



# Pole Ideal Pars



# General Catalog

[www.medpip.com](http://www.medpip.com)  
2020

**Pole Ideal Pars (P.I.P.)** is a manufacturing company, providing products that are designed to solve problems, promote innovation, and improve productivity, thanks to the expertise, endeavor, commitment, and almost 40 years of experience.

As we produce the medical and laboratory consumables and disposables, our sister company, **Pole Ideal Tajhiz (P.I.T.)**, is the manufacturer of laboratory devices, both ISO 13485:2016 and ISO 9001:2015 certified. We take pride in our products quality while focusing on ways to continuously better serve our target markets.

We benefit from skilled and dedicated employees with great passion who played a significant role in research and development of new products, strict quality control, and improving customer satisfaction, reliability, and safety.

By developing a systematic structure, we provide our customers and end-users with products of the highest quality, in compliance with all applicable standards.  
To us, quality is priority.



**Morteza Ostadrahimi**  
CEO of Pole Ideal Pars Co.



Pole Ideal Pars Co. (P.I.P.) started their activity to improve social health by gathering experienced personnel and experts together and benefitting from almost 4 decades of experience in manufacture, sales, import and export of medical and laboratory equipment. A wide product range, customized service, top quality materials and numerous product certifications are just some of P.I.P.'s strong points.

The main objective of this company is to provide a wide range of standard products to meet customers needs. The most important requirement for laboratory and medical equipment technology is providing and controlling quality in each and every stage of production and our highly qualified and experienced personnel strive to produce high quality products at competitive prices. The Quality System is organized to ensure that customer satisfaction has always been an important goal; therefore, collecting and analyzing customer feedback result in improving products according to the state-of-the-art technology.

To view Pole Ideal Pars standards, certificates, and acknowledgments, please visit our website at [www.medpip.com](http://www.medpip.com).



CERTIFIED  
ISO 13485:2016



CERTIFIED  
ISO 9001:2015





**#Commitment**

**#After-Sales Services**



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We, at Pole Ideal Pars and Pole Ideal Tajhiz companies have designed a product registration system to provide maximum after-sales service and delight customers after the sale.

By each product registration you can receive exclusive benefits like:

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#### Icon Caption



Disposable



Autoclavable at 121°C and 1 atm



Resistant to most of the common laboratory acids and chemicals



Alphanumeric Identification



Graduated



Stackable











Freezable

\*The technical data (including dimensions, capacity, and resistance) specified in this catalog are approximated. The resistance of substances (to chemicals, temperature, centrifugation, etc.) may suffer variations depending on environmental and external conditions. It is recommended that the product be used under the predicted conditions.

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Dimensions are mentioned as "length × width × height".

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## Liquid Handling



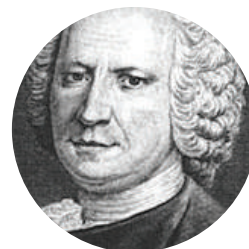
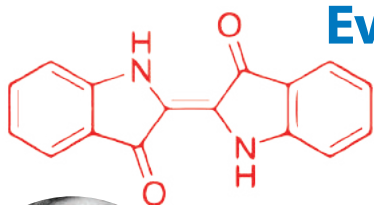


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A Good Beginning  
Makes a Good Ending



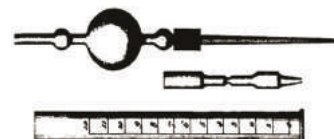
# Evolution of the pipette



**1810**

The invention of alkalimeter

A student of Guillaume- Francois Rouelle, Francois Descroizilles, invented the alkalimeter- an early precursor to the pipette.



**1824**

First statement of the terms "pipette" "burette" and "titrate"

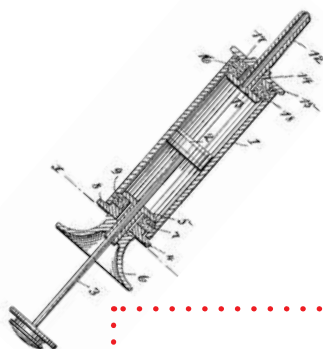


Joseph Louis Gay-Lussac, a French chemist and key figure in the development of volumetric analysis, coined the term "pipette" as well as the terms "burette" and "titrate".

**1860-1864**

The Invention of the early pipette

Understanding the need to keep everything clean and germ-free, Louis Pasteur, the French scientist, used long, thin glass tubes to transfer fluids. This valuable tool became known as the "Pasteur pipette", a term still widely used today.



**1889**

The invention of the first piston syringe

Martin Overlach patented a syringe that housed a chamber that didn't leak; this syringe contained pistons. The syringe did not play a direct role in the development of the pipette, but the piston action did find early success in shaping the modern pipette.



**1893**

The first recorded laboratory infection

The first recorded laboratory infection due to mouth pipetting occurred with the case of a physician who accidentally sucked a culture of typhoid bacilli into his mouth.



**1933**

Development of the first plastic pipettes

Imperial Chemical Industries develop low-density polyethylene (LDPE) a thermoplastic made from the monomer ethylene. Eliminating breakage, plastic pipettes are usable in a wide range of activities.



**1936**

The Carlsberg pipette

Lang- Levy, or Carlsberg pipette was patent At Denmark's Carlsberg laboratory.







**1947**

Development of the first microliter syringe

While working at the Radiation Laboratory at U.C. Berkley under Dr. Ernest O. Lawrence, Clark Hamilton develops the first microliter syringe.



**1957**

Development of Marburg pipette

Heinrich Schnitger developed the first piston-stroke pipette, making the process of pipetting much faster. Simple, elegant, and effective, the micropipette revolutionized the handling of small liquid volumes.



**1973**

The first multichannel pipette

Multichannel pipettes range included 4, 8, and 12 channels, up to 300 ul per channel.



**1974**

The first variable volume pipette

Warren Gilson and Henry Lardy patent their own micropipette model in the United States with the notable change of being adjustable.



**1984**

The first electronic pipette

Rainin files a patent for the Stepper Motor Electronic Pipette.



**1989**

Variable multi-channel pipette

Advances in molding technologies open up opportunities for the introduction of variable spacing multi-channel pipettes.



**2000**

The first digital-display pipette

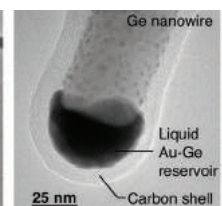
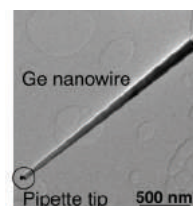
Rainin files a patent for a pipette with digital display but where piston movement is still thumb activated.



**2007**

The development of the world's smallest pipette

Eli and Peter Sutter of the Brookhaven National Laboratory develop the world's smallest pipette. It is capable of dispensing drops of a molten gold-germanium alloy with a volume of a few zeptoliter. ( $10^{-21}$   $\mu$ l)

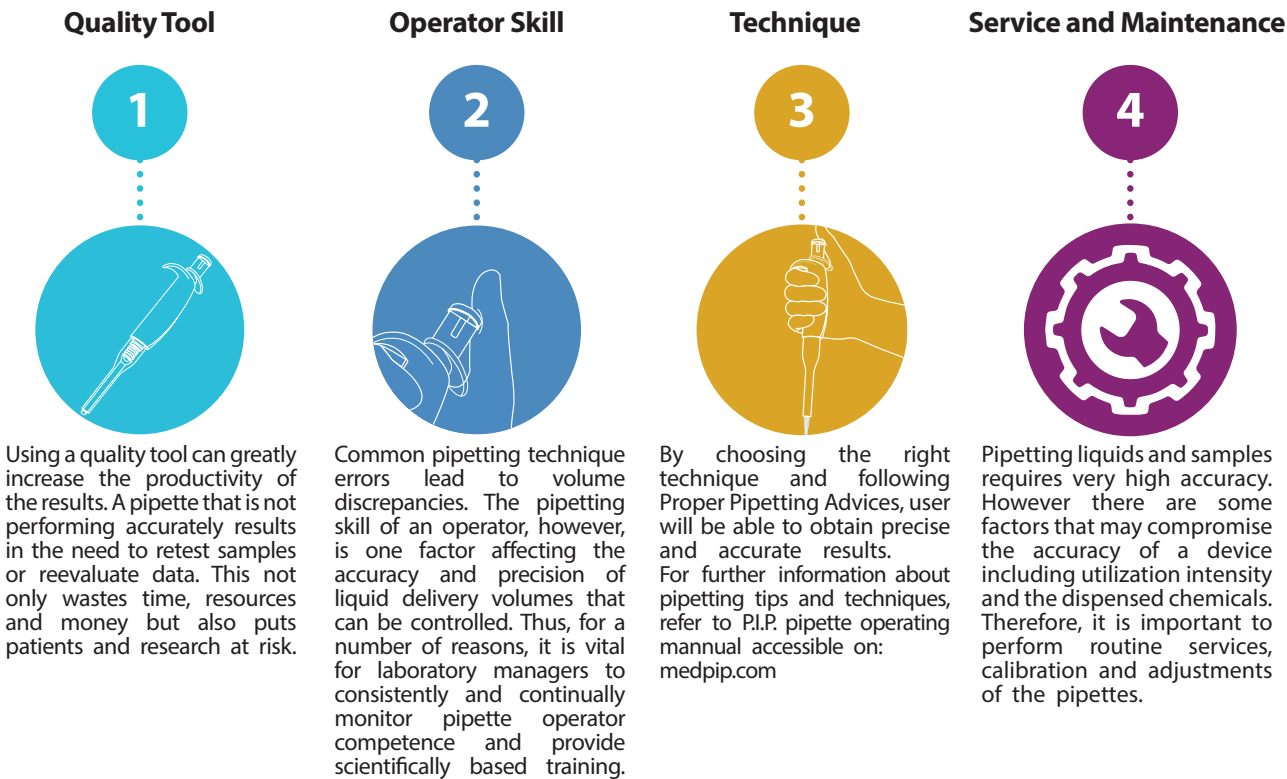


14 **Liquid Handling Equipment**

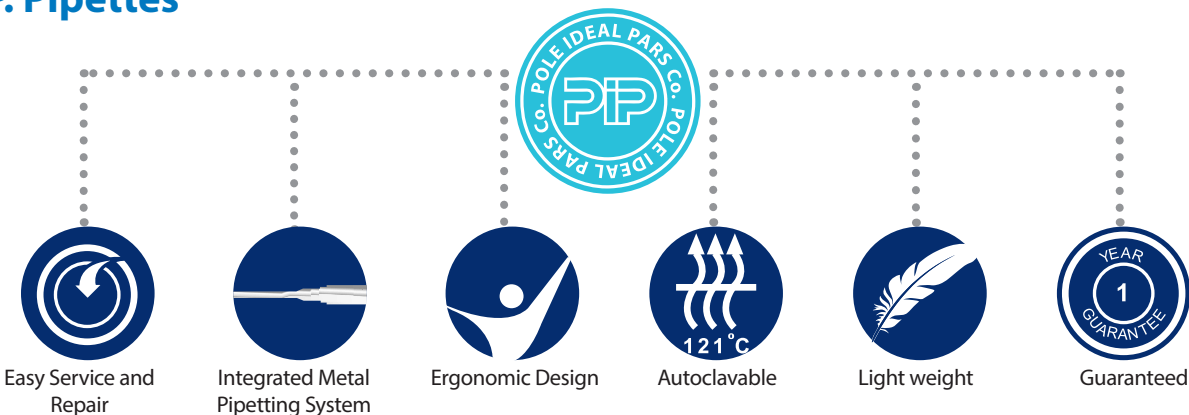
Liquid delivery is one of the most common processes in life science laboratories, from drug discovery and compound management laboratories to analytical chemistry and genomics/proteomics facilities. These laboratories use liquid delivery equipment for sample preparation, dilution and reagent addition. Since the 1700s, the means for delivering liquid samples have evolved significantly over time, consistently improving accuracy with each innovation. Today using micropipettes has many advantages over glass pipettes including high precision and reliability of the results and also the operators' safety.

**Increasing reproducibility of the results**

You can improve accuracy and precision when you combine the right pipetting tools and routine services with the most critical factor: technique and skill of the operator.



**P.I.P. Pipettes**



# A Good Beginning Makes a Good Ending



## P.I.P. single channel, fixed volume pipettes

Handling and transferring a certain volume of liquid accurately and precisely

P.I.P. Fixed volume pipettes are designed to deliver superior performance and accuracy year after year. The non-involvement of multiple metal and plastic components allow the pipette to perform well in its long-time life span. Utilizing numerous leak tight O-rings, offers ultimate precision and prevents leakage that may occur with a single-seal design. P.I.P. pipettes operate according to air cushion principles (air displacement pipettes) thus, they are highly accurate for most pipetting applications.



