ASK3261
Description	Red. PC Stackable, Autoclavable
Dimensions (mm)	164 x 115 x 204L
Qty/Ctn	12

Rabbit Hut
For all Large Animals,

Code	ASK3262
Description	Red, Stackable, Autoclavable
Dimensions (mm)	225 x 280 x 305L
Qty/Ctn	12

Fat Rat Hut

Code	ASK3365
Description	PC Fat Rat Hut Red Certified (Contaminant Screened)
Dimensions (mm)	159 W x 86 H x152 L
Qty/Ctn	50

Pup Tents

Code	ASK3390	Code	ASK3389
Description	Amber Certified (Contaminant Screened)	Description	Red Certified (Contaminant Screened)
Dimensions (mm)	32H x 64W	Dimensions (mm)	32H x 64W
Qty/Ctn	500	Qty/Ctn	500

Crawl Ball

Great For Mice, Rats, Aquatics and Small Guinea Pigs!

Code	**ASK3329**	Code	**ASK3330**
Description	Polycarbonate crawl ball, Rats up to 300g • Red	Description	Polycarbonate crawl ball, Rats up to 300g • Amber
Dimensions (mm)	96Ø	Dimensions (mm)	96Ø
Qty/Ctn	50	Qty/Ctn	50

Super Challenger Ball

Great For Primates, Swine and Canine!

Code	**ASK3100-S**
Description	Super Challenger Ball S/S disk in middle, 12 attaches to outside of cage. Cage washable
Dimensions (mm)	165Ømm with 255L Chain
Qty/Ctn	12

Jingle Ball

Great For Canine, Rabbit, Primate & Swine!

Code	**ASK3001**
Description	Solid one piece construction Autoclavable • 3 x S/S jingles inside
Dimensions (mm)	115Ø
Qty/Ctn	50

Ferret/Guinea Pig Ball

Great For Guinea Pig & Swine!

Code	**ASK3225**
Description	Polypropylene Ferret Ball 76mm holes • Cage washable
Dimensions (mm)	255Ø
Qty/Ctn	12

Taz Ball

Great For Canine, Rabbit, Ferret, Swine and Primate!

Code	**ASK3402**	Code	**ASK3401**
Description	Taz Ball Assorted Colours	Description	Taz Ball Assorted Colours
Dimensions (mm)	Small - 54Ø	Dimensions (mm)	Large - 72Ø
Qty/Ctn	12	Qty/Ctn	12

Coloured Dumbells

Great For Mice, Rats, Aquatics and Small Guinea Pigs!

Code	**ASDBSO-PP**	Code	**ASDBMO-PP**
Description	Multi Coloured Dumbell - PP/SML	Description	Multi Coloured Dumbell-PP/MED
Dimensions (mm)	48H x 100L	Dimensions (mm)	62H x 128L
Qty/Ctn	100	Qty/Ctn	100

Nylabone

Great For Canine, Guinea Pig, Rabbit, Primate and Swine!

Code	**ASK3203/NB-115**	Code	**ASK3200/NB-87**
Description	Regular • Dark Chocolatel	Description	Petite • Dark Chocolate
Dimensions (mm)	32W x 115L	Dimensions (mm)	26W x 96L
Qty/Ctn	50	Qty/Ctn	50
Code	**ASK3201/NB-115**	Code	**ASK3202/NB-87**
Description	Regular • White Chocolate	Description	Petite • White Chocolate
Dimensions (mm)	32W x 115L	Dimensions (mm)	26W x 96L
Qty/Ctn	50	Qty/Ctn	50

Kong Squeaker

Great For Canine, Swine and Primate!

Code	**ASK3348**
Description	Kong squeaker tennis ball. Inexpensive and disposable
Dimensions (mm)	64Ø
Qty/Ctn	50

Big Red Apple

Great For Swine and Canine!

Code	**ASK3263**
Description	Cage Washable • Apple scented 12 • Polyethylene
Dimensions (mm)	230Ø
Qty/Ctn	12

Hercules

Great For Swine and Canine!

Code	**ASK3210**	Code	**ASK3213**
Description	Small solid thermoplastic dental device, Cage washable	Description	Largesolid thermoplastic dental device, Cage washable
Dimensions (mm)	64W x 127L	Dimensions (mm)	83W x 153L
Qty/Ctn	12	Qty/Ctn	12

Squeeze and Toss Football

Great For Canine, Rabbit, Primate and Swine!

