

Maxson.



"Vertical Medical Engineering & Manufacturing Solution"

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And had be

# **About Medu-Scientific**

Medu-Scientific Ltd ("MSL") is a comprehensive designer, developer and manufacturer of medical and healthcare products. Since 1987, we have been providing integrated manufacturing solutions to multinational companies for over 25 years. Our expertise in all facets of the product development cycle enables our valued clients to deliver their products in a reliable and punctual manner.

Our relentless commitment to **quality, speed to market and innovation** forms the basis of our everyday operation – from simple manufacturing processes to complex product development projects, we are devoted to complete our work in the highest quality and the most innovative way.



## **Our Products**

Focusing on linking clinical needs with reliable and innovative manufacturing, Medu-Scientific strives to provide the medical profession with cost-effective, ergonomical, and value-adding products. To date, Medu-Scientific has developed a wide gamut of proprietary products and hospital supplies. Globally, our products are relied upon by practitioners to deliver better quality healthcare.

## **Clinical Areas**

Here are just examples of the main clinical areas that we have worked on. Over the course, we have also developed with actual clinical users a host of patented, proprietary items in other areas of medicine.

#### Suction Device and Fluid Waste Management -

Assisting medical professions in managing fluid waste during medical procedures and alleviating patients from everyday aspirations difficulties, our product line-up include: Portable Suction Devices, Receiving Canisters, Suction Liners, Solidifiers and a wide range of accessories.

#### Sharps Management System -

Medical professions should never be exposed to unnecessary risk of needle injury. We offer a variety of different sizes of BS7320- compliant sharp containers that help reduce this risk.

#### Feeding Care and Nutritional Therapy -

From neonatal feeding to nutritional therapy for the disabled, we offer a series of accessories, such as Feeding Bags, Oral Syringes, and Feeding Tubes, that facilitate the feeding process

#### Protective Equipment -

Our goal is to protect medical practitioner from infection risk associated with everyday clinical activities with a series of Face Masks and Eye Shields products.



# **ODM / OEM Product and Services**

With production facilities spanning 1.5 million square feet and a 2000-person strong workforce, Medu-Scientific boosts a comprehensive range of manufacturing capabilities that are ideal for a contract manufacturing partner. **Bring us your ideas**. With over 25 years of experience and a focus on customer service, we can provide collaborative support for your projects from start to finish.

Medu-Scientific has always treated Intellectual Property with a great amount of care and caution. Your ideas will remain to be yours. Our interest is to help our clients realize their products and we have gained trust from our current clients with the way we handle intellectual property.

Selected Clinical Areas where We Have Served as an ODM / OEM Partner:

- Anesthesiology and Intubation
- Pharmaceutical Packaging
- Neonatal Feeding (Pumps and Devices)
- Muscle and Skeletal Rehabilitation Therapy
- Dental Implantation

## **Our Quality**

At Medu-Scientific, we take the quality of our medical products seriously. Our work is governed by a thorough quality management system and all our products are the result of rigorous design and careful testing. Our facility is designed to meet international quality standards in North America, Europe, Japan and China. We are registered with CE, the FDA and the CFDA. We are certified in ISO 13485 and ISO 9001, and we are practicing cGMP. For us, quality is not a compromise, but an obligation.



# **Our Capabilities**

From design conception to tooling to the actual manufacturing, Medu-Scientific provides full contract manufacturing for the medical devices and pharmaceutical industries. Our distinguishing vertically-integrated operation means:

- We can offer valuable inputs to our clients throughout the product development lifecycle, and
- We can exercise greater control over the quality and timeliness of our projects

## **Turnkey Management**

We turn ideas to solutions by providing vertically integrated manufacturing services. This is achieved by Total Project Management with a single point of contact and full support from our Engineering team.

## **Tooling Development & Qualification**

Mold qualification with computer measuring machine and statistical software is vital for controlling the critical dimensions. With technical drawings, test shots to mass production can be complete in as short as 3 months.

## **Test Method Development**

We develop circuit test, automatic test station, final testing station as well as automatic batch tracking system to ensure the in-line mass production will be defect free. Our focus is on upstream management from the supply chain – products are tested and processes are verified in each successive step along production rather than at the final stage only.

## **Product Design & Prototyping**

We use Solid Works, Pro-E and Autocad for research and development and design engineering. From product design to 3D rendering, the mechanical drawing is transformed into prototype in-house. We provide next week prototypes and urgent quotation to expedite the decision making process. We focus on upstream collaborative design with customers at an early stage.

## **Software Engineering & Validation**

In-house electronic engineers has the ability to program, optimize PCB layout as well as integrating the whole user interface n both operational and software mode. With Raw files, prototype turnaround time can be completed in 2 weeks

## **Sterilization Services Management**

Gamma and EO sterilization services are available.

# Manufacturing

Whether it is a Medu-Scientific-branded product or an OEM project, the manufacturing is performed in our ISO:13485-certified facility. We have an integrated team that covers everything from design conception to tool-making to controlled molding to final assembly.

**Plastic Molding** – One of the strongest fortes of Medu-Scientific is our range of plastic molding machines. Our top-of-the-line machines include: High Precision Injection (10-1800 ton), Liquid Silicone Rubber (LSR) injection, Blow Molding (2cm to 1500 cm), Vacuum Forming, PVC / Silicone / EPS Extrusion, In-Mold Labeling and Double Injection.

**Electronics Assembly** – Besides SMT, IC bonding, and PCB assembly, we have capabilities in advance IR / RF/ RC System. All are available under a controlled environment that complies with international quality standards.

**Optics** – Our expertise in glass and plastic optical items spans from tooling to mass production. We have an in-house lineup of grinding, polishing and coating machines for clients looking for manufacturing of biomedical optics.

**Metal Fabrication** – Our metal divisions are skilled in metal stamping, welding and roll forms. We also house automatic lathes machine for precision parts.

**Clean Room Injection and Assembly** – Class 100K injection machines are available together with assembly lines. Class 10K clean room production lines are also available upon request.

**Product Finishing** – Product outlook is as vital as functionality in today's ultracompetitive market. Our in-house decoration capabilities consist of: In-Mold Labeling, Electrostatic Powder Spraying, Metallic / Hand Spraying, Silk / Pad / Rotation Stamp Printing, 2-Shot Injection, Over-Molding, Heat / Water Transfer Labeling, and Laser Etching.

**Sterilization** – UV, EO and Gamma sterilization services, supported by process validation and sterilization reports, are possible with our contract manufacturing services.