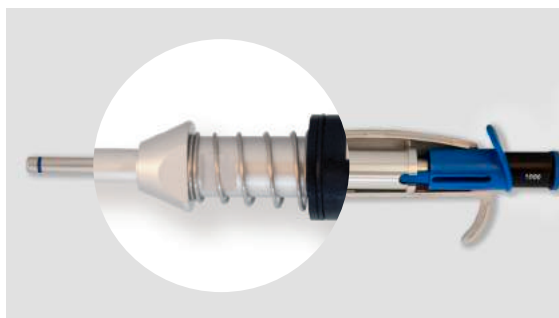
### Ultimate precision

The O-rings ensure that the tips are airtight, sealed and can be ejected with the smallest amount of force. P.I.P. pipette guarantees usage of any standard tips with perfect results.



### Exclusive interior design

Robust metal inner parts minimize the risk of damage and breakage if the pipette is accidentally dropped and ensure the durability of the pipette.





## Autoclavable

Pipettes can get contaminated and dirty from all the different liquids and solutions they are exposed to. The contamination points are the outside of the pipette as well as the inside of the lower part. This not only affects the results, but also can cause safety risks, especially when the technologist is working with hazardous chemicals or specimens with a high infection risk. So, being autoclavable is an essential parameter for a pipette.

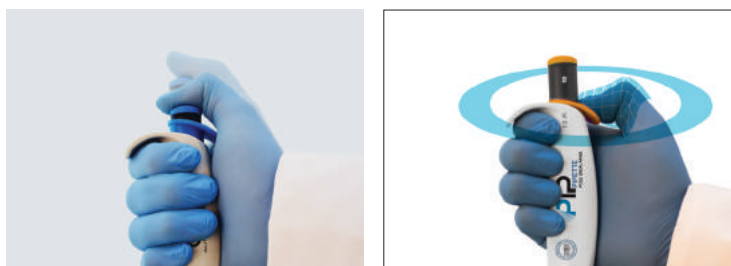


To autoclave P.I.P. pipettes, simply take off the push button and the main body can be fully autoclaved at 121 °C | 1bar | 20 minutes.

**The lower part of the pipette can be autoclaved in the assembled state.**

## Ergonomic Design

Lightweight and ergonomic body of P.I.P. pipette with balanced weight distribution offers greatest comfort for extended pipetting periods. Contoured body shape fits perfectly to all hand sizes and the ergonomic finger hook, designed for comfortable handling, reduces hand stress.



Ease of use through smooth – running buttons



## Ergonomic pipette matters

Pipetting is one of the most repetitive tasks in the laboratory and this can put the operators at the risk of Repetitive Strain Injury.

An ergonomic pipette will reduce the risk factors of RSI. So, it is highly recommended to use pipettes that are lightweight, easy to handle and have a soft and smooth plunger stroke.

# Easy Identification

P.I.P. pipettes are designed with a Color-coded cap. This can result in easy volume identification.



# Warranty, After-Sale Services



Autoclavable



Metal Pipetting System



High Quality and Durability



Ultimate Precision



Color-coded



Detachable Push Button, Compatible with Both Hands



Smooth-running Buttons



Ergonomic Design

## Technical Data

### Wide range of nominal volumes

Depending on your application, P.I.P. pipettes are available in a wide range of nominal volumes which offers customers a lot of choices. Operators are able to order P.I.P. pipettes in any desired volumes according to their application and needs.

- 2 models of 10 µl fixed vol. pipette: Compatible with 2 tip sizes  
● 2 models of 100 µl fixed vol. pipette: Compatible with 2 tip sizes

Product No.	Volume	Systematic Error	Random Error	Appropriate Tips	GS1 Code
120260	1 µl	0.02 µl	0.01 µl	0.5-10 µl	6260807503027
120261	2 µl	0.03 µl	0.02 µl	0.5-10 µl	6260807503010
120262	3 µl	0.04 µl	0.03 µl	0.5-10 µl	6260807503034
120263	4 µl	0.05 µl	0.04 µl	0.5-10 µl	6260807503041
120264	5 µl	0.06 µl	0.04 µl	0.5-10 µl	6260807503058
120265	6 µl	0.07 µl	0.04 µl	0.5-10 µl	6260807503065
120266	7 µl	0.08 µl	0.05 µl	0.5-10 µl	6260807503072
120267	8 µl	0.08 µl	0.05 µl	0.5-10 µl	6260807503003
120268	9 µl	0.09 µl	0.05 µl	0.5-10 µl	6260807503089
120298	10 µl	0.10 µl	0.05 µl	0.5-10 µl	6260807503096
120269	10 µl	0.12 µl	0.08 µl	10-100 µl	6260807503102
120270	15 µl	0.18 µl	0.09 µl	10-100 µl	6260807503119
120271	20 µl	0.20 µl	0.10 µl	10-100 µl	6260807503126
120272	25 µl	0.29 µl	0.11 µl	10-100 µl	6260807503133
120273	30 µl	0.35 µl	0.12 µl	10-100 µl	6260807503140
120274	40 µl	0.44 µl	0.14 µl	10-100 µl	6260807503157
120275	50 µl	0.50 µl	0.15 µl	10-100 µl	6260807503164
120276	60 µl	0.58 µl	0.16 µl	10-100 µl	6260807503171
120277	70 µl	0.64 µl	0.18 µl	10-100 µl	6260807503188
120278	75 µl	0.66 µl	0.18 µl	10-100 µl	6260807503195
120279	80 µl	0.68 µl	0.18 µl	10-100 µl	6260807503201
120280	90 µl	0.70 µl	0.19 µl	10-100 µl	6260807503218
120281	100 µl	0.70 µl	0.20 µl	10-100 µl	6260807503225
120299	100 µl	0.80 µl	0.30 µl	100-1000 µl	6260807503232
120282	110 µl	0.90 µl	0.30 µl	100-1000 µl	6260807503249
120283	120 µl	1.00 µl	0.30 µl	100-1000 µl	6260807503256
120284	150 µl	1.20 µl	0.30 µl	100-1000 µl	6260807503263
120285	200 µl	1.60 µl	0.40 µl	100-1000 µl	6260807503270
120286	220 µl	1.80 µl	0.40 µl	100-1000 µl	6260807502990
120287	250 µl	2.00 µl	0.40 µl	100-1000 µl	6260807503287
120288	300 µl	2.40 µl	0.50 µl	100-1000 µl	6260807503294
120289	400 µl	3.20 µl	0.70 µl	100-1000 µl	6260807503300
120290	450 µl	3.60 µl	0.80 µl	100-1000 µl	6260807503317
120291	500 µl	4.00 µl	0.80 µl	100-1000 µl	6260807503324
120292	600 µl	4.80 µl	1.10 µl	100-1000 µl	6260807503331
120293	700 µl	5.60 µl	1.40 µl	100-1000 µl	6260807503348
120294	750 µl	6.00 µl	1.50 µl	100-1000 µl	6260807503355
120295	800 µl	6.40 µl	1.70 µl	100-1000 µl	6260807503362
120296	900 µl	7.20 µl	2.00 µl	100-1000 µl	6260807503379
120297	1000 µl	8.00 µl	2.00 µl	100-1000 µl	6260807503386

P.I.P pipette desired fixed volume



## Graduated Pasteur Pipette

Handling and transferring a certain volume of liquid

P.I.P. Graduated Pasteur Pipettes are available in 3 different sizes to meet user's needs. These Pasteur Pipettes are ideal for measured transferring of liquids, preparation of fixatives and stains. They are made from LDPE (low-density polyethylene) which is inert and chemically unreactive to most of common acids and biological liquids. They have low-affinity surface which reduces cell, protein and sample loss. P.I.P. Graduated Pasteur Pipettes can be sterilized by Ethylene Oxide and

Gamma irradiation. These pipettes can also be used as freezing vials, and their tips are heat sealable, providing a non-toxic, inert sample container. They are ideal for all laboratory procedures that require fast and safe measured transferring of liquids, aliquoting, drop by drop work, slide preparation and adding reagents/chemicals.

GS1 Code	Capacity	Increments	Length	Bulb diameter	Qty./Pack
6260807501214	≈ 1.5 ml	0.25 ml	140 mm	φ 13 mm	400
6260807501511	≈ 2 ml	0.5 ml	154 mm	φ 11 mm	400
6260807501528	≈ 3 ml	0.5 ml	161 mm	φ 13 mm	400



## Extra Long Pasteur Pipette

Handling and transferring liquids, with access to unreachable points and narrow-neck containers

P.I.P. Extra Long Pasteur Pipettes are available in 3 different lengths to meet laboratories various needs. The main advantage of these pipettes is their high capacity and long stem that makes it possible to reach into large bottles with narrow necks and makes sampling from hard-to-access environments possible. These pipettes are made from LDPE (low-density polyethylene) which is inert and chemically unreactive to most of common acids and biological liquids. They have low-affinity surface which reduces cell, protein and

sample loss. These Pasteur Pipettes can be sterilized by Ethylene Oxide and Gamma irradiation. They can also be used as freezing vials, and their tips are heat sealable, providing a non-toxic, inert sample container. P.I.P. Extra Long Pasteur Pipettes are ideal for subculturing after centrifugation to remove cell layers; layer in columns / transfers in columns, loading gels; reaching into large bottles, 24-hour urine containers, blood culture bottle, cylinders and jars.

GS1 Code	Capacity	Length	Bulb diameter	Qty./Pack
6260807501856	≈ 7.5 ml	260 mm	φ 19 mm	400
6260807501849	≈ 7.5 ml	280 mm	φ 19 mm	400
6260807501771	≈ 7.5 ml	300 mm	φ 19 mm	400



## Bellows Pasteur Pipette

Handling and transferring liquids, with careful control and ease of use

P.I.P. Bellows Pasteur Pipettes are available in 2 capacities and 6 different sizes to meet laboratory needs. These pipettes with integrated bellows and stems provide easy control during liquid handling and have reliable performance. These pipettes are made from LDPE (low-density polyethylene) which is inert and chemically unreactive to most of common acids and biological liquids. They have low-affinity surface which reduces cell, protein and sample loss. P.I.P.

Bellows Pasteur Pipettes can be sterilized by Ethylene Oxide and Gamma irradiation. These pipettes can also be used as freezing vials, and their tips are heat sealable, providing a non-toxic, inert sample container. They are ideal for all laboratory procedures such as drawing and dispensing viscous liquids, sampling and decanting infectious or toxic liquids, transferring supernatant, adding reagents/chemicals and extracting samples.



GS1 Code	Capacity	Length	Bulb Diameter	Qty./Pack
6260807501795	≈ 4 ml	100 mm	φ 21 mm	400
6260807501788	≈ 4 ml	120 mm	φ 21 mm	400
6260807501818	≈ 4 ml	140 mm	φ 21 mm	400
6260807501801	≈ 5.5 ml	176 mm	φ 24 mm	400
6260807501832	≈ 5.5 ml	196 mm	φ 24 mm	400
6260807501825	≈ 5.5 ml	216 mm	φ 24 mm	400





## Rotary micropipette stand (6-clamp)

Holding and organizing micropipettes

P.I.P. Rotary Micropipette Stand (6-clamp) is designed for safely holding micropipettes upright. It rotates around the axis which facilitates retrieving and organizing micropipettes. This stand is robust, stable and space saving, making your work bench look

neat and tidy and its heavy base prevents toppling over. P.I.P. rotary micropipette stand is made from ABS which is lightweight and resistant to most of the common laboratory acids and chemicals.

- Useable for single channel and multichannel pipettes at the same time
- Appropriate for most of the pipettes (different sizes and brands)
- Holding and organizing 6 micropipettes
- Rotary axis for facilitating retrieving micropipettes
- Highly balanced (stable)

GS1 Code	Model	hight (mm)	diameter (mm)
6260807502860	6-clamp	340	φ 154

## Micropipette stand (5-place)

Holding and organizing micropipettes

This stand has 5 places designed for safe holding of micropipettes upright P.I.P. micropipette stand is made of plastic which is lightweight but robust and it is useable with most of the common micropipettes.

- Useable for single channel and multichannel pipettes at the same time
- Appropriate for most of the pipettes (different sizes and brands)
- Holding and organizing 5 micropipettes
- Facilitating retrieving micropipettes
- Highly balanced (stable)
- Space saving

GS1 Code	Length (mm)	Width (mm)	Height (mm)	Model
6260807502815	260	125	250	5-place



## Tips Rack

### Storing and organizing micropipette tips

P.I.P. Tips Rack is ideal for storing any micropipette tips from 0.1-1000µl. These racks are made from polypropylene, are autoclavable, freezable, and resistant to most of the common laboratory acids and chemicals. According to the wells configuration, using the 8-channel and 12-channel micropipettes is

recommended, but there is no limitation to use other micropipettes. These boxes have transparent hinged lids with latch, and their rectangular structure makes them safely stackable. They are available in 3 different models with 3 specific colors for an easy retrieval.