Code	**ASK3290**	Code	**ASK3292**
Description	Squeeze & Toss Football S	Description	Squeeze & Toss Football S
Dimensions (mm)	Small 62Ø x 110L	Dimensions (mm)	Large 115Ø x 204L
Qty/Ctn	12	Qty/Ctn	12
Code	**ASK3291**		
Description	Squeeze & Toss Football S		
Dimensions (mm)	Medium 76Ø x 146L		
Qty/Ctn	12		

Dura Mirror

For all Large Animals, Particularly Primates!

Code	**ASDM46C**
Description	Double sided polycarbonate encased in colourful frame Includes stainless steel swivel, chain and clip
Dimensions (mm)	104W x 174H 215
Qty/Ctn	12

Longlife Tunnels

Code	**ASLLTRL-SS**	Code	**ASLLTSL-SS**
Description	Round S/Steel Enrichment Tunnel Large (Rat)	Description	Square S/Steel Enrichment Tunnel Large (Rat)
Dimensions	100Ø x 300mm L	Dimensions	100 x 100 x 300mm L
Qty/Ctn	24	Qty/Ctn	24

Code	**ASLLTRS-SS**	Code	**ASLLTSS-SS**
Description	Round S/Steel Enrichment Tunnel Small (Mouse)	Description	Square S/Steel Enrichment Tunnel Small (Mouse)
Dimensions	50Ø x 75mm L	Dimensions	50 x 50 x 75mm L
Qty/Ctn	24	Qty/Ctn	24

Haus Mouse

Code	**ASRMH-SS**	Code	**ASMMH-SS**
Description	Stainless Steel Enrichment Haus - Rats	Description	Stainless Steel Enrichment Haus - Rats
Dimensions	150mm Ø	Dimensions	100mm Ø
Qty/Ctn	24	Qty/Ctn	24

- Simply hang in cage
- Rabbits can rub their body against the all stainless steel beaded chain
- Or chew on the ends
- Multi Purpose Enrichment For All Animals Especially Rabbits

Autoclavable Rodent Calmer

Code	**ASERR-RS**
Description	Stainless Steel beaded chain with nylon spacers, clips to cages.
Dimension	125mm (L)
Qty/Ctn	24

Autoclavable Rabbit Calmer

Code	**ASERLXR-RS**
Description	Stainless Steel beaded chain with nylon spacers, clips to doors/lids
Dimension	150 x 255mm (L)
Qty/Ctn	12

Longlife Huts

Code	**ASLLHL-SS**	Code	**ASLLHS-SS**
Description	Stainless Steel Enrichment Huts - Large	Description	Stainless Steel Enrichment Huts - Small
Dimensions	255 x 255 x 305mm L	Dimensions	50 x 75 x 75mm L
Qty/Ctn	24	Qty/Ctn	24

Code	**ASLLHM-SS**
Description	Stainless Steel Enrichment Huts - Medium
Dimensions	75 x 100 x 150mm L
Qty/Ctn	24

Split Rings

Multi Purpose Enrichment for All Animals!

Code	**ASR25-NP**
Description	Nickel Plated
Dimensions (mm)	25Ø
Qty/Ctn	100

Running Wheel

Great for Mice and Smaller Rats!

Code	**ASRW-SS**
Description	Stainless Steel Fits Most Cages
Dimensions (mm)	110Ø x 102W
Qty/Ctn	12

Code	**AS16RW-SS**
Description	Stainless Steel Running Wheel Sit on Floor or Hanging
Dimensions (mm)	110Ø x 102W
Qty/Ctn	12

Hanging Bell Stainless Steel

Code	**ASB15-SS**
Description	S/S Heavy Duty Bell
Dimension	38mm H x 50mm opening
Qty/Ctn	12

- All Stainless Steel Bell
- Has chain and eyelet for hanging

S/S Rattles

For Swine, Primate, Ferret, Guinea Pig, Rabbit and Canine!

Code	**ASK3310-C**		Code	**ASK3311-C**
Description	Triangle Rattle. Stainless Steel		Description	Round Rattle. Stainless Steel
Dimensions (mm)	77		Dimensions (mm)	77
Qty/Ctn	12		Qty/Ctn	12

S/S Chain

Multi Purpose Enrichment for All Animals!

Code	**ASKEC-SS**
Description	Multipurpose Enrichment Chain. Stainless Steel
Dimensions (mm)	3.4
Qty/Ctn	12

S/Steel Twist Clip

For Swine, Primate, Ferret, Guinea Pig, Rabbit and Canine!