## Medu-Scientific has been serving clients for over 25 years in these areas:

- Product Development
- Rapid Prototyping
- Bespoke Tooling
- CNC Machining
- Complete device assembly
- Welding
- Packaging

- Injection molding
- Blow molding
- Extrusion
- Vacuum forming
- Metal stamping
- Electronics
- Clean Room Production

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#### Maxson

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#### Product Code: ST380

Vide's Water Seal Chest Drainage Unit is a 2,000ml sterile disposable three-chamber chest drain. It is designed as a single collection unit used to remove air and fluid from a patient's intrapleural cavity, as a result of pneumothorax, hemothorax, mediastinal shift or other complications that affect the normal breathing resulting from a loss in intrapleural negative pressure.

Safe • Sturdy • Ergonomic The ST380 chest drain can be used as a gravity drain or with a vacuum source.

#### Suction Control (A)

 $\checkmark$  Allows for a maximum 20cmH<sub>2</sub>O suction. Water level adjustable throught self-sealing port.



#### **Diagnostics with Air Leak Monitor** (Water Seal B)

- ✓ Visual detection and bubble size chamber to access patient's air leak trends
- ✓ Sterile water level adjustment as required with self sealing port



#### Self Sealing Sampling Port (C)

✓ Direct sample extraction by 24Ga needle/syringe through self-sealing port.

#### **Reliable 3-Column Collection** Chambers

- ✓ 1ml increments up to 100ml
- ✓ 2ml increments up to 220ml
- ✓ 10ml increments up to 2000ml
- $\checkmark$  Patient Name and Time can be recorded directly on the unit

## PATIENTS SAFETY IS OUR FIRST PRIORITY

#### Safety Features on Vide™ Chest Drain

✓ Low Positive Pressure Relief Valve opens automatically at 4cm H<sub>2</sub>0



0

High Negativity









✓ Tube Management



✓ Graduated Cup ✓ Control Valve



#### Comparison of Vide's Chest Drain and the Key Players:

	NEW! Vide Chest Drain (HK)	Thorametrix (NL)	Atrium Ocean (US)	Teleflex (US)
Volume (mL)	2,000	2,120	2,100	1,000
Dimensions (W*H*D cm)	24.5*36*6.0-22.0	30*41*6.0-25.5	25*37*5.5-22.0	29.5*31*8.5-24.0
Floor Stand, Handle & Bed Hanger	✓ Improved stand, handle & hanger design for ease of use with the practitioner	$\checkmark$	$\checkmark$	$\checkmark$
Water Seal, Funnel & Self-sealing Injection Port	<ul> <li>✓ Pre-packed with 20ml graduated cylinder</li> <li>✓ Clear front panel design for ease of sterile water adjustment</li> </ul>	$\checkmark$	✓ Self-sealing injection port at the rear of the unit which is difficult to operate.	No self sealing injection port.
To Patient & To Suction Tubes	✓ Pre-installed with color-coded tubings to ensure a quick, mistake free and easy setup	Only To Suction Tube installed.	$\checkmark$	Only To Suction Tube installed.
Positive Pressure Relief Valve	<ul> <li>Automatically release for patient safety</li> </ul>	$\checkmark$	$\checkmark$	$\checkmark$
High Negativity Pressure Relief Valve	✓ Relief valve location placed within easy reach	$\checkmark$	$\checkmark$	$\checkmark$
Sampling	<ul> <li>✓ Color coded in the front for easy extraction by 18Ga needle/syringe</li> </ul>	$\checkmark$	$\checkmark$	×
Aesthetics & Tube Management	<ul> <li>✓ Color coded and easy to read</li> <li>✓ Special labeling for the face plate &amp; tubings</li> <li>✓ Special care is taken to ensure tubings are kink-free</li> </ul>	$\checkmark$	$\checkmark$	-

## Vide<sup>®</sup> See the Better

# Dry Suction/Dry Seal Chest Drain



#### Advantages of Vide's Dry Suction/Dry Seal Versus Vide's Water Seal Chest Drain

- ✓ Intuitive Sliding Suction Control panel no more need for finding and filling sterile water!
- ✓ Knock-over nozzle to ensure Function is retained even after unit is accidentally knocked over
- ✓ 7-Scale Air Leak Monitor for more precise air leak quantification
- $\checkmark\,$  8-Discrete Suction Levels with Suction Control Indicator

-5cmH<sub>2</sub>O, -10cmH<sub>2</sub>O, -15cmH<sub>2</sub>O, -20cmH<sub>2</sub>O -25cmH<sub>2</sub>O, -30cmH<sub>2</sub>O, -35cmH<sub>2</sub>O & -40cmH<sub>2</sub>O

- ✓ Y-Shape Sampling Port with self-sampling needless feature, allowing access to fresh blood samples
- $\checkmark$  Low Positive Pressure Relief Valve release automatically at 2cmH<sub>2</sub>O
- ✓ Negative Pressure Relief Valve release automatically during prolonged episode of negative intrapleural pressue
- ✓ Suction and Negative Pressure Indicators allow easy visualization of the status of the unit
- ✓ Vide's Calibrated Dry Suction Chest Drain can maintain consistent suction control at varying negative pressure or flow rate from the source

# **Electrical Suction Units**



A clear indication of pressure level according to ISO 10079-1:1999. Tune your own mode right away. Shorten the tuning process, speed up the treatment.



### VIDE SUCTION UNITS

Item No. (with AC/DC)	MI215-0004 / MI257 (AC only)	MI215-0007	MI215-0005	MI215-0006	MI215-0003			
Canister Type	Rigid Reusable	Autoclaveable	Rigid Di	sposable	Disposable Liner			
Volume (ml)	800	1200	800	1200	1300			
Dimensions	170x108x303 (mm)							
Flow rate	20L/min							
Lowest negative pressure	-50mmHg -6kPa							
Highest negative pressure	≤-600mmHg ≤-80kPa							
AC Input voltage range	100-240V AC							
Operating frequency	50/60Hz							
Input current	2.0A							
Output power	60W							
DC Output Voltage Range	18±5%V							
NiMH Battery Voltage	12V DC							
NiMH Battery Capacity	2200mAh							
Weight of Main Unit with batteries	~1.6kg							
Noise	<65dB(A)							
Filter Efficiency*	≥99.9%							
International Conformity	• IEC 60601-1-2 • ISO 10079-1:1999							
Medical Applications	<ul><li>Aspiration in Ear, Nose and Throat</li><li>Vet Surgeries</li></ul>							
Who may need this?	<ul> <li>Emergency Room</li> <li>Ambulance</li> <li>Clinics</li> <li>Vet Clinics</li> <li>Home Patient</li> <li>Elderly Home</li> </ul>							
Packaging	4pcs/Carton; 0.077CBM	4pcs/Carton; 0.077CBM	-		1pcs/Carton; 0.077CBM			