	GS1 Code	Model	Appropriate tube (µl)	Dimensions (mm)	Qty./pack
●	6260807500903	96-well (8 × 12)	0.1-10	120 × 80 × 80	4
●	6260807500910	96-well (8 × 12)	1-200	120 × 80 × 80	4
●	6260807500897	60-well (6 × 10)	200-1000	120 × 80 × 80	4

## Plastic Graduated Cylinder

### Measuring and transferring liquids

P.I.P. Graduated Cylinders are made from polypropylene, are autoclavable, freezable, and resistant to most of the common laboratory acids and chemicals. One of the advantages of these cylinders is their hexagonal base

which makes them balanced and stable. Each cylinder has a mouth designed to facilitate pouring fluids. They are available in 5 different capacities.

GS1 Code	Capacity	Increments	Height	Diameter
6260807500255	50 ml	1 ml	199 mm	φ 30 mm
6260807500262	100 ml	1 ml	246 mm	φ 33 mm
6260807500279	250 ml	2 ml	310 mm	φ 46 mm
6260807500286	500 ml	5 ml	363 mm	φ 58 mm
6260807500293	1000 ml	10 ml	440 mm	φ 70 mm







# Sharps Container & Safety





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46	Trolley for XL Sharps Container
47	Injection and Dressing Tray
48	Brackets for Sharps Containers

### Wastes, Challenging the Future of Mankind

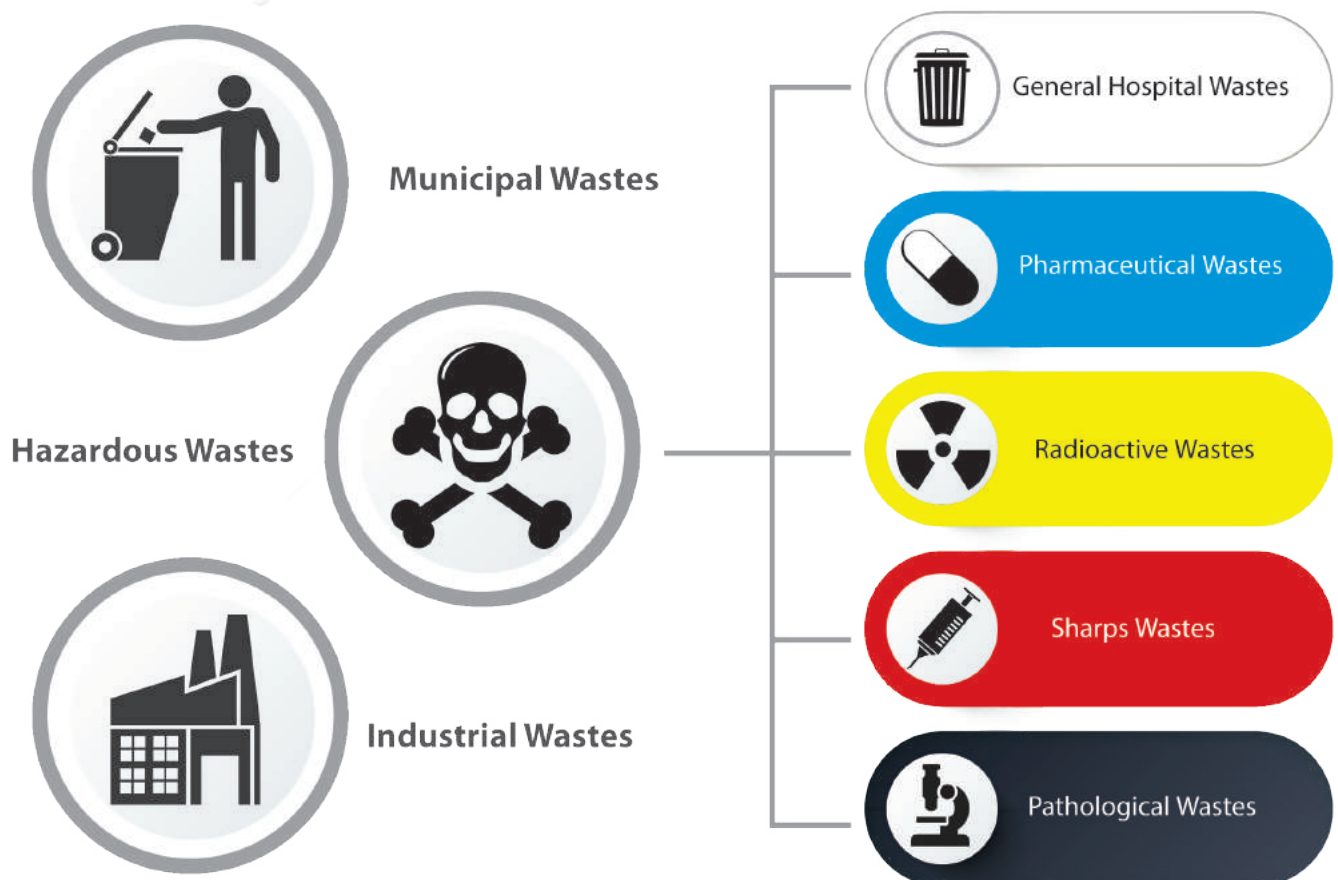
Most of the daily activities of human being result in the formation of residues and useless materials in different shapes. In the past, as the population of the planet was small, the amount of wastes was not significant. However, since the middle of 18th century and the industrial revolution, the amount of wastes has increased remarkably. To date, the collection and disposal of wastes has turned into a complicated industry which requires experienced experts and advanced technologies.

According to what specialists predicted the world population will reach 10 billion by 2050, and regarding the fact that %95 of this growth will pertain to developing countries, it is expected that the generated waste will be one of the most serious challenges to the future of mankind and the natural environment.

### What Is Waste?

The word “waste” includes all the materials, remained form the human and animal activities , usually in solid forms, useless, and unwanted. Based on the description and according to the world standards, wastes can be classified as shown in the figure below:

## Waste Categories



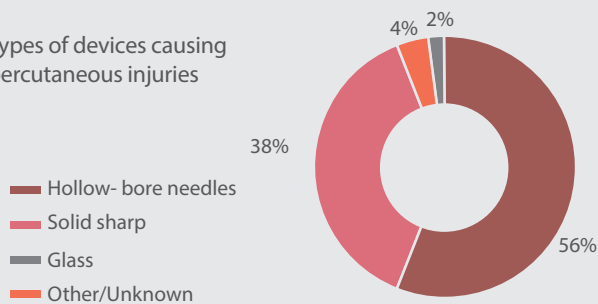
### Sharps Waste

Sharps are one of the most useful and yet, the most dangerous tools in healthcare industry, as in the majority of the medical procedures (from the first specimens collected from the patient for hospital reception and drug injection, to specialized surgical procedures) sharps are vastly applicable. Moreover, all the expert and non-expert staff in the medical centers are exposed to the sharps.

Even though the sharps wastes form a small part of the hospital wastes, a large percentage of the annual injuries in the medical center pertains to them. Needlestick injuries and other blood or bodily fluid incidents transmit so many bloodborne pathogens including human immunodeficiency virus (HIV), hepatitis B virus (HBV) and hepatitis C virus (HCV), and viral hemorrhagic fevers. The diseases can also be transmitted by mucus membrane.



Types of devices causing percutaneous injuries

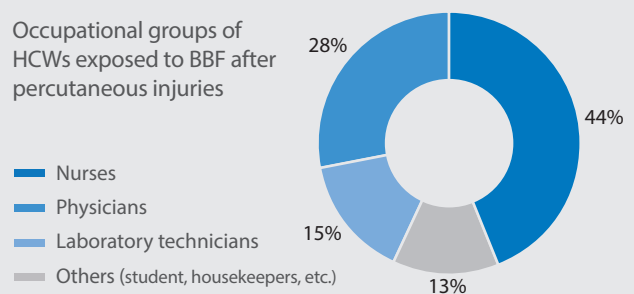


Nearly 80% of all percutaneous injuries are caused by a needlestick, with 56% attributed to hollow-bore needles. These needles are considered high-risk because they involve blood-filled needles. Nearly every 2nd hollow-bore needlestick also endangers the HCWs (Healthcare Workers) by the risk of blood exposure.

According to 88% of nurses, workplace safety and personal health affects the quality of their performance and their decision whether to keep their career or not.

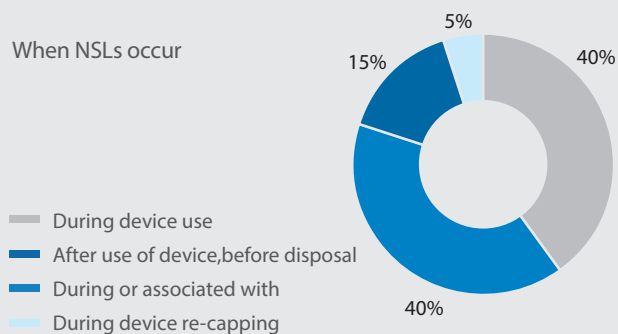
Regarding the group of HCWs most frequently affected by NSIs, nurses showed the highest percentage as up to 50% of all injuries sustained. Additionally, physicians and laboratory staff had an explicit risk of NSIs with contaminated hollow-bore needles. In addition to HCWs directly working with medical devices, janitors and laundry personnel are also susceptible to the hazardous consequences of NSIs.

Occupational groups of HCWs exposed to BBF after percutaneous injuries



According to the U.S. Department of Labor (DOL) nurses suffer more injuries than mine workers.

When NSIs occur

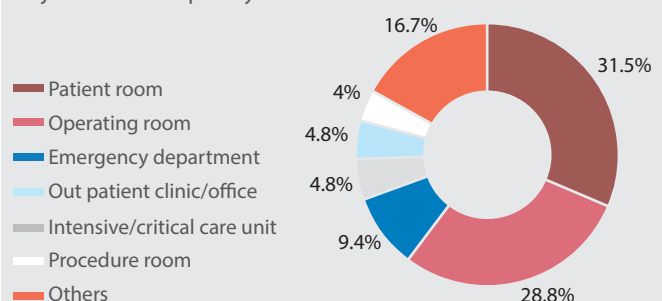


According to EPINet surveillance data, 60% of reported NSIs occurred after the clinical procedure was performed. These incidents happened before or during the disposal process.

The World Health Organization (WHO) estimates that more than two million healthcare workers experience the stressful event of a percutaneous injury with a contaminated sharp object each year.

Most exposures occur within the patient room, followed by operating room and the emergency department.

Areas within the healthcare facility where needlestick and sharp-object injuries most frequently



Sharps-related injuries in nonsurgical hospital settings decreased 31.6% by following the safety instructions and using sharps containers.



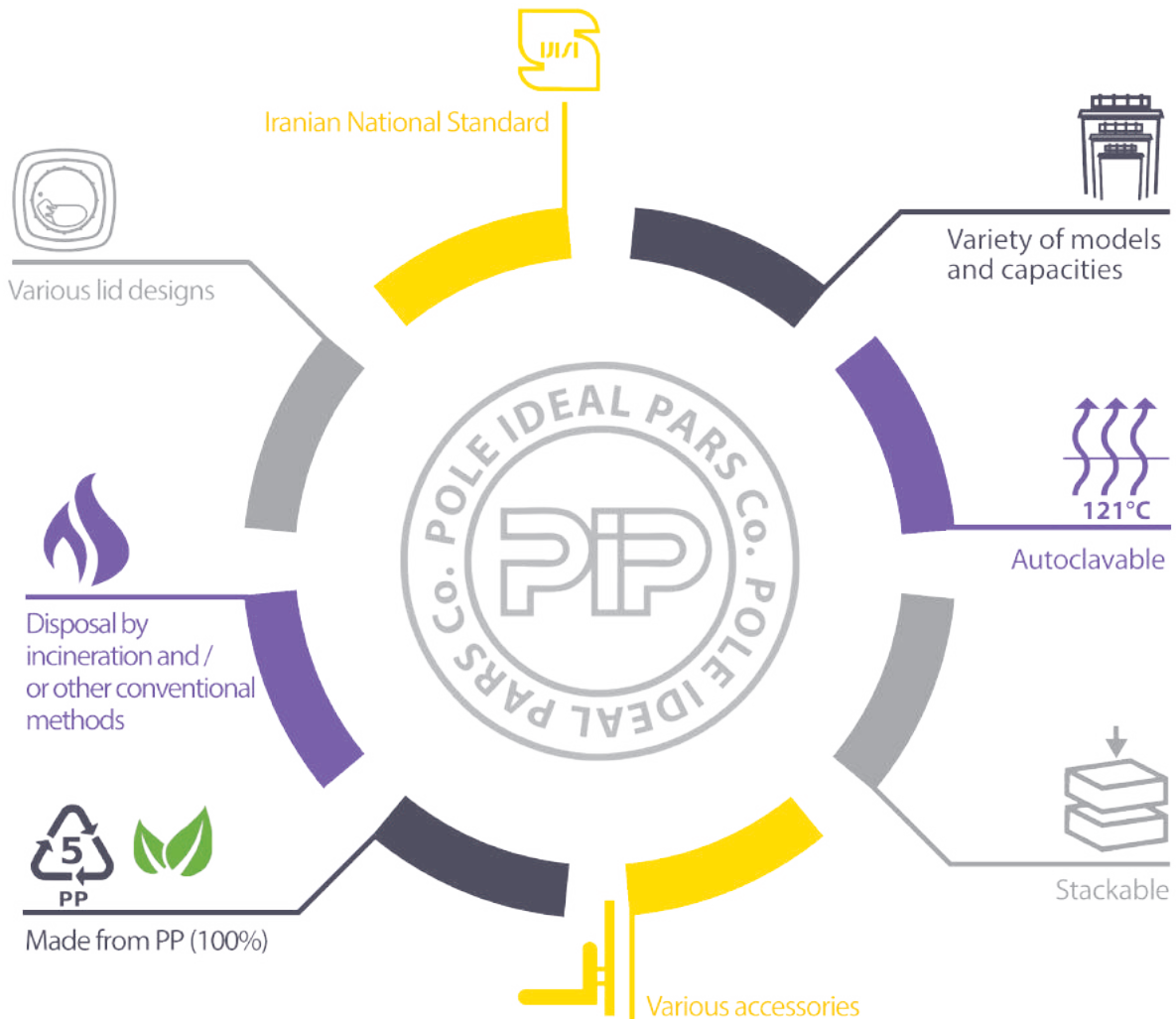
### Standard Sharps Containers

Sharps waste collection and transportation requires safe and standard containers. The design of these containers shall make them leak-proof, with no harm for the user to dispose of the waste or carry it. They also need to be autoclavable and impact resistant, with a sanitary and stylish shape.