Code	**ASTC-SS 316**		Code	**ASQL-SS 316**
Description	S/Steel Twist Clip		Description	S/Steel Quicklink
Dimensions (mm)	55L		Dimensions (mm)	45
Qty/Ctn	50		Qty/Ctn	50

Used to suspend various enrichment devices 45mm L x 10mm Openings Inside

Shine Mirror

Great For Canine, Primate, and Swine!

Code	**ASK3150**
Description	Stainless Steel Monkey Shine Mirror
Dimensions (mm)	159Ø
Qty/Ctn	12

S/S Rings

Great For Canine, Primate, and Swine!

Code	**ASSR90**
Description	Stainless Steel Ring
Dimensions (mm)	90Ø
Qty/Ctn	12

The type of bedding used in a facility can greatly influence the results of experimental procedures.

Bedding is one of the most important items within the micro-environment of an animal. It provides warmth, maintains the environment of the cage, and adds to the overall welfare of the animals in care. It is an essential item for all animals in captivity.

Two things to think about when considering bedding choices:

1)   the needs and requirements of the animals to be housed

2)   what experimental procedures will be performed.

There are many different types of bedding available on the market and it can be a bewildering experience to choose the type that best meets all of the requirements.

We have made things easy by bringing a specially selected range of only the highest quality beddings to you. We ensure that they are of high value, so your budget can go a little further, allowing you to maybe, include some enrichment and make your animals even more comfortable and your research even better.

We're committed to making your life easier!

The Able Team

PuraPaper - Premium
PuraPaper chip bedding, larger bags than all other brands and more absorbent. approx 50L Bags

Code	Pack Type	Pallet Qty	One Bag Fills
ASSAD-P	Woven Poly Bags	80	104+ cages

- Up to 3 weeks between changes
- White for excellent observation
- Free flowing for dispensers
- Completely dust free
- More cages per bag
- Greater Absorbency
- Autoclavable bag 121°C
- Biodegradable
- Easy cleaning

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Raw Material: Pure Cellulose
Size Grain: 5 - 8mm square cut
Absorbency: (Density 220kg/m^3) 9 to 10 times its weight in water
Dust Level: Less than 355 m: 0.025%

Autoclavable   Irradiated

PuraChips - Premium

10kg + Premium Coarse Aspen Enrichment Bedding.

Code	Pack Type	Pallet Qty	One Bag Fills
ASTAEB-CA	Poly Bags	50	131+ cages

- Up to 3 weeks between changes
- From sustainable certified source
- Chemical free processing
- Sterilised during drying
- Lowest dust bedding
- Mycotoxin free
- Biodegradable

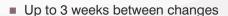*Request Certificates of Analysis www.purabed.com*

NOTE: All bags autoclavable and can be irradiated at cost

Autoclavable   Heat Treated   Irradiated

PuraChips - Premium

10kg + Premium Fine Aspen Enrichment Bedding.

Code	Pack Type	Pallet Qty	One Bag Fills
ASTAEB-FA	Poly Bags	50	117+ cages

- Up to 3 weeks between changes
- From sustainable certified source
- Chemical free processing
- Sterilised during drying
- Lowest dust bedding
- Mycotoxin free
- Biodegradable

NOTE: All bags autoclavable and can be irradiated at cost

Autoclavable   Heat Treated   Irradiated

PuraChips - Coarse Grade

63L PuraChip Coarse Aspen Enrichment Bedding.

Code	Pack Type	Pallet Qty	One Bag Fills
ASAEB-CA	Paper Bags - 3 Ply	60	125+ cages

NOTE: All bags autoclavable and can be irradiated at cost

Autoclavable   Heat Treated   Irradiated

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PuraChips - Fine Grade

63L PuraChip Fine Aspen Enrichment Bedding.

Code	Pack Type	Pallet Qty	One Bag Fills
ASAEB-FA	Paper Bags - 3 Ply	60	109+ cages

NOTE: All bags autoclavable and can be irradiated at cost

Autoclavable   Heat Treated   Irradiated

Omar, S, Lemonnier, B, Jones, N, Ficker, C, Smith, ML, Neema, C, Towers, GHN, Goel, K, Arnason, JT 2000, 'Antimicrobial activity of extracts of Eastern North American hardwood trees and relation to traditional medicine', Journal of Ethnopharmacology, vol. 73, no. 1, pp. 161-170.

Smith, E, Stockwell, JD, Schweitzer, I, Langley, SH & Smith, AL 2004, 'Evaluation of cage micro-environment of mice housed on various types of bedding materials', Journal of the American Association for Laboratory Animal Science, vol. 43, no. 4, pp. 12-17.