# **Electrical Suction Units**

ACCESSORIES					
MI232	MI055	MI056	MI151	S11-MI215-10490100	MI157
1pc/Carton; 0.070CBM	48pc/Carton; 0.11CBM	48pc/Carton; 0.15CBM			50pcs/Carton; 0.139CBM
Canister	800mL Rigid Suction Canister	1200mL Rigid Suction Canister	1200mL Autoclaveable Canister	1300mL Suction Canister	1300mL Liner
S11-MI215-0400	A14-MI215-0600	S11-RM010-0022	S11-MI219-1009	S11-1183370-V001 (Europe)	S11-10183301-0S0
				-	
Air Filter	High Flow Filter	Suction Tubing	Elbow Connector	Power Cord	Charger
\$11-MI215-70030000	S11-MI215-70040000				
(For MI215-0004/MI257)	(For MI215-0003/5/6/7)				
Carrying Case	Carrying Case				

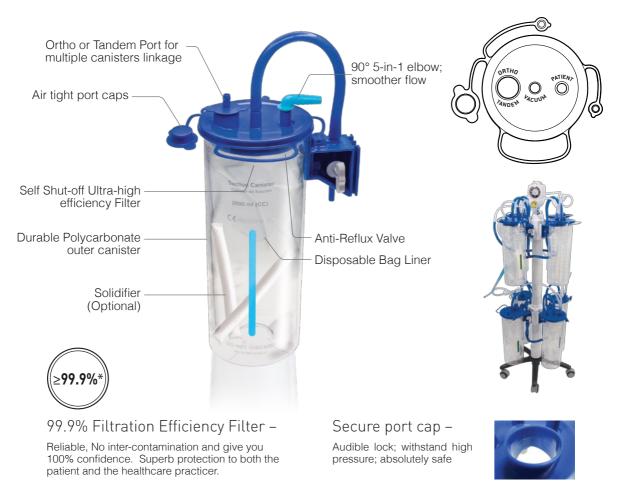




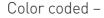
# Suction Liners and Canisters



# Bag Liners



#### \*Tested by Nelson Laboratories Inc.

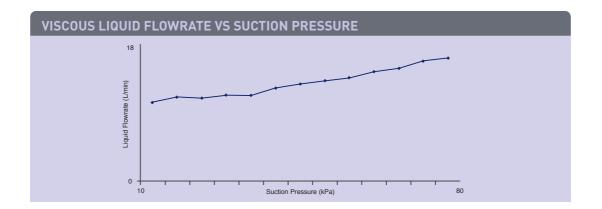


Avoid mismatching; enhancement of daily practice

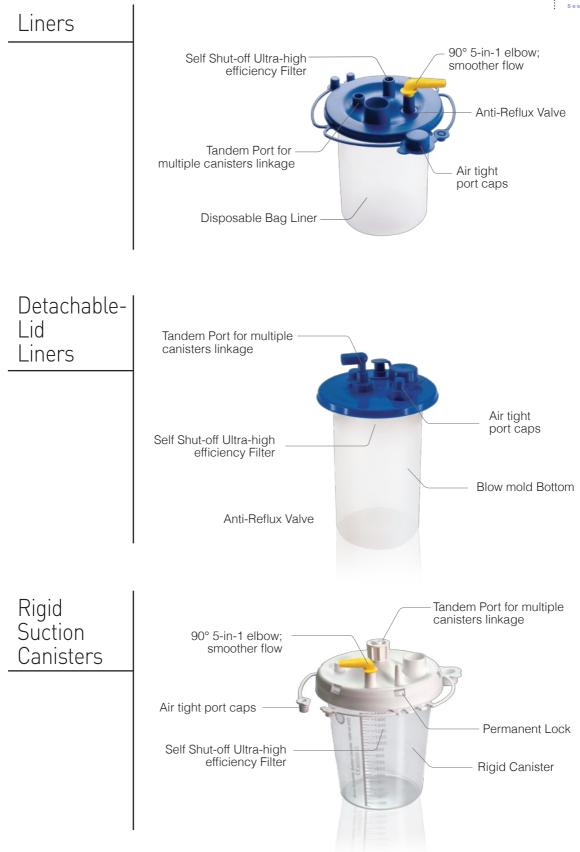


#### Stable performance against pressure

capitalized linear performance against pressure; maximize the suction system performance





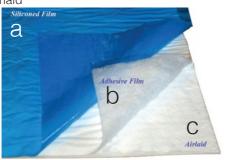


## Absorbio®

New! Patented absorbent carpet for hospital use with high absorbency and high grip characteristics.

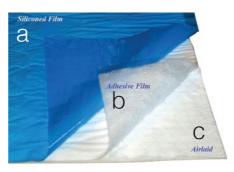
## Components of the carpet

- a) Siliconed Film
- b) Adhesive Film
- c) Airlaid



#### MI185

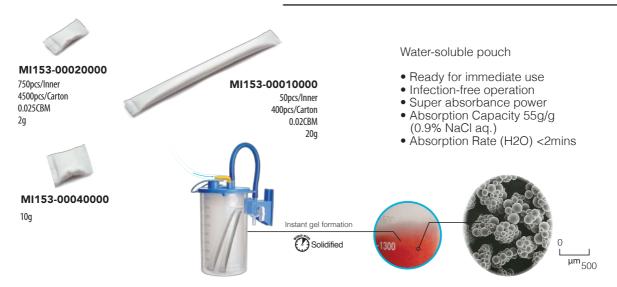
- Absorbio-Ad
- Disinfected 99.99%
- Absorbency capacity 5,000mL/sq.m.
- (w)50cm x (L)40m/per roll



#### MI188

- Absorbio-Hg
- Disinfected 99.99%
- Absorbency capacity **3,500mL/sq.m**.
- (w)50cm x (L)40m/per roll
- a) Upper layer produced with Air-Laid with high absorption of liquids, composed with 80% of fibers of pure cellulose joined to dispersible polypropylene fibers. For these reasons the technology Air-Laid can be defined 100% ecological.
- b) Adhesive film properly studied to adhere to the floor so as to ensure maximum stability and, when removed, leaves no traces of glue.
- c) Siliconed film bonded to the adhesive film is essential for a correct application of the carpet to the floor.