**According to what is now accepted as a regulation in the developed and most of the developing countries, all the used syringes, needles, scalpels, and other sharps used in healthcare sector shall be disposed of in a puncture-resistant container (sharps container).**



## P.I.P. Sharps Containers



## Color-Coded Sharps Containers

Apart from the red lids (main color), P.I.P. produces Sharps Containers with lids in other colors for special applications upon request.



### Purple (Cytotoxic/Cytostatic)

1. Disposed of only by incineration in ultra-high temperatures
2. For sharp objects contaminated by Cytotoxic/Cytostatic drugs



### Orange (Fully Discharged)

1. Suitable for infectious wastes
2. Disposed of by incineration or other conventional methods
3. For fully discharged sharps (sharps for phlebotomy, bloodletting, etc.)



### Blue (Pharmaceutical)

1. Suitable for pharmaceutical waste with or without original package (like tablets or ampoules)
2. Disposed of by incineration



### Yellow (Medical)

1. Suitable for infectious wastes
2. Disposed of by incineration only
3. For partially discharged sharps



**Various Capacities**  
**For All Applications**  
**Diversity of Accessories**

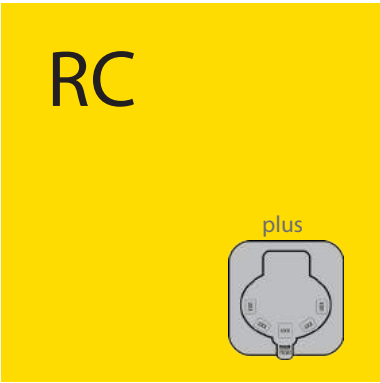


## P.I.P. Sharps Containers Table

Capacity* Model	0.08	0.3	0.5	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	7	8.5	9.5	11.5	12	15	22	25	26.3
RC plus					✓		✓		✓		✓		✓	✓								
Ra						✓		✓	✓	✓		✓			✓	✓	✓					
Rb																			✓	✓	✓	
C plus				✓	✓		✓				✓											
Cd			✓	✓	✓		✓				✓											
Cc														✓				✓				
P	✓	✓																				
XL																						✓

\* All capacities are in liter.





2L



- Lightweight and portable
- Useful in ambulances and mobile health units
- Quick and easy to assemble
- Two-step press lock for the lid (temporary and permanent)
- Handle for safe and easy transport
- Maximum filling level indicator
- With latch for easy opening of the lid after the temporary lock
- Puncture-resistant body
- Grooves embedded on the lid to easily remove the needles
- Ease of placing in the Injection and Dressing Trays (page 47)
- Purpose-designed plastic and metal brackets for wall, trolley, and vertical or horizontal poles (page 48)
- Lid holders for keeping the lid upright

GS1 Code	Code	Body Height	Total Height	Length × Width
6260807502341	RC plus 2	130 mm	201 mm	148 mm × 148 mm

3L



- Lightweight and portable
- Useful in ambulances and mobile health units
- Quick and easy to assemble
- Two-step press lock for the lid (temporary and permanent)
- Handle for safe and easy transport
- Maximum filling level indicator
- With latch for easy opening of the lid after the temporary lock
- Puncture-resistant body
- Grooves embedded on the lid to easily remove the needles
- Ease of placing in the Injection and Dressing Trays (page 47)
- Purpose-designed plastic and metal brackets for wall, trolley, and vertical or horizontal poles (page 48)
- Lid holders for keeping the lid upright

GS1 Code	Code	Body Height	Total Height	Length × Width
6260807502358	RC plus 3	163 mm	234 mm	148 mm × 148 mm

4L



- Quick and easy to assemble
- Two-step press lock for the lid (temporary and permanent)
- Handle for safe and easy transport
- Grooves embedded on the lid to easily remove the needles
- Maximum filling level indicator
- Lid holders for keeping the lid upright
- With latch for easy opening of the lid after the temporary lock
- Puncture-resistant body
- Purpose-designed plastic and metal brackets for wall, trolley, and vertical or horizontal poles (page 48)

GS1 Code	Code	Body Height	Total Height	Length × Width
6260807502365	RC plus 4	176 mm	251 mm	167 mm × 167 mm



## 5L

- Quick and easy to assemble
- Two - step press lock for the lid (temporary and permanent)
- Handle for safe and easy transport
- Grooves embedded on the lid to easily remove the needles
- Maximum filling level indicator
- Lid holders for keeping the lid upright
- With latch for easy opening of the lid after the temporary lock
- Puncture - resistant body
- Purpose - designed plastic and metal brackets for wall, trolley, and vertical or horizontal poles (page 48)

GS1 Code	Code	Body Height	Total Height	Length × Width
6260807502372	RC plus 5	223 mm	298 mm	167 mm × 167 mm



## 6L

- Quick and easy to assemble
- Two - step press lock for the lid (temporary and permanent)
- Handle for safe and easy transport
- Grooves embedded on the lid to easily remove the needles
- Lid holders for keeping the lid upright
- Maximum filling level indicator
- Purpose - designed metal brackets for wall, trolley, and vertical or horizontal poles (page 32)
- Puncture - resistant body
- Usable on the workbench with metal inclined table support (page 48)
- Suitable for disposing of catheters, cannulas and pipettes
- With latch for easy opening of the lid after the temporary lock
- Usable on the workbench with metal inclined table support (page 48)

GS1 Code	Code	Body Height	Total Height	Length × Width
6260807502389	RC plus 6	311 mm	386 mm	167 mm × 167 mm



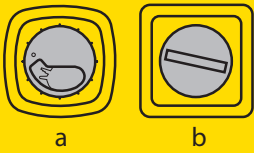
## 7L

- Quick and easy to assemble
- Two - step press lock for the lid (temporary and permanent)
- Handle for safe and easy transport
- Grooves embedded on the lid to easily remove the needles
- Lid holders for keeping the lid upright
- Maximum filling level indicator
- Purpose - designed metal brackets for wall, trolley, and vertical or horizontal poles (page 48)
- Puncture - resistant body
- Usable on the workbench with metal inclined table support (page 48)
- Suitable for disposing of catheters, cannulas and pipettes
- With latch for easy opening of the lid after the temporary lock
- Usable on the workbench with metal inclined table support (page 48)

GS1 Code	Code	Body Height	Total Height	Length × Width
6260807502396	RC plus 7	424 mm	499 mm	167 mm × 167 mm



R



2.5L

- Ideal for small spaces
- Lightweight and portable
- Useful in ambulances and mobile health units
- Quick and easy to assemble
- Two - step rotation lock for the lid (temporary and permanent)
- With ergonomic handle
- Grooves embedded on the lid to easily remove the needles
- Maximum filling level indicator
- Puncture - resistant body
- Purpose - designed plastic bracket for wall and vertical poles (page 49)

GS1 Code	Code	Body Height	Total Height	Length × Width
6260807501351	Ra 2.5	155 mm	192 mm	155 mm × 155 mm



3.5L

- Lightweight and portable
- Useful in ambulances and mobile health units
- Quick and easy to assemble
- Two-step rotation lock for the lid (temporary and permanent)
- With ergonomic handle
- Grooves embedded on the lid to easily remove the needles
- Maximum filling level indicator
- Puncture - resistant body
- Purpose - designed plastic bracket for wall and vertical poles (page 49)

GS1 Code	Code	Body Height	Total Height	Length × Width
6260807501146	Ra 3.5	188 mm	225 mm	155 mm × 155 mm

## 4L

- Lightweight and portable
- Quick and easy to assemble
- Two-step rotation lock for the lid (temporary and permanent)
- With ergonomic handle
- Maximum filling level indicator
- Grooves embedded on the lid to easily remove the needles
- Puncture-resistant body
- Purpose-designed plastic bracket for wall and vertical poles (page 49)

GS1 Code	Code	Body Height	Total Height	Length x Width
6260807501368	Ra 4	137 mm	187 mm	205 mm x 205 mm



## 4.5L

- Lightweight and portable
- Quick and easy to assemble
- Two-step rotation lock for the lid (temporary and permanent)
- With ergonomic handle
- Maximum filling level indicator
- Puncture-resistant body
- Grooves embedded on the lid to easily remove the needles
- Suitable for disposing of catheters, cannulas and pipettes
- Purpose-designed plastic bracket for wall and vertical poles (page 49)

GS1 Code	Code	Body Height	Total Height	Length x Width
6260807501375	Ra 4.5	323 mm	360 mm	155 mm x 155 mm



## 5.5L

- Lightweight and portable
- Quick and easy to assemble
- Two-step rotation lock for the lid (temporary and permanent)
- With ergonomic handle
- Maximum filling level indicator
- Grooves embedded on the lid to easily remove the needles
- Puncture-resistant body
- Purpose-designed plastic bracket for wall and vertical poles (page 49)

GS1 Code	Code	Body Height	Total Height	Length x Width
6260807501405	Ra 5.5	198 mm	248 mm	205 mm x 205 mm





### 8.5 L

- Quick and easy to assemble
- Two-step rotation lock for the lid (temporary and permanent)
- With ergonomic handle
- Grooves embedded on the lid to easily remove the needles
- Maximum filling level indicator
- Puncture-resistant body
- Suitable for disposing of catheters, cannulas and pipettes
- Purpose-designed plastic bracket for wall and vertical poles (page 49)

GS1 Code	Code	Body Height	Total Height	Length × Width
6260807501382	Ra 8.5	313 mm	363 mm	205 mm × 205 mm



### 9.5 L

- Quick and easy to assemble
- Two-step rotation lock for the lid (temporary and permanent)
- With ergonomic handle
- Grooves embedded on the lid to easily remove the needles
- Maximum filling level indicator
- Puncture-resistant body
- Easily balanced (for its wide rectangular base)
- Purpose-designed plastic bracket for wall and vertical poles (page 49)

GS1 Code	Code	Body Height	Total Height	Length × Width
6260807501399	Ra 9.5	240 mm	290 mm	239 mm × 239 mm



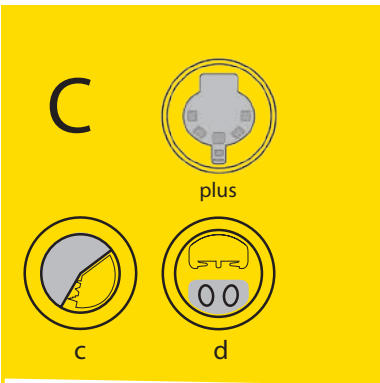
### 11.5 L

- Quick and easy to assemble
- Two-step rotation lock for the lid (temporary and permanent)
- With ergonomic handle
- Grooves embedded on the lid to easily remove the needles
- Maximum filling level indicator
- Puncture-resistant body
- Easily balanced (for its wide rectangular base)
- Suitable for disposing of catheters, cannulas and pipettes
- Purpose-designed plastic bracket for wall and vertical poles (page 49)

GS1 Code	Code	Body Height	Total Height	Length × Width
6260807501412	Ra 11.5	289 mm	339 mm	239 mm × 239 mm

GS1 Code	Code	Body Height	Total Height	Length x Width
6260807500118	Rb 25	335 mm	370 mm	250 mm x 250 mm





### 1.5 L (C plus)

- Lightweight and portable
- Two-step press lock for the lid 'temporary and permanent'
- With ergonomic handle
- Grooves embedded on the lid to easily remove the needles
- Maximum filling level indicator
- Lid holders for keeping the lid upright
- With latch for easy opening of the lid after the temporary lock
- Puncture-resistant body
- Purpose-designed metal bracket for wall (page 49)
- Ease of placing in the Injection and Dressing Trays (page 47)