PuraChips - Extra Fine Grade

63L PuraChip Extra Fine Aspen Enrichment Bedding.

Code	Pack Type	Pallet Qty	One Bag Fills
ASAEB-XFA	Paper Bags - 3 Ply	50	111+ cages

■ Excellent for Diabetic Research

NOTE: All bags autoclavable and can be irradiated at cost

Autoclavable   Heat Treated   Irradiated

Request Certificates of Analysis
www.purabed.com

PuraChips - Enriched Fine Grade

63L PuraChip Fine Aspen Bedding Enriched with Pure Cellulose

Code	Pack Type	Pallet Qty	One Bag Fills
ASAEB-EFA	Paper Bags - 3 Ply	50	109+ cages

NOTE: All bags autoclavable and can be irradiated at cost

Autoclavable   Heat Treated   Irradiated

PuraFlake - Screened Aspen
Large Soft Aspen Flakes for Bedding and Enhanced Nesting - Compressed

Code	Pack Type	Pallet Qty	One Bag Fills
ASPF20-A	Polyethylene Bags - 20kg Clear	24	1200+ cages

- Natural material with great nesting and enrichment qualities
- Eliminates Allergen Problems
- Clean long lasting look
- Virtually dust free
- Excellent absorbtion
- Heat treated - contamination free
- Mycotoxin free
- From sustainable source
- Biodegradable
- Perfect for trans-genics and large animals
- High volume 550L compressed to 74L in bag
- Suitable for large animals where bulk coverage is needed

Heat Treated   **Irradiated**

PuraSoft - Screened Sofwood
Selected Softwood Chips 75L bags

PuraSoft

Code	Pack Type	Pallet Qty	One Bag Fills
ASPSP75-P	Polyethylene Woven Bags - Autoclavable	60	90+ cages

- 100% Biodegradable
- Low dust content
- Heat treated processing
- Contaminant free - heat treated
- Ultra high absorbency
- Ultra high volume - 75L

PuraPack - Screened
Selected softwood shavings for bedding and enhanced nesting compressed to 3kg

PuraPack

Code	Pack Type	Pallet Qty	One Bag Fills
ASPPB-3	Polyethylene Bags - Clear with Carry Handle	160	105+ cages

- 100% Biodegradable
- Low dust content
- Heat treated processing
- Contaminant free - heat treated
- Ultra high absorbency
- Ultra high volume - 60L
- Eliminates OHS bag issues
- Selected soft wood shavings
- Autoclavable out of bag
- For a dry, low odour cage
- Natures best

PuraCob - Premium

10kg PuraCob No. 8 Coarse Dust Free.

Code	Pack Type	Pallet Qty	One Bag Fills	Price $/ea
ASCCB-C	Polyethylene Bags - Autoclavable	70	62+ cages	**0.00**

- Highest Ammonia control
- Guaranteed dust free
- More cages per bag
- Greater Absorbency
- Autoclavable bag 121°C
- Longer lasting cages
- Biodegradable
- Small compact bags for easy handling

Autoclavable Heat Treated Irradiated

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PuraCob - Premium

10kg PuraCob No. 12 Fine Dust Free.

Code	Pack Type	Pallet Qty	One Bag Fills	Price $/ea
ASCCB-F	Polyethylene Bags - Autoclavable	70	53+ cages	**0.00**

- Highest Ammonia control
- Guaranteed dust free
- More cages per bag
- Greater Absorbency
- Autoclavable bag 121°C
- Longer lasting cages
- Biodegradable
- Small compact bags for easy handling

Autoclavable Heat Treated Irradiated

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PuraCob - Enriched

10kg PuraCob No. 8 Fine Dust Free.

Code	Pack Type	Pallet Qty	One Bag Fills	Price $/ea
ASECCB-C	Polyethylene Bags - Autoclavable	70	62+ cages	**0.00**

- Coarse bedding with Enrichment furls
- 10kg Bags
- Unmatched Consistency
- Lowest Dust

Autoclavable Heat Treated Irradiated

Hughes, ER, Miller, ST, Cotzias, GC 1966, 'Tissue concentrations of manganese and adrenal function', The American journal of physiology, vol .211, no. 1, pp.207-10

"The results of this study suggest that providing more naturalistic nesting material allows mice to build more naturalistic nests. Mice built higher quality nests with the shredded paper strips than with facial tissues."