	Liner Series									
		Bag L	iners		Bag Liners with Solidifiers					
ltem No.	MI285-0003	MI286-0003	MI287-0003	MI288-0003	MI285-0002	MI286-0002	MI287-0002	MI288-0002	MI129-0008	
Volume (ml)	1000	1500	2000	3000	1000	1500	2000	3000	1000	
Solidifier Pack (10g)			-		1	2	2	3		
Material		HDPE	/ LDPE			HDPE	/ LDPE			
Max. Diamter (mm)		1	97			1	97			
Min Diamter (mm)		1	11			1	11			
Height (mm)	245	295	295	445	245	295	295	445	165	
Measurement Tolerances	±10% ±10%									
Max. Vacuum			MPa mmHg)		0.1MPa (750 mmHg)					
Filter Efficiency*		≥99	2.9%		≥99.9%					
Assembly							-			
Medical Applications	<ul> <li>Aspiration of Ear, Nose and Throat</li> <li>Endoscopy</li> <li>Liposuction</li> <li>Obstetrics</li> <li>Surgeries</li> </ul>									
Who may need this?	<ul> <li>Emergency Room</li> <li>Intensive Care Unit</li> <li>Operating Theatre</li> <li>Ward</li> <li>General Clinics</li> <li>Dental Clinics</li> </ul>									
Packaging	50pcs/Carton	50pcs/Carton	50pcs/Carton	50pcs/Carton	50pcs/Carton	50pcs/Carton	50pcs/Carton	50pcs/Carton	20pcs/Carton 0.100CBM	



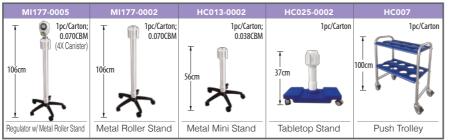
Liner Series										
(	Outer Canister	S		Liners			Outer Canister	s		
MI358-0001	MI358-0003	MI358-0002	MI157	MI158	MI159	MI129	MI130	MI131		
1500	2000	3000	1300	1800	3200	1300	1800	3200		
	-			-			-			
	Polycarbonate	5		HDPE / LDPE			Polycarbonat	e		
	182.3			182.3			182.3			
	131.6			131.6			131.6			
220.5	220.5	377.5	159	214.5	371.5	165	220.5	377.5		
	±10%			±10%			±10%	1		
	0.1MPa (750 mmHg)			0.1MPa (750 mmHg)			0.1MPa (750 mmHg)			
	-			≥99.9%			-			
	-			-			-			
<ul> <li>Aspiration of Ear, Nose and Throat</li> <li>Endoscopy</li> <li>Liposuction</li> <li>Obstetrics</li> <li>Surgeries</li> </ul>										
<ul> <li>Emergency Room</li> <li>Intensive Care Unit</li> <li>Operating Theatre</li> <li>Ward</li> <li>General Clinics</li> <li>Dental Clinics</li> </ul>										
20pcs/Carton 0.130CBM	20pcs/Carton 0.130CBM	12pcs/Carton 0.120CBM	50pcs/Carton 0.139CBM	50pcs/Carton 0.158CBM	50pcs/Carton 0.165CBM	20pcs/Carton 0.100CBM	20pcs/Carton 0.130CBM	12pcs/Carton 0.120CBM		

	Liner Series							Rigid	Series	
	Deta	chable-Lid I	Liners	Outer Canisters			Canisters			
							<b>*</b>		•	•
ltem No.	MI217	MI243	MI248	MI262	MI263	MI265	MI055	MI056	MI201	MI202
Volume (ml)	1000	1500	3000	1000	1500	3000	800	1200	1500	1500
Solidifier Pack	-				-				-	
Material	ŀ	HDPE / LDP	E		Polycarbor	nate		Polyca	rbonate	
Max. Diamter (mm)		136			136			17	7.2	
Min Diamter (mm)	134			126.5			131.6			
Height (mm)	167	220	372	140	196	345	139.7	185	174.5	174.5
Measurement Tolerances	±10%				±10%			±10	)%	
Max. Vacuum		0.1MPa (750 mmHg)			0.1MPa (750 mmHg)		0.1MPa (750 mmHg)			
Filter Efficiency*		≥99.9%			-		≥99.9%			
Assembly		-			-		Yes			
Medical Applications	<ul> <li>Aspiratio</li> <li>Endoscop</li> <li>Liposucti</li> <li>Obstetric</li> <li>Surgeries</li> </ul>	on s	e and Throat				<ul> <li>Aspiratio Nose and</li> <li>Wound T</li> </ul>	d Throat	• Aspiratio Nose and	
Who may need this?	<ul> <li>Emergency Room</li> <li>Intensive Care Unit</li> <li>Operating Theatre</li> <li>Ward</li> <li>General Clinics</li> <li>Dental Clinics</li> </ul>									
Packaging	_	-	-	-	-	_	48pcs/Carton 0.161CBM	48pcs/Carton 0.161CBM	48pcs/Carton 0.161CBM	48pcs/Carton 0.161CBM

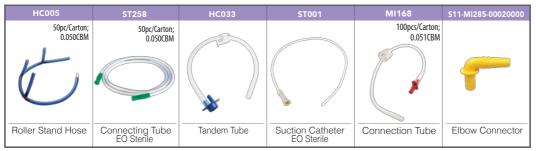


#### ACCESSORIES

#### **Trolleys & Stands**



#### **Tubing & Connectors**



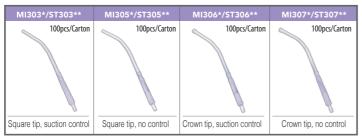
#### **Wall Mounts & Brackets**



#### **Specialized Applications**

MI153-00020000	MI153-00040000	MI153-00010000	HC026	MI291	MI359	MI361
750pcs/Inner; 4500pcs/Carton; 0.025CBM		50pcs/Inner; 400pcs/Carton; 0.02CBM	<b>.</b>			
2g Solidifier	10g Solidifier	20g Solidifier	Specimen Collector	15L Suction Canister	300ml Measurement Cup	250ml Suction Canister

#### **Yankauer Suction Tube**



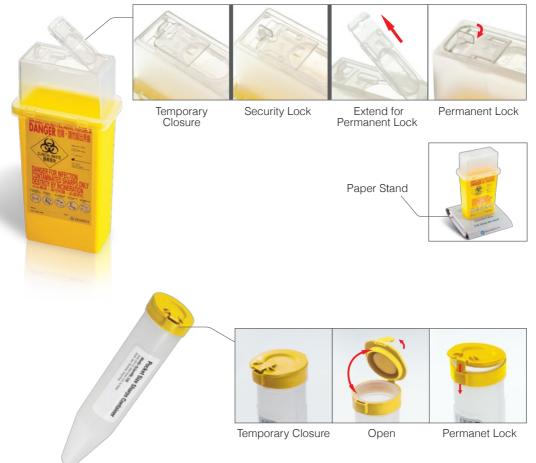
\*Non-sterile \*\*Sterile

Maxson®

# Sharps Containers







## Dual Locking System –

Permanent and temporary, to prevent loss of content during transit or usage.