GS1 Code	Code	Body Height	Total Height	Diameter
6260807502839	C plus 1.5	140 mm	152 mm	φ 105 mm



### 2 L (C plus)

- Lightweight and portable
- Two-step press lock for the lid 'temporary and permanent'
- With ergonomic handle
- Grooves embedded on the lid to easily remove the needles
- Maximum filling level indicator
- Lid holders for keeping the lid upright
- With latch for easy opening of the lid after the temporary lock
- Puncture-resistant body
- Purpose-designed metal bracket for wall (page 49)

GS1 Code	Code	Body Height	Total Height	Diameter
6260807502846	C plus 2	170 mm	180 mm	φ 111 mm



### 3 L (C plus)

- Lightweight and portable
- Two-step press lock for the lid (temporary and permanent)
- With ergonomic handle
- Grooves embedded on the lid to easily remove the needles
- Maximum filling level indicator
- Lid holders for keeping the lid upright
- With latch for easy opening of the lid after the temporary lock
- Puncture-resistant body
- Purpose-designed metal bracket for wall (page 49)

GS1 Code	Code	Body Height	Total Height	Diameter
6260807502785	C plus 3	165 mm	190 mm	φ 144 mm

## 5 L (C plus)

- Two-step press lock for the lid (temporary and permanent)
- With ergonomic handle
- Grooves embedded on the lid to easily remove the needles
- Maximum filling level indicator
- Lid holders for keeping the lid upright
- With latch for easy opening of the lid after the temporary lock
- Puncture-resistant body
- Suitable for disposing of catheters cannulas and pipettes
- Purpose - designed metal bracket for wall (page 49)

GS1 Code	Code	Body Height	Total Height	Length x Width
6260807502792	C plus 5	325 mm	345 mm	φ 124 mm



## 0.5 L

- Lightweight and portable
- Useful in ambulances and mobile health units
- Useful in mobile injection and vaccination units
- Two-step rotation - press lock for the lid (temporary and permanent)
- Maximum filling level indicator
- Grooves embedded on the lid to easily remove
- Puncture - resistant body
- Ease of placing in medical bags, Phlebotomy Tray, and P.I.P. Injection and Dressing Trays (page 47 & 84)

GS1 Code	Code	Body Height	Total Height	Diameter
6260807500026	Cd 0.5	116 mm	143 mm	φ 75 mm



## 1.5 L

- Lightweight and portable
- Useful in ambulances and mobile health units
- Useful in mobile injection and vaccination units
- Two-step rotation - press lock for the lid (temporary and permanent)
- Maximum filling level indicator
- Grooves embedded on the lid to easily remove the needles
- Puncture - resistant body
- Ease of placing in large Injection and Dressing Tray (page 47)
- Purpose - designed metal bracket for wall (page 49)

GS1 Code	Code	Body Height	Total Height	Diameter
6260807500033	Cd 1.5	140 mm	172 mm	φ 105 mm



## 2 L

- Lightweight and portable
- Useful in ambulances and mobile health units
- Two-step rotation - press lock for the lid (temporary and permanent)
- Maximum filling level indicator
- Grooves embedded on the lid to easily remove the needles
- Puncture - resistant body
- Purpose - designed metal bracket for wall (page 49)

GS1 Code	Code	Body Height	Total Height	Diameter
6260807500040	Cd 2	170 mm	200 mm	φ 111 mm





3L

- Lightweight and portable
- Two - step rotation - press lock for the lid (temporary and permanent)
- With ergonomic handle
- Maximum filling level indicator
- Grooves embedded on the lid to easily remove the needles
- Puncture - resistant body
- Purpose - designed metal bracket for wall (page 49)

GS1 Code	Code	Body Height	Total Height	Diameter
6260807500057	Cd 3	165 mm	192 mm	φ 144 mm



5L

- Two - step rotation - press lock for the lid (temporary and permanent)
- With ergonomic handle
- Grooves embedded on the lid to easily remove the needles
- Maximum filling level indicator
- Puncture - resistant body
- Suitable for disposing of catheters cannulas and pipettes
- Purpose - designed metal bracket for wall (page 49)

GS1 Code	Code	Body Height	Total Height	Diameter
6260807500064	Cd 5	325 mm	350 mm	φ 124 mm



7L

- Two - step rotation lock for the lid (temporary and permanent)
- With ergonomic handle
- Maximum filling level indicator
- Grooves embedded on the lid to easily remove the needles
- Puncture - resistant body
- Easily balanced (for its wide base)

GS1 Code	Code	Body Height	Total Height	Diameter
6260807500071	Cc 7	165 mm	195 mm	φ 218 mm



12L

- Two - step rotation lock for the lid (temporary and permanent)
- With ergonomic handle
- Maximum filling level indicator
- Grooves embedded on the lid to easily remove the needles
- Puncture - resistant body
- Easily balanced (for its wide base)

GS1 Code	Code	Body Height	Total Height	Diameter
6260807500088	Cc 12	280 mm	304 mm	φ 202 mm



### 0.08 L (pocket)

- Ideal for patients with diabetes for using in every place
- Lightweight and portable
- Usable in bags and pocket
- Easy and safe application
- Two-step sliding lock for the lid (temporary and permanent)
- Grooves embedded on the lid to easily remove different needles (particularly insulin syringes)
- Puncture-resistant body



GS1 Code	Code	Height × Width × length
6260807502273	P 0.08	96 mm × 25 mm × 56 mm

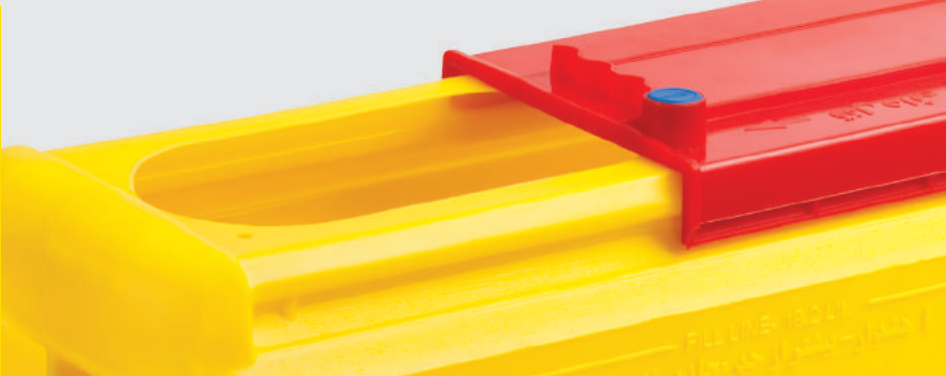
### 0.3 L (pocket)

- Ideal for small spaces
- Lightweight and portable
- Ease of placing in pocket medical bags and Phlebotomy Tray (page 72)
- Maximum filling level indicator
- Two-step rotation lock for the lid (temporary and permanent)
- Grooves embedded on the lid to easily remove the needles
- Puncture-resistant body



GS1 Code	Code	Body Height	Total Height	Length × Width
6260807500019	Pe 0.3	125 mm	150 mm	85 mm × 35 mm

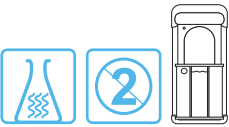




**XL (26.3 L)**

- Wide opening for disposing of long and voluminous sharps waste (catheter, endoscopy equipment, pipette, etc)
- Two - step sliding lock for the lid (temporary and permanent)
- Maximum filling level indicator
- Puncture - resistant body
- Usable upright and horizontally
- Leakproof and puncture resistant
- Usable in Trolley (page 46)

GS1 Code	Code	Aperture Dimensions	Dimensions
6260807501443	XL 26.3	173 mm × 100 mm	660 mm × 190 mm × 230 mm





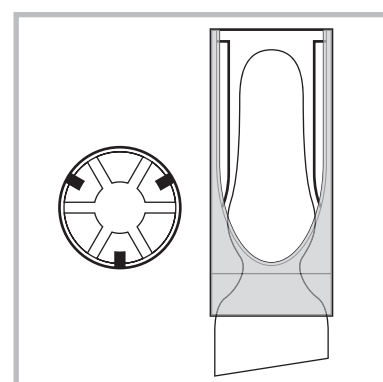


## Ampoule Opener

### Safely snapping different ampoules' tops off

Most of the medical and laboratory operations, especially injection as one of the most common ways of drug application, will leave sharps waste. So, in case of not observing safety instructions, this process may be risky if healthcare workers are exposed to sharps. P.I.P. Ampoule Opener is a disposable, simple

and efficient product that allows user to easily and safely snap different glass ampoules tops off to be safely disposed of in sharps containers. This product is made from polypropylene and is available in two Small (S) and Medium (M) sizes.



GS1 Code	Model	Appropriate Ampoule	Height	Qty./pack
6260807500804	S	1 - 4 ml	27 mm	100
6260807500811	M	5 - 10 ml	30 mm	100



### Trolley for Sharps Container XL model

Carrying and fixing sharps container XL model

This trolley is designed for placing the XL Sharps Container in upright position and providing easy and safe transportation. Using this sharps container in a vertical position facilitates disposing of long and voluminous wastes (catheter, pipette, endoscopy tools, etc.).

GS1 Code	Appropriate Sharps Container	Dimensions
6260807502402	XL	500 mm × 240 mm × 920 mm





## Injection and Dressing Tray

Organizing and carrying injection and dressing accessories

P.I.P. Injection and Dressing Trays are suitable for organizing the accessories in laboratories and medical centers. This product can be used on workbench or for transporting injection

and dressing accessories. These trays are available with compartments assigned for sharps containers.

GS1 Code	Model	Appropriate Sharps Containers	Dimensions
6260807502457	Small	RC plus 2, 3 Cd 0.5	350 mm × 247 mm × 43 mm
6260807502464	Large	RC plus 2, 3 Cd 0.5, 1.5 / Cplus1.5	390 mm × 290 mm × 40 mm







### Metal Inclined Table-Support for Sharps Containers Model RC plus

Placing sharps containers on the workbench

- Suction cups for fixing the table support on the surface

Code GS1	Appropriate Sharps Container
6260807502440	RC plus 6, 7



### Metal Bracket for Sharps Containers Model RC plus (small)

Installing sharps containers on the wall and vertical pole

Code GS1	Appropriate Sharps Container
6260807502426	RC plus 2, 3



### Metal Bracket for Sharps Containers Model RC plus (large)

Installing sharps containers on the wall and vertical pole

Code GS1	Appropriate Sharps Container
6260807502433	RC plus 4, 5, 6, 7



### Plastic Bracket for Sharps Containers Model RC plus

Installing sharps containers on the wall, trolley, vertical and horizontal poles

Code GS1	Appropriate Sharps Container
6260807502419	RC plus 2, 3, 4, 5



## Metal Bracket for Sharps Containers

### Mounting sharps containers on the wall or similar surfaces

Metal Brackets for Sharps Containers are designed in two different sizes for Sharps Container codes Cd 1.5, 2, 3, 5 and C plus 1.5, 2, 3, 5. These brackets

are made from robust and coated metal to be installed on the wall.

GS1 Code	Appropriate Sharps Container
6260807500675	Cd 3 and 5 – C plus 3 and 5
6260807500682	Cd 1.5 - Cd 2, C plus 1.5, 2



## Plastic Bracket for Sharps Containers model Ra

### Mounting Sharps Containers on the wall or vertical pole

P.I.P. Plastic Brackets for Sharps Container are appropriate for all Sharps Containers model Ra. It can be mounted on the wall or pole. It

is autoclavable and resistant to most of the common laboratory acids and chemicals.

GS1 Code	Appropriate Sharps Container	Dimensions (length x width)
6260807501450	all Ra models	90 mm x 30 mm





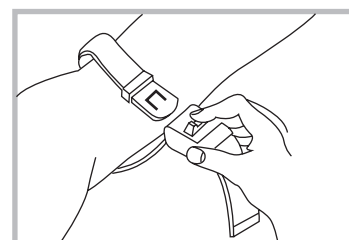


## Sampling Instruments





- 53 Fix Vein Tourniquet
- 53 Tourniquet
- 54 Dissecting Board
- 54 Disposable Base Mould
- 55 Tissue Cassette
- 55 Stainless Steel Tissue Capsule
- 56 CBC Tube
- 56 Simple Test Tube
- 56 Winged Cap for Test Tubes
- 57 Conical Tube
- 57 Round Bottom Tube
- 57 Specimen Container with Spoon
- 58 Filing Cabinets for Slide, Tissue Cassette, and Tissue Mould
- 58 Metal Trolley for P.I.P. Filing Cabinets
- 59 24-Hour Urine Collection Container
- 59 Stool Container with Spoon
- 60 Graduated Pasteur Pipette
- 60 Extra Long Pasteur Pipette
- 61 Bellows Pasteur Pipette
- 61 Plastic Spatula
- 62 Inoculating Loops, Needles and Spreaders
- 62 Metal Inoculating Loop
- 62 Plastic Inoculating Loop
- 63 Inoculating Loop Holder
- 63 Spherical Spreader with Needle
- 63 T-shaped Spreader



Unlocking the buckle single-handedly



## Fix Vein Tourniquet

### Fast blood sampling and preventing vein from rolling

One of the problems bothering healthcare workers in process of infusion and venipuncture is rolling veins, especially in the elderly and children. The special design of P.I.P. Fix Vein Tourniquet prevents vein slippage by fixing and immobilizing the vein for certain puncture and cannulation. Because of the curvature in the buckle's structure, this tourniquet does not block the vein. Therefore, the coagulation

system will not be activated, so it will not have a considerable effect on coagulation tests and the sampling area, which is tied, will have the minimum acidosis. The buckle of Fix Vein Tourniquet is made from ABS and POM. This tourniquet can be opened single-handedly with easy-release mechanism. The strap is latex free, smooth and washable, which does not wrinkle the skin or pinch.