Home Improvement: C57BL/6J Mice Given More Naturalistic Nesting Materials Build Better Nests: Assoc Lab Anim Sci. Nov 2008; 47(6). Published online.

PuraCrinkle - Screened

10kg PuraCrinkle Dust Free Nesting Material Autoclable Box

Code	Pack Type	Pallet Qty	One Bag Fills
ASBCN-P	Box	18	1670+ cages

- Springy long lasting nests
- Non-dusty
- Forage friendly
- Eco Friendly

NOTE: All bags autoclavable and can be irradiated at cost

Request Certificates of Analysis
www.purabed.com

PuraCrinkle - Enviropak

7gms of PuraCrinkle nest material, packed in easy portion controlled sachets

Code	Pack Type	Pallet Qty	Box
ASECNT-P	Box	16	1000 sachets

NEW!

- **PROVEN** PuraCrinkle is the best nest material available

- **CONVENIENT** Easily dispensed

- **PORTION CONTROL** Consistent amount in each pack

- **COST EFFICIENT** No waste no mess. No lost time

The Natural hardwood, and precise splinter free production of the aspen nesting wool provides a springy natural product which exhibits very similar qualities and benefits to the animal as shredded paper.

Home Improvement: C57BL/6J Mice Given More Naturalistic Nesting Materials Build Better Nests: Assoc Lab Anim Sci. Nov 2008; 47(6). Published online.

PuraNest - Screened
Aspen Nesting Material 90L

Code	Pack Type	Pallet Qty	One Bag Fills
ASTAN-3	Box - 3 kg	24	650+ cages

- Springy and Long Lasting
- From sustainable certified source
- Chemical free processing
- Heat sterilised during drying
- Eliminates allergen problems
- Clean long lasting look
- Virtually dust free
- Mycotoxin free
- Biodegradable
- Forage Friendly

NOTE: All bags autoclavable and can be irradiated at cost

Request Certificates of Analysis www.purabed.com

PuraWool - Premium
Virgin Paper Wool Cellulose Sacks 10kg

Code	Pack Type	Pallet Qty	One Bag Fills
ASAEPW-P	Plastic PE Bags	30	1500+ cages

PuraShred - Premium
Virgin Paper Wool Cellulose Sacks as above but in fine shredded pieces - 2kg

Code	Pack Type	Pallet Qty	One Bag Fills
ASAEPS-P	Plastic PE Bags	96	210+ cages

- Sustainable Source
- Biodegradable
- Easy to dispense short fibres
- Doesn't tangle legs
- Expands into high volume nests
- White for easy observation

Cotton Nestlet
Great For Mice And Rats
Cotton Nestlet – Square - Certificate on Request

Code	Dimensions (mm)	Qty/Box
ASNLETS	50 x 50 x 50 / pieces	3600 (100 sheets)

Cotton Cocoons
The Latest In Rodent Enrichment, Small, Lightweight and Cylindrical With Very Short Fibres Making Them Safe For The Animals

Code	Dimensions (mm)	Qty/Box
ASKMCOC	12Ø x 38L	6000 (200 bundles)

THE JEWEL CAGE WASH AND DISINFECTANT DETERGENTS

Quality and technologically advanced formulations gives Jewel disinfectants an edge in every way. The environmentally friendly formulations and effective wash process we can achieve, mean that we also offer greater value than other detergents.

The range consist of 5 formulas:

Jewel Neutral - A high value, neutral disinfectant low foam, soft on cages and does not require both the acid and alkaline cycles to achieve results. With chelants for hard water.

Jewel Green Wash 2 - A 'Green' non-caustic alkaline, easy rinse, low foam with chelants tolerating hard water

Jewel Supa Wash 1 - A phosphoric acid, descaler, low foam detergent, tolerating hard water. High Value

Jewel Total Cleanse - A stand alone blend of phosphoric/citric acids softener and descaler, eliminating need for an alkaline, saving time and cost in washing cycles. A 'Geen' solution.

Jewel Finish - A high value low foam wash disinfectant tolerating hard water. Neutral solution soft on cages and doesn't require acid and alkaline.

These are perfectly formulated to suit all washers and hand wash processing of cages, trolleys, racks and instruments.