## Needle detaching holes -

3 needle detaching holes for different syringes: luer lock, slip tip and eccentric tip. Prevent direct contact with needle. Protect the healthcare practicer.

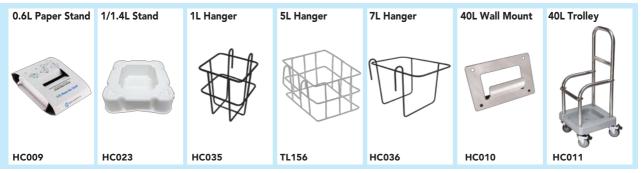
International Compliance – BS 7320:1990 OSHA 29 CFR 1910.1030 ASTM F2132 - 01(2008)e1 AS 4031:1992 ISO23907



# Sharps Containers



## ACCESSORIES



# Sharps Containers

	Poc	ket Size		Small Size		1	Medium Size		Large Size
							A SECOND		
Item No.	MI279	MI207	MI155	MI312	MI235	MI128	MI323	MI313	MI218
Volume (L)	0.07	0.6	1	1	1.4	5	6	7	40
Outer Dimensions (mm)	39 x 39 x 166	100 x 55 x 220	110 x 95 x 190	118 x 115 x 176	110 x 95 x 270	210 x 155 x 255	200 x 200 x 290	245 x 175 x 285	352 x 352 x 660
Opening Dimensions (mm)	ø28	37 x 22	60 x 35	260 x 210	60 x 35	83 x 33	240 x 380	350x122	100 x 300
Net Weight (kg)	0.024	0.05	0.06	0.12	0.15	0.18	0.45	0.36	2.6
Material				Punctur	re Resistant	Polypropylene			
Leak Resistant					Yes				
Temporary Closure	1	2		-		1		-	1
Permanent Closure					1				
Mode of usage					Single U	se			
International Conformity	ASTM F2	BS7320:1990     AS 4031:1992     ASTM F2132 - 01(2008)e1     ISO 23907     OSHA 29 CFR 1910.1030							
Medical Applications	<ul> <li>Complete syringe wi disposal</li> </ul>		Phlebotomy     Phlebotomy			• Extra Large Sharps • Pharmaceutical			
Who may need this?	• Commun	ity Nurse	<ul> <li>Clinics</li> <li>Ward</li> <li>Elderly H</li> <li>Neonatal</li> <li>Care Unit</li> </ul>	Intensive		<ul> <li>Clinics</li> <li>Ward</li> <li>Elderly Home</li> <li>Dentist</li> <li>Vet</li> <li>Intensive Care Unit</li> <li>Operation Theatre</li> </ul>		<ul> <li>Clinics</li> <li>Intensive Care Unit</li> <li>Operation Theatre</li> </ul>	



Bio-Medical Plasticwares, Specimen Containers & Laboratory Receptacles



<b>22ml</b> Capacity	(data) 			
item No.	Cap Color	Descriptions	Sterility Condition	Case Quantity (pcs)
MI722-WPEP1010	$\bigcirc$	22ml-25mm Ø <b>Purple</b> Stool Specimen Container w/ <b>scoop</b> , label, 100/pk	Aseptic	1000
MI722-WCEP1010	$\bigcirc$	22ml-25mm Ø <b>Tansparent</b> Stool Specimen Container w/ <b>scoop</b> , label, 100/pk	Aseptic	1000

<b>25ml</b> <sub>Capacity</sub>				
ltem No.	Cap Color	Descriptions	Sterility Condition	Case Quantity (pcs)
MI725-WCEP0001	$\bigcirc$	25ml-22mm Ø Specimen Container w/ label, 10/pk	Aseptic	1000
MI725-YCEP0000	$\bigcirc$	25ml-22mm Ø Specimen Container w/out label, 10/pk	Aseptic	1000
AS725-WCEP0000-G	$\bigcirc$	25ml-22mm Ø Gamma Irradiated Specimen Container w/out label, 10/pk	Gamma Irradiated	1000

<b>30ml</b> Capacity				*w/ Scoop
ltem No.	Cap Color	Descriptions	Sterility Condition	Case Quantity (pcs)
MI730-WCES1001	$\bigcirc$	30ml-23mm Ø <b>Clear PS Stool Specimen Container</b> *w/ <b>Scoop</b> , label, 10/pk	Aseptic	500
AS730-YCEP1001-G	$\bigcirc$	30ml-23mm Ø Gamma Irradiated <b>Stool</b> Specimen Container *w/ <b>Scoop</b> , 10/pk	Gamma Irradiated	500
AS730-RCES0000-G	•	30ml-23mm Ø <b>Clear PS</b> Gamma Irradiated Specimen Container w/o label, 10/pk	Gamma Irradiated	500
AS730-WCES0000-G	$\bigcirc$	30ml-23mm Ø <b>Clear PS</b> Gamma Irradiated Specimen Container w/o label, 10/pk	Gamma Irradiated	500

<b>60ml</b> Capacity				*w/ Scoop
ltem No.	Cap Color	Descriptions	Sterility Condition	Case Quantity (pcs)
MI760-RCEP1001	•	60ml-32mm Ø <b>Stool</b> Specimen Container *w/ <b>scoop</b> , label, 10/pk	Aseptic	600
MI760-WCES0000	$\bigcirc$	60ml-32mm Ø <b>Clear PS</b> Specimen Container <b>w/out label</b> , 10/pk	Aseptic	600
AS760-RCEP1001-G		60ml-32mm Ø <b>Stool</b> Gamma Irradiated Specimen Container, *w/ <b>scoop</b> , label, 10/pk	Gamma Irradiated	600
AS760-RCEP0101-G	•	60ml-32mm Ø <b>Boric Acid</b> Gamma Irradiated Specimen Container, w/ special label, 10/pk	Gamma Irradiated	700

<b>75ml</b> Capacity				
item No.	Cap Color	Descriptions	Sterility Condition	Case Quantity (pcs)
MI775-WKEP0000	$\bigcirc$	75ml-41mm Ø <b>Black</b> Specimen Container w/out label, 10/pk	Aseptic	600