GS1 Code	Strip length	Strip width
6260807501481	450 mm	25 mm



Adults



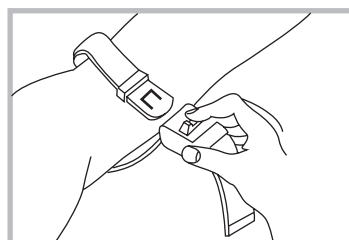
Children

## Tourniquet

### Facilitating infusion and venipuncture

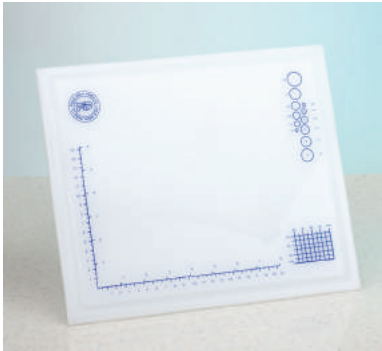
The structure of P.I.P. Tourniquet makes a meaningful difference: single-handed operation due to easy release mechanism, no uncomfortable pinching and latex free. This tourniquet is

washable and its buckle is made from POM and ABS which is high quality and durable. They are available in different colors in two sizes for children and adults.



Unlocking the buckle single-handedly

GS1 Code	Model	Strip Length	Strip Width	Qty./ Pack
6260807500576	Adults	500 mm	25 mm	1
6260807500828	Children	330 mm	13 mm	1
6260807503461	Children	330 mm	13 mm	2



## Dissecting Board

Dissecting different tissues with quick and accurate measurement on the board

P.I.P. Dissecting Board is ideal for cutting the tissue samples easily and precisely which is often used in pathology sections. Dissecting board is resistant to most of the laboratory acids and chemicals. This product has many advantages over glass, wood, or steel ones. Fluids streaming out of the board, blunting blades, swelling and curvature of the board, are some of the common problems of conventional boards. All of

these defects are eliminated in P.I.P. boards. For measuring tissue samples, there are scaled axes, a netted rectangle and circles with different diameters printed on this board so that using a ruler or transferring the sample will not be necessary. Besides, a wide surface and also the drainer grooves embedded around the board will prevent overflow of fluids. It can also be washed and disinfected.

\* Never use Xylene for cleaning the Dissecting Board, because it will wipe out the prints

### Measurement Lines:

- Horizontal axis 20cm (8 inches)
- Vertical axis 15cm (6 inches)
- Two sets of 6 circles (from 4 to 14mm & 1/8 to 5/8 inches)
- Netted rectangle with 5 mm graduations (30 mm x 40 mm)

GS1 Code	Dimensions
6260807500781	320 mm x 280 mm x 10 mm

## Disposable Base Mould

Paraffin embedding and preparing tissue block

P.I.P. Disposable Base Mould is designed with 6 different models with excellent thermal exchange and the paraffin does not stick to it, so that the expensive and time-consuming process of cleaning metal base moulds will be no longer required. The curved edges and the completely flat and smooth inner surface

allow easy block removal and paraffin ribbon continuity. Their built up sidewalls reduce risk of paraffin spillage during embedding and the standard dimensions are compatible with most of the tissue cassettes. They are cost-effective to be discarded after use, yet strong enough to be reused.

GS1 Code	Model	Inner well dimensions	Outer dimensions
6260807502013	PIP-07	7 mm x 7 mm x 6 mm	50 mm x 37 mm x 11 mm
6260807501993	PIP-15	15 mm x 15 mm x 6 mm	50 mm x 37 mm x 11 mm
6260807501979	PIP-24	24 mm x 24 mm x 6 mm	50 mm x 37 mm x 11 mm
6260807502006	PIP-30	30 mm x 24 mm x 6 mm	50 mm x 37 mm x 11 mm
6260807502020	PIP-37	37 mm x 24 mm x 6 mm	50 mm x 37 mm x 11 mm
6260807502242	PIP-30M	30 mm x 20 mm x 12 mm	55 mm x 39 mm x 18 mm





## Tissue Cassette

Processing, embedding, sectioning and storing tissue samples

P.I.P. Tissue Cassettes are disposable and resistant to the common solvents in histology and they will keep tissue sample totally immersed in the fluids. The labelling area has a 45° angle which can be used with cassette labelers. This product is available in different colors for sorting and classification of samples.

- Resistant to the common solvents in histology
- Total submergence in liquids
- Usable with cassette labelers
- Made from high-density POM

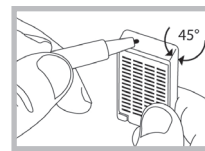


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## Tissue Cassette with Lid

- Hinged lid to be shut and reopened multiple times
- With 124 slots on the base and lid

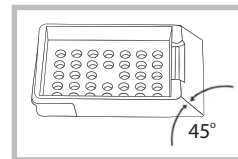
GS1 Code	Dimensions	Qty./pack
6260807501139	41 mm × 29 mm × 6 mm	500



## Tissue Cassette without Lid

- In two models with 62 square holes or 34 round holes

GS1 Code	Dimensions	Qty./pack
6260807501573	41 mm × 29 mm × 6 mm	100



## Stainless Steel Tissue Capsule

Keeping and processing tissues

P.I.P. Tissue Capsule is autoclavable and made from stainless steel. There are holes embedded on its lid and base to facilitate the fluid flow. It has a snap cap with 3

clamps. Tissue Capsule is resistant to most of the common laboratory acids and chemicals and has secure snap cap.

GS1 Code	Dimensions (height × diameter)	Qty./pack
6260807500323	10 mm × φ 38 mm	10





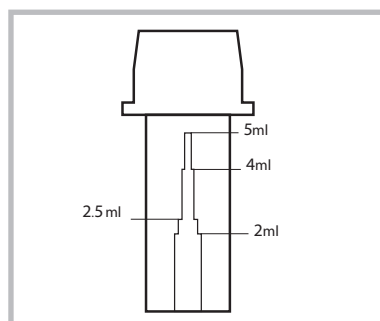


## CBC Tubes

Storing laboratory samples with volume measurement

P.I.P. CBC Tubes are disposable and anticoagulant free. These tubes are in two models, made from polystyrene and polypropylene with two types of caps (snap cap made from polyethylene and push cap

made from polypropylene). As displayed schematically, P.I.P. CBC tube is graduated. In addition, bottom of these tubes are flat that makes them stable upright.



GS1 Code	Cap Type	Material	Dimensions	Capacity	Qty./pack
6260807502112	push	PP	Opening's Outer diameter: $\phi$ 16.2 mm Height: 54 mm	5 ml	400
6260807502129	snap	PS	Opening's Outer diameter: $\phi$ 16.2 mm Height: 54 mm	5 ml	200
6260807500460	push	PP	Opening's Outer diameter: $\phi$ 16.2 mm Height: 54 mm	5 ml	200

\* For more information on the chemical resistance of polystyrene (PS), refer to our website at [www.medpip.com](http://www.medpip.com).

## Simple Test Tube

Storage and transport of laboratory samples

These disposable tubes are made from transparent polypropylene and can be used for storing or transporting different samples. They are resistant to most of the common

laboratory acids and chemicals. Simple test tubes are available in two sizes, with cap (push cap made from polypropylene and snap cap made from polyethylene) or without cap.



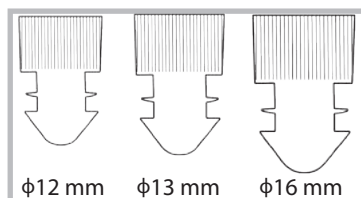
GS1 Code	Capacity	Material - Cap type	Dimensions (diameter x height)	Qty./pack
6260807500422	7 ml	-	$\phi$ 12 mm x 100 mm	200
6260807500439	9 ml	-	$\phi$ 16 mm x 100 mm	200
6260807500446	7 ml	PP - Push	$\phi$ 12 mm x 100 mm	200
6260807500453	9 ml	PP - Push	$\phi$ 16 mm x 100 mm	200
6260807503478	9 ml	PE - Snap	$\phi$ 16 mm x 100 mm	200

## Winged cap for test tubes

With two flexible flanges to ensure a leak-proof seal

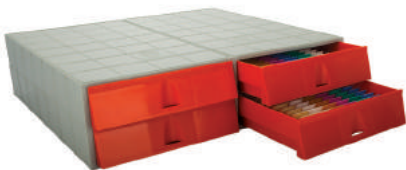
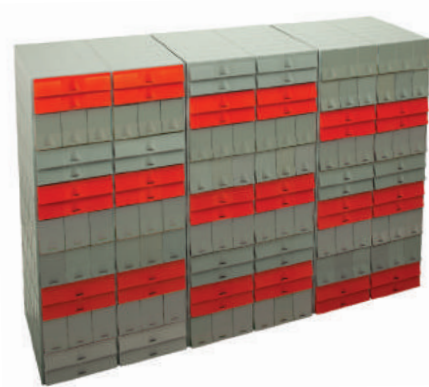
P.I.P. winged cap for test tubes are made of polyethylene (PE) and they are available in various colors for easy identification and color coding of samples. Each cap features two

flexible flanges to ensure a leak proof seal. These winged cap are available in 3 sizes (12, 13, 16 mm in diameter) and are suitable for test tubes, round cuvettes and centrifuge tubes.



GS1 Code	Material	size	Cap model	Suitable for	Qty./pack
6260807502952	PE	Small	Push	12 mm test tubes, centrifuge tubes and round cuvette with 12 mm diameter	200
6260807503409	PE	Medium	Push	13 mm test tubes, centrifuge tubes and round cuvette with 13 mm diameter	200
6260807502976	PE	large	Push	16 mm test tubes, centrifuge tubes and round cuvette with 16 mm diameter	200





## Filing Cabinets for Slide, Tissue Cassette, and Tissue Mould

### Managing and archiving the samples

Because of the probable need to reuse a slide or preparation of new slides from a specific tissue block, in hospitals pathology departments and different laboratory sections, long-term preserving and archiving is of great importance. With regard to the necessity and sensitivity of retrieving the samples, P.I.P. Filing Cabinets have the following properties:

- Humidity resistant in comparison to metal models
- No decay or mould in comparison to wooden models
- Lightweight in comparison to metal models
- High-capacity drawers with numbering for easy retrieval
- Smoothly-moving drawers
- No sharp edges
- Stackable
- Made from ABS

## Filing Cabinet for Slide

- Managing and archiving 76 mm × 26 mm slides
- Causing no damage to the slides (due to the orderly grooves)

GS1 Code	Capacity	Outer dimensions (mm)
6260807502303	1200 slides	510 × 458 × 130

## Filing Cabinet for Tissue Mould

- Managing and archiving tissue moulds

GS1 Code	Capacity	Outer dimensions (mm)
6260807502280	500 tissue moulds*	510 × 458 × 130

\* The mentioned capacity is ideal for tissue moulds with a thickness of 1.5cm.

## Filing Cabinet for Tissue Cassette

- Managing and archiving standard tissue cassettes

GS1 Code	Capacity	Outer dimensions (mm)
6260807502297	1512 tissue cassettes	510 × 458 × 130

## Metal Trolley for P.I.P. Filing Cabinets

### Organization and easy transportation of P.I.P. Filing Cabinets

- Color-coated
- Wheeled, easy transport
- Front wheels with stoppers

GS1 Code	Capacity	Dimensions (mm)
6260807502686	3 or 5 Filing Cabinets	550 × 450 × 1150

## 24-Hour Urine Collection Container

Storing and measuring urine specimen during 24 hours

P.I.P. Urine Containers are made from polyethylene and are graduated to provide fast and easy measurement. These containers have two apertures: one is wide in order to facilitate sample collection by patient; the other is small for laboratory personnel to pour the specimen

into other containers without trickling. They are supplied in 2 models: horizontal and upright, with different capacities in two colors. The upright model occupies small space and the horizontal model is suitable for placing in refrigerators.