The use of any of these formulas can be broken down typically into Wash Cycles as follows:

SUPER HIGH VALUE	STANDARD	SUPER PERFORMANCE HIGH SANITATION REQUIREMENT
Jewel Neutral - Acid 0.35 - 5% mix *Finish*ing Agent - as desired.	*Supa Wash 1* - Acid 0.2 - 5% mix *Green Wash 2* - Alkaline 0.2 - 5% mix *Finish*ing Agent - as desired.	*Total Cleanse* - All in One Acid. 0.2 - 5% mix *Finish*ing Agent - as desired.
Key Consideration: Cost	**Key Consideration: Cost & Environment**	**Key Consideration: Cost, Environment Sanitation and Time**

*Generally mix of 1% is suitable, but is dependant on water hardness.

How to use

1. For best results, use in conjunction with automatic chemical dosing system for consistency.
2. A typical dose rate is 0.2-1%, this will be dependant on soiling level and water conditions (hardness etc.) Soft water: 1.5 - 2mL per Litre.   Medium hard: 2 - 3mL per Litre   Hard: 4 - 4.5mL per Litre.
3. Optimal results require detergent tank water to be maintained at 60 - 70°C
4. Ensure you rinse product as required.

Request MSDS for each product as required.

JEWEL FLUSH - Perfect to finish, sanitise after every cycle
Product Code: **ASACD-10**
Description: Jevel Finis 10L drum. Use at 0.5:100
A neutralising 100% sanitising agent to compliment every wash cycle in an animal facility. Ingredients of chlorine dioxide ensure total safety even in food grade situations and absolute sanitation every time.

JEWEL TOTAL CLEANSE - One-Step Acid Cleaner and Descaler

Code	Description
ASJCWTC-20	Total Cleanse 20L Tub
ASJCWTC-200	Total Cleanse 200L Drum

Total Cleanse is a phosphoric/citric acid cleaner/descaler formulated for the research, pharmaceutical, and biotech industries. It effectively removes a wide range of process and research residues, such as inorganic salts and scales, particulate carbon and urine scales, fecal matter, oils and proteins.

This product is an effective, ONE-STEP cleaner and descaler in animal cage wash applications, eliminating the need for alkaline detergents. This product is very effective in pharmaceutical/biotech/cosmetic process cleaning and derouging.

Low foaming Total Cleanse will not cavitate recirculation pumps. Total Cleanse is extremely free rinsing to achieve a clean, residue free surface and has excellent hard water tolerance to eliminate mineral deposits. The surfactant system in Total Cleanse remains effective across a wide temperature and pH range, even during pH neutralization prior to discharge, thus reducing redeposition of process residues.

JEWEL NEUTRAL - Neutral PH Cage Wash Fluid - 2 in 1

Code	Description
ASUTEX-20	Jewel Neutral 20L Tub
ASUTEX-200	Jewel Neutral 200L Drum

Neutral PH solution gives extremely effective washing without the calcium deposit / scaling build-ups. Prolongs cage life. Also eliminates requirement for 2 fluids - Alkaline and Acids as often used.

PH neutral detergent which is ideal for use within cage washers, bottle washers and rack washers for removing organic soiling on all types of conventional, IVC, large format caging and associated equipment.

Jewel Finish is economical in its use, versitile and has multi-suface use. The surfactants effectively clean organic soiling and the in-built seqestriants provide water softening properties inhibiting surface scale and mineral deposit build-up. It is biodegradable, solvent free and suitable for use on low temperature washing below 50oC and allows PH neutral waste waster for draining.

Jewel Finish should be dosed between 0.35-0.5% dependant on soiling levels and water conditions.

JEWEL GREEN WASH 1 - Non-Hazardous Acid Detergent

Code	Description
ASJCWAL-20	Green Wash 20L Tub
ASJCWAL-200	Green Wash 200L Drum

Green Wash 2 is a concentrated non-caustic liquid alkaline cleaning agent formulated for the pharmaceutical, biotechnology, cosmetic, and medical device industries. It effectively removes a wide range of process and research residues, proteins, organics, and oils. When used as directed, Green Wash 2 is safe for use on aluminum, galvanized and other soft metals. The product is designed to be an excellent laboratory animal cage wash product at 0.2% to 1% use dilution.

Green Wash 2 is designed to be low foaming at all temperatures for easy rinsing and will not cavitate recirculation pumps. Extremely free rinsing Green Wash 2 provides clean, residue free, surfaces. Chelants provide excellent hard water tolerance that eliminates mineral deposits.