<b>75ml</b> Capacity	STERLI Name Martin Statistics Law min			
ltem No.	Cap Color	Descriptions	Sterility Condition	Case Quantity (pcs)
MI775-BCEP0001		75ml-41mm Ø Specimen Container w/ label, 10/pk	Aseptic	500
AS775-PCEP0001-G		75ml-41mm Ø Gamma Irradiated Specimen Container w/ label, 10/pk	Gamma Irradiated	600
AS775-YCEP0001-G	$\bigcirc$	75ml-41mm Ø Gamma Irradiated Specimen Container w/ label, 10/pk	Gamma Irradiated	600

<b>125ml</b> <sub>Capacity</sub>				
ltem No.	Cap Color	Descriptions	Sterility Condition	Case Quantity (pcs)
MI125-WCEP0000	$\bigcirc$	125ml-52mm Ø Specimen Container w/ <b>etched writing area</b> , 5/pk	Aseptic	250
MI125-YCEP0000	0	125ml-52mm Ø Specimen Container w/ etched writing area, 5/pk	Aseptic	250
AS125-WCEP0000-G	0	125ml-52mm Ø Gamma Irradiated Specimen Container w/ etched writing area, 1/pk	Gamma Irradiated	250
AS125-YCEP0000-G	•	125ml-52mm Ø Gamma Irradiated Specimen Container w/ etched writing area, 1/pk	Gamma Irradiated	250

<b>125ml</b> Capacity				
ltem No.	Cap Color	Descriptions	Sterility Condition	Case Quantity (pcs)
MI126-YCEP0000	$\bigcirc$	125ml-52mm Ø Specimen Container w/ <b>double-walled design cap,</b> etched writing area, 5/pk	Aseptic	250
AS126-YCEP0000-G	•	125ml-52mm Ø Gamma Irradiated Specimen Container w/ double-walled design cap, etched writing area, 1/pk	Gamma Irradiated	250

<b>125ml</b> Capacity				
ltem No.	Cap Color	Descriptions	Sterility Condition	Case Quantity (pcs)
MI059-00010000		125mm-62mm Ø Cup for Sputum Mucus & Urine	Non-Sterile	500

<b>90mm</b> Diameter					
Stackable Vented 90mm Diameter (Vertical & Horizontal)					
Item No.	Descriptions	Sterility Condition	Case Quantity (pcs)		
MI335-0001	90mm Ø x 15mm Petri Dish, triple vent compatible w/ stacking machine, 20/pk	Aseptic	500		
AS335-0001-G	90mm Ø x 15mm Gamma Irradiated Petri Dish triple vent, compatible w/ stacking machine, 20/pk	Gamma Irradiated	500		
Stackable Vented 90mm Diameter (Vertical Stacking)					
ltem No.	Descriptions	Sterility Condition	Case Quantity (pcs)		
MI336-0001	90mm Ø x 15mm Petri Dish, triple vent compatible w/ stacking machine, 20/pk	Aseptic	500		
AS336-0001-G	90mm Ø x 15mm Gamma Irradiated Petri Dish triple vent, compatible w/ stacking machine, 20/pk	Gamma Irradiated	500		
Stackable Vente	d 90mm Diameter (Horizontal Stacking)				
ltem No.	Descriptions	Sterility Condition	Case Quantity (pcs)		
MI337-0001	90mm Ø x 15mm Petri Dish, triple vent compatible w/ stacking machine, 20/pk	Aseptic	500		
AS337-0001-G	90mm Ø x 15mm Gamma Irradiated Petri Dish triple vent, compatible w/ stacking machine, 20/pk	Gamma Irradiated	500		

# Innoculation Loop

ltem No.	Descriptions	Sterility Condition	Case Quantity (pcs)
AS001-0001-G	1ul Gamma Irradiated Innoculating Loop, 10/pk	Gamma Irradiated	2,000
AS002-0001-G	10ul Gamma Irradiated Innoculating Loop, 10/pk	Gamma Irradiated	2,000

ltem No.	Descriptions	Sterility Condition	Case Quantity (pcs)
ST009-0001	15ml EO Sterile Centrifuge Tube, 50/pk	Non-Sterile	500
MI339-0001	15ml Centrifuge Tube, conical, 50/pk	Non-Sterile	500
MI340-0001	30ml Centrifuge Tube, <b>self-standing</b> , 50/pk	Non-Sterile	500
MI341-0001	50ml Centrifuge Tube, conical, 50/pk	Non-Sterile	500
MI342-0001	50ml Centrifuge Tube, <b>self-standing</b> , 50/pk	Non-Sterile	500
ST010-0001	50ml EO Sterile Centrifuge Tube, conical, 50/pk	E0 Sterile	500

# Microcentrifuge Tube

Item No.	Descriptions	Sterility Condition	Case Quantity (pcs)
MI338-0001	1.5ml Centrifuge Tube w/ cap, 500/pk	Non-Sterile	5,000

ltem No.	Descriptions	Sterility Condition	Case Quantity (pcs)
MI343-0001	5ml-12 Ø x 75mm Clear PS Test Tube, Highly Transparent, 100/pk	Non-Sterile	2,000
MI344-0001	5ml-13 Ø x 75mm Clear PS Test Tube, Highly Transparent, 100/pk	Non-Sterile	2,000
MI345-0001	14ml-15 Ø x 100mm Clear PS Test Tube, Highly Transparent, 100/pk	Non-Sterile	2,000
MI346-0001	14ml-16 Ø x 100mm Clear PS Test Tube, Highly Transparent, 100/pk	Non-Sterile	2,000
MI347-0001	15ml-17 Ø x 100mm Clear PS Test Tube, Highly Transparent, 100/pk	Non-Sterile	2,000
MI348-0001	12mm Ø Red Test Tube Cap	Non-Sterile	4,000

## Tube Rack

Item No.	Descriptions	Sterility Condition	Case Quantity (pcs)
HC037-0001	Test Tube Rack, 1/pk	Non-Sterile	50

ltem No.	Descriptions	Sterility Condition	Case Quantity (pcs)
MI349-0001	<b>1ml</b> Transfer Pipette, bulk, 500/box	Non-Sterile	5,000
AS349-0001-G	1ml Gamma Irradiated Transfer Pipette, 10/pk, 500/box	Gamma Irradiated	2,000
AS349-0002	1ml Gamma Irradiated Transfer Pipette, 1/pk, 500/box	Gamma Irradiated	2,000
MI350-0001	<b>3ml</b> Transfer Pipette, bulk, 500/box	Non-Sterile	5,000
AS350-0001	3ml Gamma Irradiated Transfer Pipette, 10/pk, 500/box	Gamma Irradiated	2,000
AS350-0002	3ml Gamma Irradiated Transfer Pipette, 1/pk, 500/box	Gamma Irradiated	2,000
MI351-0001	5ml Transfer Pipette, bulk, 250/box	Non-Sterile	5,000
AS351-0001	5ml Gamma Irradiated Transfer Pipette, 10/pk, 500/bag	Gamma Irradiated	1,500
MI352-0001	<b>7ml</b> Transfer Pipette, bulk, 250/box	Non-Sterile	5,000
AS352-0002	7ml Gamma Irradiated Transfer Pipette, 10/pk, 500/bag	Gamma Irradiated	1,500