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- Graduated
- Handle for easy transportation
- Separate sampling and transferring apertures
- Amber tinted model for photosensitive analytes



GS1 Code	Capacity	Model	Graduation (mm)	Opening Diameter	Color	Dimensions (mm)	Outer Dimensions
6260807500330	2.5 ml	Horizontal	250	φ 75	Colorless	240 × 115 × 160	30
6260807501061	3.5 ml	Horizontal	250	φ 75	Colorless	240 × 115 × 200	36
6260807501559	2.5 ml	Horizontal	250	φ 75	Amber tinted	240 × 115 × 160	30
6260807501566	3.5 ml	Horizontal	250	φ 75	Amber tinted	240 × 115 × 200	36
6260807501498	2.5 ml	Upright	100	φ 75	Colorless	130 × 130 × 230	48
6260807501504	3.5 ml	Upright	100	φ 75	Colorless	130 × 130 × 290	40
6260807501535	2.5 ml	Upright	100	φ 75	Amber tinted	130 × 130 × 230	48
6260807501542	3.5 ml	Upright	100	φ 75	Amber tinted	130 × 130 × 290	40

## Stool Container with Spoon

Storing and transferring stool samples

The disposable P.I.P. Stool Container with an appropriate design is easy to use by patients and is available in two capacities of 15 and 30 ml with screw or push cap. The spoon is not embedded at the center of the lid so that it can be used

more easily without the possibility of hand touch. Moreover, the container's shape makes it proper for labeling. P.I.P. stool containers are made from polypropylene and polyethylene.



GS1 Code	Model	Cap Type	Spoon Height	Dimensions (diameter × depth)	Capacity	Qty./pack
6260807500354	Small	Push	22 mm	25 mm × φ 32 mm	15 ml	3500
6260807500347	Large	Screw	32 mm	32 mm × φ 40 mm	30 ml	1600





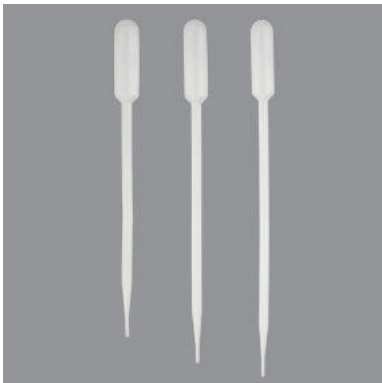
## Graduated Pasteur Pipette

Handling and transferring a certain volume of liquid

P.I.P. Graduated Pasteur Pipettes are available in 3 different sizes to meet user's needs. These Pasteur Pipettes are ideal for measured transferring of liquids, preparation of fixatives and stains. They are made from LDPE (low-density polyethylene) which is inert and chemically unreactive to most of common acids and biological liquids. They have low-affinity surface which reduces cell, protein and sample loss. P.I.P. Graduated Pasteur Pipettes can be sterilized by Ethylene Oxide and

Gamma irradiation. These pipettes can also be used as freezing vials, and their tips are heat sealable, providing a non-toxic, inert sample container. They are ideal for all laboratory procedures that require fast and safe measured transferring of liquids, aliquoting, drop by drop work, slide preparation and adding reagents/chemicals.

GS1 Code	Capacity	Increments	Length	Bulb diameter	Qty./ Pack
6260807501214	≈ 1.5 ml	0.25 ml	140 mm	φ 13 mm	400
6260807501511	≈ 2 ml	0.5 ml	154 mm	φ 11 mm	400
6260807501528	≈ 3 ml	0.5 ml	161 mm	φ 13 mm	400



## Extra Long Pasteur Pipette

Handling and transferring liquids, with access to unreachable points and narrow-neck containers

P.I.P. Extra Long Pasteur Pipettes are available in 3 different lengths to meet laboratories various needs. The main advantage of these pipettes is their high capacity and long stem that makes it possible to reach into large bottles with narrow necks and makes sampling from hard-to-access environments possible. These pipettes are made from LDPE (low-density polyethylene) which is inert and chemically unreactive to most of common acids and biological liquids. They have low-affinity surface which reduces cell, protein and

sample loss. These Pasteur Pipettes can be sterilized by Ethylene Oxide and Gamma irradiation. They can also be used as freezing vials, and their tips are heat sealable, providing a non-toxic, inert sample container. P.I.P. Extra Long Pasteur Pipettes are ideal for subculturing after centrifugation to remove cell layers; layer in columns / transfers in columns, loading gels; reaching into large bottles, 24-hour urine containers, blood culture bottle, cylinders and jars.

GS1 Code	Capacity	Length	Bulb diameter	Qty./ Pack
6260807501856	≈ 7.5 ml	260 mm	φ 19 mm	400
6260807501849	≈ 7.5 ml	280 mm	φ 19 mm	400
6260807501771	≈ 7.5 ml	300 mm	φ 19 mm	400

## Bellows Pasteur Pipette

Handling and transferring liquids, with careful control and ease of use

P.I.P. Bellows Pasteur Pipettes are available in 2 capacities and 6 different sizes to meet laboratory needs. These pipettes with integrated bellows and stems provide easy control during liquid handling and have reliable performance. These pipettes are made from LDPE (low-density polyethylene) which is inert and chemically unreactive to most of common acids and biological liquids. They have low-affinity surface which reduces cell, protein and sample loss. P.I.P.

Bellows Pasteur Pipettes can be sterilized by Ethylene Oxide and Gamma irradiation. These pipettes can also be used as freezing vials, and their tips are heat sealable, providing a non-toxic, inert sample container. They are ideal for all laboratory procedures such as drawing and dispensing viscous liquids, sampling and decanting infectious or toxic liquids, transferring supernatant, adding reagents/chemicals and extracting samples.



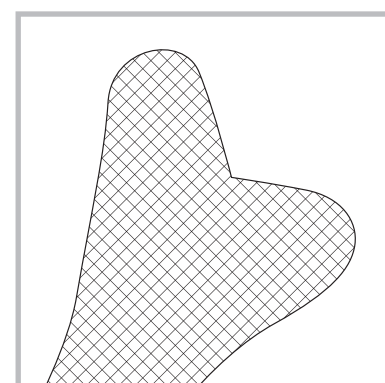
GS1 Code	Capacity	Length	Bulb Diameter	Qty./ Pack
6260807501795	≈ 4 ml	100 mm	φ 21 mm	400
6260807501788	≈ 4 ml	120 mm	φ 21 mm	400
6260807501818	≈ 4 ml	140 mm	φ 21 mm	400
6260807501801	≈ 5.5 ml	176 mm	φ 24 mm	400
6260807501832	≈ 5.5 ml	196 mm	φ 24 mm	400
6260807501825	≈ 5.5 ml	216 mm	φ 24 mm	400

## Plastic Spatula

Collecting cervical samples and transferring onto slide

P.I.P. disposable spatulas are made from HIPS (High-Impact Polystyrene). Plastic Spatulas have many advantages over wooden ones; for instance, for sampling of the endocervix and ectocervix, due to the infiltration of epithelial cells into fibers of the wooden spatula and failing to transfer them onto the slide, the

detailed microscopic study is practically impossible. But there will not be such defects in plastic spatulas and their ribbed surface facilitates sampling and transferring sample onto the slide. Its flexibility and rounded smooth edges are some other advantages.



GS1 Code	Length	Qty./pack
6260807500309	180 mm	250



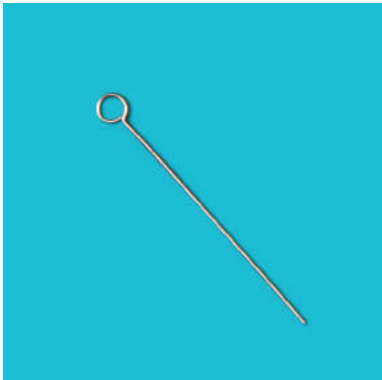


## Inoculating Loops, Needles and Spreaders

Needles, spreaders and inoculating loops are important tools used vastly in microbiological and cell culture for a multitude of different tasks. Some of these tasks involve the planting and streaking of hundreds of urine specimens per day or the careful selection and extraction of proper material for culture within sticky samples like sputum, pus, tissue or feces.

Choosing the right inoculating loop depends on the required task and the user's need for ease of use and more accuracy. Some microbiologists prefer to use metal inoculating loops and sterilize them with loops sterilizers or Bunsen to use them again, while others prefer or need to use disposable inoculating loops. Plating and streaking specimens in petri dish usually require the use of plastic inoculating loops. These inoculating loops are made from different types of materials that impacts their rigidity or flexibility of the products to meet user's different requirements.

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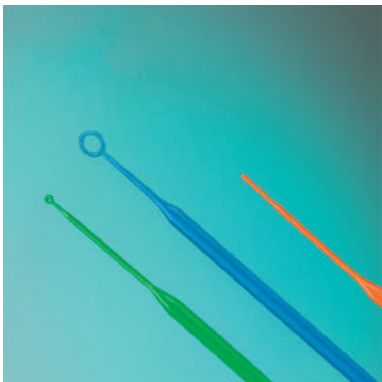


### Metal Inoculating Loop

Sampling a certain volume

Metal Inoculating Loop is made from a special alloy, with the capacity of 5µl. Bunsen burner or other conventional methods can be used to sterilize this inoculating loop. One of the advantages of this alloy is that it cools down quickly after sterilization. Apart from flexibility, this loop is rigid enough for sampling in all culture environments.

GS1 Code	Loop Size	Length	Qty./pack
6260807500583	5 µl	60 mm	50



### Plastic Inoculating Loop

Sampling a certain volume

Plastic Inoculating Loops are sterile, available in 3 different models, made from polypropylene (flexible) or polystyrene (rigid). These inoculating loops are hard enough for sampling in all culture environments. This product is disposable and resistant to most of the common laboratory acids and chemicals, available in different volumes and colors.

GS1 Code	Model	Loop Size	Length	Qty./pack
6260807501306	Loop + needle	1 µl	200 mm	5
6260807501313	Loop + needle	10 µl	200 mm	5
6260807501320	Two sided loops	1 µl and 10 µl	200 mm	5

## Inoculating Loop Holder

Holding metal inoculating loops for sampling

To extend the application of Inoculating Loop Holder and its lifetime, it is sterile, made from brass alloy which is resistant to heat. The handle of this holder is insulated by PVC

coating which increases user's convenience and prevents it from heating up. Each pack contains 6 holders plus 12 meters of special wire.



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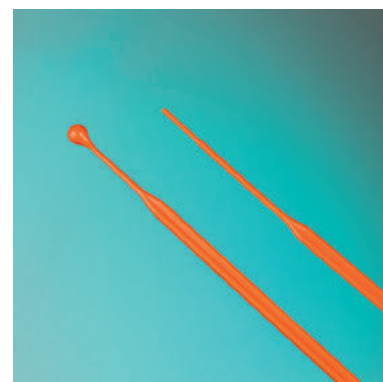
GS1 Code	Weight	Dimensions	Qty./pack
6260807500316	20 g	178 mm × φ 5 mm	6

## Spherical Spreader with Needle

Sectional spreading of sample

This product is a spherical spreader at one end and at the other, a needle. It is sterile, available in different colors made from polypropylene

(flexible) and polystyrene (rigid). It is sterile also disposable and resistant to most of the common laboratory acids and chemicals.



GS1 Code	Model	Length	Qty./pack
6260807501290	Spreader + needle	200 mm	5

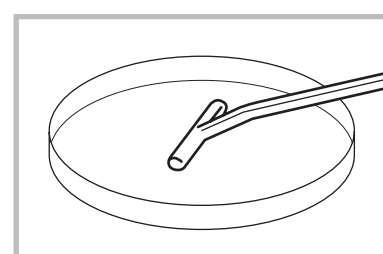


## T-shaped Spreader

Flattening samples

T-shaped Spreader is sterile, available in polypropylene (flexible) and polystyrene (rigid) in different colors. Its base length (spreading part) is 36mm and it can be used across all Petri dishes. The special design of P.I.P. T-shaped

Spreaders prevents any cutting or gouging of agar during inoculation of culture plates. It is also disposable and resistant to most of the common laboratory acids and chemicals.



GS1 Code	Length	Volume	Qty./pack
6260807501283	180 mm	36 mm	5



Tube Racks, Tips Racks, Microtube Racks





- 67 Chain Rack
- 67 Universal II Rack
- 68 Microtube Combo Rack
- 68 Tak Rack Microtube
- 68 Tak Rack Cryotube
- 69 Microtube Storage Rack
- 69 Cryo Box
- 69 Tips Rack
- 70 Eppendorf Rack
- 70 Conical Tube Rack
- 70 Pop-Up Rack
- 71 Test Tube Rack
- 71 Mega-Mix Rack
- 71 T3 Rack
- 72 MultiRack
- 72 Conical Tube Tray
- 73 Puzzle Rack
- 73 Rotatory Rack
- 73 Pipette and Thermometer Stand





## Microtube Combo Rack

Storing and organizing microtubes while keeping them cold

P.I.P. Microtube Combo Rack is designed in two models, suitable for accommodating different microtubes in one box which allows user to keep the samples cold. To do so, the box's lower container can be filled with crushed ice or water. This rack is made from

polypropylene which is autoclavable and freezable and resistant to most of the common laboratory acids and chemicals. Its microtube holder has alphanumeric grid for easy retrieval of the microtubes. Microtube Combo Rack has a transparent hinged lid with a latch.