JEWEL SUPA WASH - Non-Hazardous Alkaline Detergent

Code	Description
ASDTSW-20	Supa Wash 20L Tub
ASDTSW-200	Supa Wash 200L Drum

Jewel Supa Wash 1 is a concentrated liquid, acidic cleaner/descaler formulated for the pharmaceutical, cosmetic, and medical device industries. It effectively removes a wide range of process and research residues, such as inorganic salts and scales, particulate carbon and urine scales. This product is effective in animal cage wash applications, laboratory glassware washing, and pharmaceutical/biotech process cleaning and derouging. Low foaming Jewel Supa Wash 1 will not cavitate recirculation pumps and is extremely free rinsing to achieve a clean, residue free surface. Jewel Supa Wash 1 has excellent hard water tolerance to eliminate mineral deposits.

The surfactant system in Jewel Supa Wash 1 remains effective across a wide temperature and pH range, even during pH neutralization prior to discharge, thus reducing redeposition of process residues. When used as directed, Jewel Supa Wash 1 is safe for use on both glassware and stainless steel substrates and a wide variety of plastics including polycarbonate.

Height
Adjusts
865 to
1385mm

Mayo Stands

AS102-2320-11   Mayo Table

Durable Construction
Attractive Professional Appearance
Removable Stainless Steel Tray
Easy Cleaning

Swivel
Casters

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for more products
and infomation**

Able Exam/Diagnostic Lights

Wall
Mount

Single
Ceiling Mount

3-Year Warranty

- **Multi-Faceted Reflector
  Eliminates Shadows**

- **Prefocussed 155m Spot at 610mm
  4000 Foot-Candles**

- **12V/75W Halogen Color
  Corrected To 4000 Kelvin**

- **Articulating Arm Extends
  55.5" From Center Rotates
  40° Up / Down**

AS121-0213-12	Wall Mount
AS121-0213-14	Single Ceiling Mount
AS121-0213-15	Dual Ceiling Mount
AS121-1257-00	Replacement Bulb

Dual
Ceiling Mount

V-Top Surgery Tables

Electric or Hydraulic Adjustment

One-hand, finger-tip control adjusts side panels from flat to 95° "V" via pneumatic cylinders.

Shown With Optional Heated Top

Built-in Drainage Reservoir – Slides Out For Easy Cleaning – More Aseptic Environment

Quick-Release Tie-Down Cleats

Drain Trough – Slides Out Easily For Cleaning

Finger-Tip Control Tilts Top From Level To 37°

28.5mm Thick Inner Board For Solid Quiet Surface

Low Profile Weighted Base Will Not Tip

Patent No. 5,826,286

"No Hands" Height Adjustment

Hydraulic column tables have no hands height adjustment – pump foot pedal to raise, depress pedal to lower – no knobs to loosen!

Hydraulic Adjusts 851mm - 1003mm

Electric Adjusts 749mm - 1054mm

Width: 508mm

Length: 1270mm or 1524mm

V-Top Hydraulic Column

AS100-4041-21	1270mm Heated
AS100-4041-00	1270mm Non-Heated
AS100-4071-21	1524mm Heated
AS100-4071-00	1524mm Non-Heated

V-Top Electric Column

AS100-3041-21	1270mm Heated
AS100-3041-01	1270mm Non-Heated
AS100-3071-21	1524mm Heated
AS100-3071-01	1524mm Non-Heated

200-3041-09 IV Rod Assembly Kit

Width: 559mm

Flat-Top Surgery Tables Available

Length: 1270mm or 1524mm

Hydraulic Adjusts 825.5mm - 977.9mm

Electric Adjusts 723.9mm - 1028.7mm

Able Surgery Light

3-Year Warranty

Dual Ceiling Mount

Single Ceiling Mount

Wall Mount

Optimal Shadow-Free Lighting

381mm Reflector Prefocused 152,4mm Spot at 914.4mm   4000 Foot-Candles

12V/100W Halogen Color Corrected To 4000 Kelvin

1410mm Articulating Arm Rotates 40° Up / Down

Removable Handle For Sterilizing

AS121-0215-12	Wall Mount
AS121-0215-14	Single Ceiling Mount
AS121-0215-15	Dual Ceiling Mount
AS121-1282-00	Extra Sterilizable Handle
AS121-1256-00	Replacement Bulb
Also Available	
AS121-0285-15	Combination Surgery/Spot Light Dual Ceiling Mount
AS121-0515-14	Excel Light With 406.4mm Reflector Single Ceiling Mount

Heavy Duty 2 Tier Trolley

Code	**ASC2TT-SST**
Description	Stainless Steel 2 Tier Trolley with Plastic Trays x 2
Dimension (mm) L x W	1170 x 565 x 965