Pipette Tip

item No.	Descriptions	Sterility Condition	Case Quantity (pcs)
MI353-0001	200µl Universal Pipette Tip, 1,000/pk	Non-Sterile	30,000
MI354-0001	1000µl Universal Pipette Tip, 500/pk	Non-Sterile	10,000

	WASTE		
ltem No.	Descriptions	Sterility Condition	Case Quantity (pcs)
HC038-0001	310 x 660mm <b>PP</b> Transparent Autoclave Bag	-	250
HC039-0001	610 x 810mm PP Transparent Autoclave Bag	-	250
HC040-0001	500 x 600mm PP Transparent Autoclave Bag	-	250
HC041-0001	540 x 205mm PP Transparent Autoclave Bag	-	250
HC042-0001	610 x 965mm PP Transparent Autoclave Bag	-	250
HC043-0001	310 x 660mm <b>HDPE</b> Translucent Autoclave Bag	-	250
HC044-0001	610 x 810mm HDPE Translucent Autoclave Bag	-	250
HC045-0001	500 x 600mm HDPE Translucent Autoclave Bag	-	250
HC046-0001	540 x 205mm HDPE Translucent Autoclave Bag	-	250
HC047-0001	610 x 965mm HDPE Translucent Autoclave Bag	-	250

# Sample Bag

ltem No.	Descriptions	Sterility Condition	Case Quantity (pcs)
AS003-0001	400ml Gamma Irradiated Sampling Bag, 500/box	Gamma Irradiated	2500



## Enteral Feeding



		Drip Alert				
					S S D V CLU	
ltem No.	MI191	MI220	ST295	ST225	EL030	
Volume (ml)	1200	600	1200	600	The Drip Alert <sup>™</sup> is a supplementary monitoring device designed to sound an alarm when dripping	
Drip Chamber (drops per ml)	20	20	20	20		
Tube Length (m)	1.4	1.4	1.4	1.4	failure or predetermined variation has occurred. The dripping failure may be the result of and not	
Material	Food Grade PVC	Food Grade PVC	Food Grade PVC	Food Grade PVC	limited to the following abnormalities:	
Optimum Temperature	5°C to 60°C	5°C to 60°C	5°C to 60°C	5°C to 60°C	-Fluid supply is out -Fumbling of fluid by patient -Predetermined variation of % of fluid going into	
Sterile	-	-	EO	EO	patient (Green 18% and Red 12%)	
Packaging	30pcs/Carton 0.03CBM	30pcs/Carton 0.03CBM	30pcs/Carton 0.044CBM	30pcs/Carton 0.044CBM	48pcs/carton 0.013CBM	

	Oral Syringe					
		Ĭ				
ltem No.	MI195	MI196	MI197	MI198	MI270	
Volume (ml)	1	3	5	10	20	
Packaging	-	100pcs/inner; 2400pcs/outer 0.059CBM	100pcs/inner; 2400pcs/outer 0.084CBM	100pcs/inner; 1800pcs/outer 0.100CBM	-	

• Barrel and plunger are assembled and ready for use with clear graduations • Special tip of the plunger cannot fit with hypodermic needle

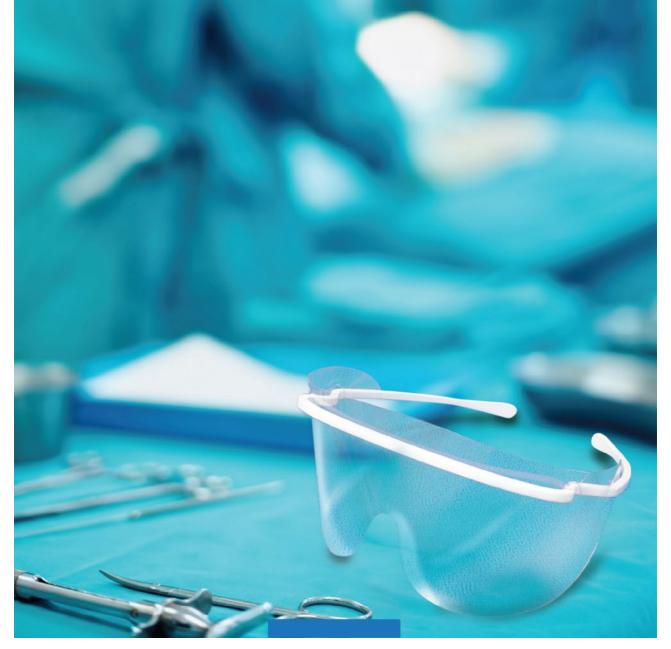
• Tip cap is provided for recap if multiple use is required

• Bright purple plunger alerts clinician that syringe if for oral use

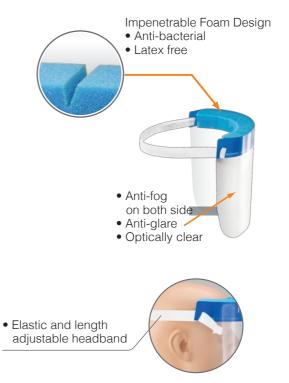
• Material does not affect medications or solutions to be used

• Non-sterile bulk pack at 100pcs/poly bag









- A complete guard against splashes
- Comfortable
- Highly transparent, visibly clear film
- No hearing restriction

- Individually packed
- For all medical, dental and laboratory users
- CE compliance
- Patent ZL 2008 3 0216411.X









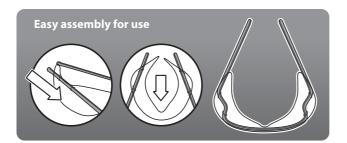


- Full eye protection from accidental splashes
  Disposable film for quick replacement
  Elastic frame for different head sizes
  Comfort frame design

- Several color selections for the frame
- Ergonomic design
- Anti-fog
- Highly transparent