Code	**ASC2TT-SS**
Description	Stainless Steel Standard 2 Tier Trolley
Dimension (mm) L x W	1170 x 565 x 965

Stainless Steel Feed/bedding Trolley
With Dust Separator

Code	**ASCFBT2B-SS**
Description	Heavy duty stainless steel feed or bedding trolley with handles on both ends. 4 castors, 2 braked corner bumpers. Holds 2 bins as below.
Dimension (mm) L x W x H	850 x 500 x 900

Code	**ASCFBB-SS**
Description	Bin with removable lid and perforated mesh bottom for dust separation. Removable waste tray integrated.
Capacity	130L (approximately 2 bags bedding/feed)
Dimension (mm) L x W x H	400 x 450 x 650mm

Removable tray for dust/waste collection. Ensures product remains dust free.

Optional half height bins for extra storage space beneath, on request: CFBT2BH-SS

Lockable Cage Transport Trolley - General Purpose

Code	**ASCLCTT-SS**
Description	Cage transport trolley with 2 levels inside. Lockable doors vented on ends and between internal shelves. Fully stainless Steel with 2 lockable castors.
Dimension (mm) L x W x H	1200 x 600 x 900

Heavy Duty General Purpose Cage / Bottle Rack

Code	**ASC2TSMBR-SS**
Description	Stainless Steel Heavy Duty Mobile Bottle / General Purpose Rack 2 Tier
Dimension (mm) L x W x H	1050 x 625 x 1710

Code	**ASC2TRD**
Description	2 Doors with lock at front and on sides for holding doors open. Add 50mm Wide and 60mm Length

Code	**ASC2TRC**
Description	Rack Cover - To keep Contents Clean and Secure 100% Polyester - Durable, Heat Resistant We can make rack covers for all Racks / Trolleys. All we need is your rack dimensions.

Autoclavable S/S Transport Trolley

Code	**ASAJ 67**
Description	Autoclavable S/S transport trolley for 12 x 18 bottle crates
Dimension (mm) L x W x H	595 x 700 x 1685

Code	**ASAJ 68**
Description	Autoclavable S/S transport trolley for 10 x 18 bottle crates
Dimension (mm) L x W x H	595 x 700 x 1430

Heavy Duty Flat Bed Trolley

Code	**ASCST-SS**
Description	Stainless Steel Flat Bed Trolley
Dimension (mm)	900 x 600

Code	**ASCLT-SS**
Description	Stainless Steel Large Flat Bed Trolley
Dimension (mm)	1200 x 600

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What our Customers Say About Us:

Innovative Service & Solutions

"...the standing order system that Able has instigated has increased my confidence in receiving my supplies on time without the hassles. My routine day revolves around continual paperwork and this system allows me to bypass the paper work and get orders dispatched on the same day. My purchasing department are also impressed regarding the efficiency gains in their area and are satisfied that there is enough checks and balances contained within the system to ensure that ordering limits are restricted to my purchasing approval amount.

Thanks again to the Able team for their professionalism."

Vet Facility Manager - University of Melbourne VIC

"...you have bent over backwards to help us!"

Veterinary Institute – University of Sydney NSW

"...there's another big company that I know wouldn't do this!"

Malaghan Institute - Wellington NZ

"...the things they sell are of very high quality, and the service is great!"

Veterinary Facility – University of Adelaide SA

"Thank you so much for your outstanding service this year. I have greatly appreciated all your help throughout the year and assisting with my many, many requests."

Facility Manager – University of Queensland

"Thank you SO much! You have saved me!"

Technician - BioCSL VIC

Step'N Go

"...we really love these new ones, the researchers like it and its lots safer, saves lots of time and wobbling around. I had seen one of the Automatic ones which was electric but it just kept jamming, and the little manual boxes ones take an age to load, but we really love this one."

Veterinary Institute - University of Western Australia

"...well our staff and researchers love them, they are very easy to use, they save quite a bit of time, we've got the static ones, not the powered ones, and they're fantastic, we couldn't do without them!"

Veterinary Institute - Monash University VIC

CITIC PACIFIC MINING

"The Step'N Go system we use at Sino Iron is used extensively by our Processing department. It's very easy to use and keeps the target floor area from becoming dirty and unsafe."

Superintendent Fibre Management WA

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Australia and New Zealand Head Office:
24 Sorbonne Crescent
Canning Vale 6155 W.A.
Freecall: 1800 73 1300
International: +61 8 9456 2800
Fx: +61 8 9456 3800
Email: info@ablescientific.com.au
Online: www.ablescientific.com.au