	Eye Shield	Face Shields			
		Face Shield	Velcro Face shield	Short Face Shield	Face Mask with Shield
		FACE SHIELD D		FACE SHIELD D	
ltem No.	MI149	MI163	MI283	MI213	MI227
Size of film (mm)	(L) 240 x (W) 70	(L) 320 x (W) 220	(L) 320 x (W) 220	(L) 320 x (W) 150	(L) 300 x (W) 115
Material of film	PET	PET	PET	PET	PET
Dual Sides Anti-fog	Yes	Yes	Yes	Yes	Yes
Elastic Frame	Yes	No	No	No	No
Sponge & Elastic Band	No	Yes	Velcro	Yes	Yes
Mask	No	No	No	No	Yes
Conformity	N/A	ISO 10993 Biocompa	tibility		
Packaging	Frame: 50pcs/Inner Carton Transparent film: 200pcs/Inner Carton 5 sets/Outer Carton; 0.028CBM	50pcs/Inner Carton 200pcs/Outer Carton; – – 0.110CBM			-
Medical Application	<ul> <li>Scientific Researches</li> <li>Surgeries</li> <li>Infection Control</li> </ul>	<ul> <li>Endoscopy</li> <li>Scientific Researches</li> <li>Surgeries</li> <li>Infection Control</li> </ul>			
Who may need this?	<ul> <li>Emergency Room</li> <li>Laboratory</li> <li>Intensive Care Unit</li> <li>Operating Theatre</li> </ul>	<ul> <li>Emergency Room</li> <li>Laboratory</li> <li>Intensive Care Unit</li> <li>Operating Theatre</li> <li>Ward</li> <li>General Clinics</li> <li>Dental Clinics</li> </ul>			



### Revolutionary "Clover Brush" Pap Smear Device

According to the World Health Organization and the Center of Disease Control, cervical cancer is the fifth most deadly cancer globally among women and the eighth most deadly cancer in the United States among women. Prognosis of cervical cancer can be greatly improved by early, effective and regular pap smear procedure. In developing countries, where regular pap smear test is not a common practice, cervical cancer is therefore especially ubiquitous. Even when pap smear is performed regularly, however, an effective tool to procure cell samples from the cervical region is needed. An effective cervical brush needs to perform the following tasks: be able to collect the most cells samples in a least amount of time required, be able to collect cells from different regions in the cervical region, and allow practitioner an adequate viewing on the cervical region during sample collection. Currently, existing products suffer from an inability to perform all three of above in one setting.

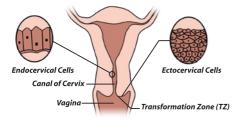
#### Introducing the "Clover Brush" Pap Smear Device

Developed in conjunction with a prominent gynecologist, the Clover Brush is an innovative and effective tool for pap smear. Its patented tilted clover-shaped soft brush head allows for maximum contact during pap smear. The prolonged tip also allows for easy introduction to the cervical region. In one single turn, cells from the transformation zone (TZ) and from the endocervix can be collected with ease. Furthermore, unlike other market products, there is no need to touch the brush head after procedure: the brush head is designed to be detached from the stem by pulling on the other end of the device, thereby greatly reducing the risk of cross-contamination.

US Patent No: 7,517,323 510(k) approval pending



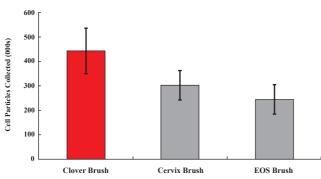
Easy to use and dispose:

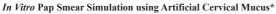




### Tested and True:

Third-party studies have affirmed the efficacy of the "Clover Brush" pap smear device. In one study, artificial cervical mucus was produced and cell-like particles are dispersed throughout. The number of particles collected by our device is measured against existing market products:





\*comparison chart by HKPC

	Clover Brush			
	*			
Item No.	MI027 / ST027 (EO Sterile)			
Length (cm)	22.8			
Diameter (mm)	6.0			
Packaging	10pcs/bag; 50bags/Carton; 0.025CBM			
Medical Application	• Gynecology			
Who may need this?	• Ward • General Clinics • Laboratory			
Flexible brush head with a clover-shaped design for maximum contact with the cervix.				

• Soft detachable head is able to tilt with an angle.

• Effective collection of cells in transformation zone and endocervix.

• Single use only.

• Brush head neatly detaches from the handle for liquid-based preparations.



## Incontinence



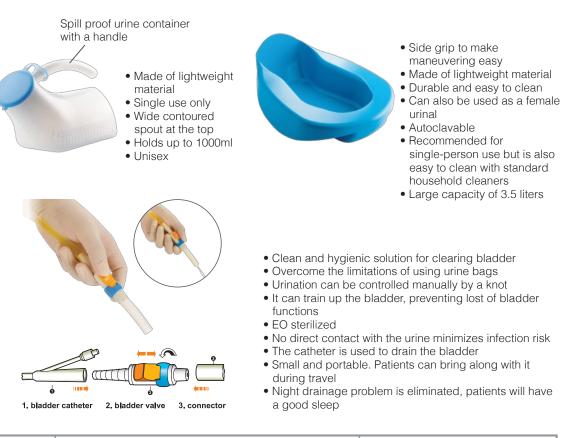
### Incontinence



\*International patents pending



	Toilet					
	Uritravel Disposable Toilet	Happy-Pi Kid's Toilet	Uriwell Personal Toilet	UriTest for Adult	me too for Ladies	Collector for Kids
						00
Item No.	MI170	MI171	MI172	MI192	MI259	MI260
Volume (ml)	1500	400	800	-	-	-
Packaging	50pcs/Carton 0.052CBM	50pcs/Carton 0.069CBM	50pcs/Carton 0.069CBM	1500pcs/Carton 0.03CBM	-	-
Medical Application	• Personal Hygiene					
Who may need this?	• Ward • General Clinics					



	Cor				
	1000ml Urine Container Bed Pan		Bladder Valve		
ltem No.	MI064 MI070		MI133 / ST133 (EO Sterile)		
Volume (ml)	1000	3500	-		
Packaging	40pcs/Carton 0.138CBM	10pcs/Carton 0.106CBM	400pcs/Carton 0.029CBM		
Medical Application	• Personal Hygiene	Infection Control	<ul> <li>Personal Hygiene</li> <li>Urology</li> <li>Infection Control</li> </ul>		
Who may need this?	• Ward • General Clinics • Sanatorium				
	Single use only Wide contoured spout at the top Spill proof container with a handle	Autoclavable (L)36cm x (W)31cm x (H)14cm			

# **Electrical Muscle Simulation**



4 AAA Batteries

#### MI035

#### Powered Muscle Stimulator for Muscle Conditioning

- Firm, tighten, tone your abs, butts and calves
- Can exercise your target area and back anytime
- Cleared by the FDA for tightening, toning and strengthening healthy muscles with 510(k)
  Safe and effective medical device with medical grade gel pads