GS1 Code	Model	Appropriate Tube (ml)	Number of Wells	Outer Dimensions (mm)	Qty./pack
6260807502761	69 -well	0.2	30	176 × 95 × 55	5
		0.5	24		
		1.5 & 2	15		
6260807502778	54 -well	0.2	12	176 × 95 × 55	5
		0.5	12		
		1.5 & 2	30		

## Tak Rack Microtube

Storing and organizing microtubes with 8 removable segments

P.I.P. Tak Rack Microtube has 8 reversible segments that 64 x 0.5ml microtubes by using one side of the rack or 96 x 0.2ml microtubes by using the other side can be placed in this

rack (they can also be combined). Another advantage of this product is the ease of use and it stops opened microtube lids from interfering with others.



GS1 Code	Appropriate tube	Number of Wells	Outer Dimensions (mm)
6260807502716	0.2	96	140 x 140 x 55
	0.5	64	

## Tak Rack Cryotube

Storing and organizing microtubes and cryotubes with 8 removable segments

P.I.P. Tak Rack Cryotube is designed with 8 segments to hold 64 x 1.5 or 2ml microtubes / cryotubes. Wells of this rack have a center depression to

stabilize conical tubes and a cryogenic vial lock for one-handed cap removal



GS1 Code	Appropriate tube	Number of Wells	Outer Dimensions (mm)
6260807502709	1.5 & 2 ml	64	140 x 140 x 55
	(Cryo and microtubes)		

## Microtube Storage Rack

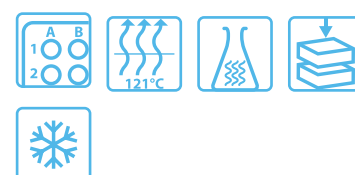
### Storing and organizing microtubes

P.I.P. Microtube Storage Racks are made from polypropylene, are autoclavable, freezable, and resistant to most of the common laboratory acids and chemicals. Microtube Storage Rack has alphanumeric grid for an easy retrieval of microtubes. These racks have

transparent hinged lids with latch, and their rectangular structure as well as the raised edges on the lid makes them safely stackable. They are available in 3 different models and various colors. The variety of colors facilitate classification.



GS1 Code	Model	Appropriate Microtube	Dimensions (mm)	Qty./pack
6260807500866	153 well (17 × 9)	0.2 ml	176 × 95 × 55	5
6260807500873	98 well (14 × 7)	0.5 ml	176 × 95 × 55	5
6260807500880	72 well (6 × 12)	1.5 ml	176 × 95 × 55	5



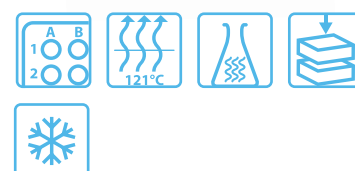
## Cryo Box

### Storing and organizing tubes and microtubes up to 2ml

P.I.P. Cryo Box can be used to store cryotubes with volumes up to 2ml. It is made from polypropylene, is autoclavable, freezable, and resistant to most of the common laboratory acids and chemicals. There is an alphanumeric grid on the base for an easy retrieval of tubes.

These boxes have transparent hinged lids with latch, and their square cross section makes them safely stackable. They are available in various colors. The variety of colors facilitates classification.

GS1 Code	Model	Appropriate tube	Dimensions (mm)	Qty./pack
6260807500835	100-well (10 × 10)	2 ml	140 × 140 × 55	6



## Tips Rack

### Storing and organizing micropipette tips

P.I.P. Tips Rack is ideal for storing any micropipette tips from 0.1µl to 1000µl. These racks are made from polypropylene, are autoclavable, freezable, and resistant to most of the common laboratory acids and chemicals. According to the wells configuration, using the 8-channel and 12-channel micropipettes is

recommended, but there is no limitation to use other micropipettes. These boxes have transparent hinged lids with latch, and their rectangular structure makes them safely stackable. They are available in 3 different models with 3 specific colors for an easy retrieval.



GS1 Code	Model	Appropriate tube (µl)	Dimensions (mm)	Qty./pack
6260807500903	96-well (8 × 12)	0.1-10	120 × 80 × 80	4
6260807500910	96-well (8 × 12)	1-200	120 × 80 × 80	4
6260807500897	60-well (6 × 10)	200-1000	120 × 80 × 80	4





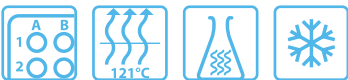
## Eppendorf Rack

Storing and organizing microtubes

Eppendorf Rack with square wells is designed to hold all kinds of microtubes and tubes with diameters up to 10 mm. It is made from polypropylene, is autoclavable, freezable, and resistant to most of the common laboratory

acids and chemicals. It has alphanumeric grid for easier retrieval. The advantage of this rack is that it can be folded and unfolded when necessary in order to save space and put a large number of them in autoclave.

GS1 Code	Model	Appropriate tube	Dimensions
6260807500194	100 - well (4x25)	up to $\phi$ 10 mm	262 mm $\times$ 108 mm $\times$ 45 mm



## Pop-Up Rack

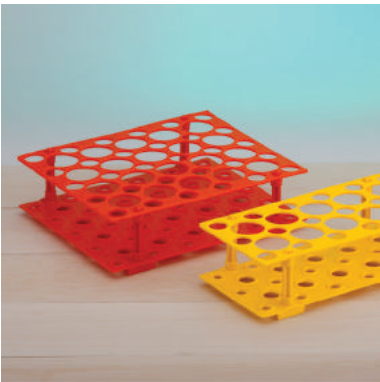
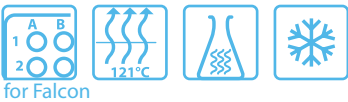
Carrying and organizing laboratory sample containers

P.I.P. Pop-Up Racks are made from polypropylene, are autoclavable, freezable, and resistant to most of the common laboratory acids and chemicals. In addition to stabilizing sample containers and tubes, these

racks provide easy storage and organization of containers and test tubes. They are available in different colors. This product is foldable to save space while stacking and autoclaving.

GS1 Code	Model	Dimensions (mm)	Number of Wells	Well Diameter
6260807501085	Rack 58	325 $\times$ 242 $\times$ 65	12 (3 $\times$ 4)	$\phi$ 58 mm
6260807501092	Rack 48	325 $\times$ 242 $\times$ 65	20 (4 $\times$ 5)	$\phi$ 48 mm
6260807501108	Rack 43	325 $\times$ 242 $\times$ 65	20 (4 $\times$ 5)	$\phi$ 43 mm
6260807501115	Falcon Rack *	325 $\times$ 242 $\times$ 65	40 (5 $\times$ 8) + 28 (4 $\times$ 7)	$\phi$ 17 mm & $\phi$ 29 mm

\* With alphanumeric grid



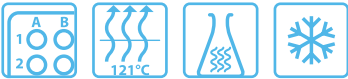
## Conical Tube Rack

Storing and organizing different test tubes

P.I.P. Conical Tube Rack is made from polypropylene, is autoclavable, freezable, and resistant to most of the common laboratory acids and chemicals. It has alphanumeric grid for an easier retrieval of tubes. One of the

advantages of this rack is that it can be collapsed and reassembled to save space when necessary and autoclave a larger quantity of them at the same time. It is available in 2 different models in yellow and orange to facilitate classification.

GS1 Code	Model	Appropriate Tubes	Dimensions (mm)
6260807500132	28 wells	(3 $\times$ 6) ..... 15 ml (2 $\times$ 5) ..... 50 ml	207 $\times$ 97 $\times$ 60
6260807500149	50 wells	(5 $\times$ 6) ..... 15 ml (4 $\times$ 5) ..... 50 ml	207 $\times$ 170 $\times$ 60



## Test Tube Rack

### Storing and organizing test tubes

P.I.P. Test Tube Rack is made from polypropylene, is autoclavable, freezable, and resistant to most of the common laboratory acids and chemicals. Side walls provide labeling area. The main advantage of these racks is that the parts can be collapsed and reconnected when necessary to save space and put more of them inside autoclave. They are available in 4 different models.



GS1 Code	Model	Appropriate tube diameter	Dimensions (mm)
6260807500156	21 well (7 × 3)	φ 28 mm	245 × 103 × 65
6260807500163	40 well (10 × 4)	φ 20 mm	245 × 103 × 65
6260807500170	60 well (12 × 5)	φ 16 mm	245 × 103 × 65
6260807500187	90 well (15 × 6)	φ 13 mm	245 × 103 × 65



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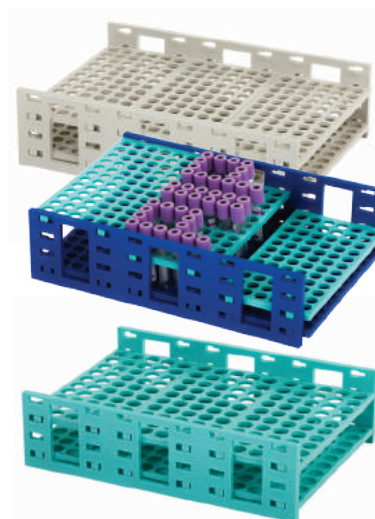
## Mega-Mix Rack

P.I.P. Mega-Mix Racks are available in two models of 150-well (for tubes with maximum diameter of 16mm) and 216-well (for tubes with maximum diameter of 12mm). Each rack has three movable plates, so that by interchanging the plates of the two models, users can place different sizes of test tubes in different heights into one rack. These racks are

made from sturdy polypropylene in different colors. Their design allows user to disassemble the rack to save space when necessary. Mega-Mix Racks are autoclavable and resistant to most of the common laboratory acids and chemicals, available in different colors for easier classification.

- Alphanumeric grid
- Robust structure
- Height - adjustable plates

GS1 Code	Model	Well Diameter	Dimensions (mm)	Wells/Plate	Wells/Rack
6260807501245	216-well	φ 12 mm	335 × 233 × 90	72 wells (12 × 6)	216 wells (18 × 12)
6260807501252	150-well	φ 16 mm	335 × 233 × 90	50 wells (10 × 5)	150 wells (15 × 10)



## T3 Rack

### Storing and organizing test tubes

T3 Rack is ideal for different test tubes with diameters between 10mm and 16mm. It is made from polypropylene, is autoclavable, freezable, and resistant to most of the common laboratory acids and chemicals. One of its advantages is that it can be collapsed and

reconnected when necessary to save space and put more of these racks inside autoclave. The two handles facilitate carrying. The samples. T3 Rack is available in different colors for easier retrieval and classification.

GS1 Code	Model	Appropriate tube diameter	Dimensions (mm)
6260807500651	18 well (3 × 6)	φ 16 × 100 mm φ 12 × 100 mm φ 10 × 75 mm 15 ml falcon tubes	150 × 65 × 110







## MultiRack

Storing and organizing different test tubes and microtubes

P.I.P. MultiRacks are available in 12 models, useful for storing and managing different kinds of tubes and microtubes in different laboratory departments. They are made from POM, submersible and resistant to most of the common laboratory acids and chemicals. The

handles of these racks facilitate carrying the samples. They are compact and lightweight, so they are ideal for placing inside incubators, refrigerators, freezers, under lab hoods and on bench tops. MultiRacks are provided in different colors.

GS1 Code	Model	No. of wells	Appropriate Tubes	Dimensions (mm)
6260807501924	L12 - 84	84	Tubes with diameters up to 13mm 12 × 100 mm tubes, round bottom tubes	293 × 115 × 65
6260807501894	S12 - 42	42	Tubes with diameters up to 13mm 12 × 100 mm tubes, round bottom tubes	175 × 115 × 65
6260807501900	L16 - 60	60	Tubes with diameters up to 16mm 16 × 100 mm tubes, 15ml conical tubes	293 × 115 × 65
6260807501870	S16 - 30	30	Tubes with diameters up to 16mm 16 × 100 mm tubes, 15ml conical tubes	175 × 115 × 65
6260807501863	L30 - 18	18	Tubes with diameters 25 to 30 mm 50 ml conical tubes	293 × 115 × 65
6260807501931	S30 - 9	9	Tubes with diameters 25 to 30 mm 50 ml conical tubes	175 × 115 × 65
6260807501955	LM - 60	60	1.5 and 2 ml microtubes	293 × 115 × 37
6260807501948	SM - 30	30	1.5 and 2 ml microtubes	175 × 115 × 37
6260807502211	LC - 84	84	Tubes with diameters up to 11 mm Round bottom tubes, cryotubes	293 × 115 × 37
6260807502228	SC - 42	42	Tubes with diameters up to 11 mm Round bottom tubes, cryotubes	175 × 115 × 37
6260807502266	LF - 39	39	15 and 50 ml conical tubes	293 × 115 × 65
6260807502235	LT - 72	72	Test tubes, round bottom tubes 12 × 100 mm and 16 × 100 mm tubes	293 × 115 × 65

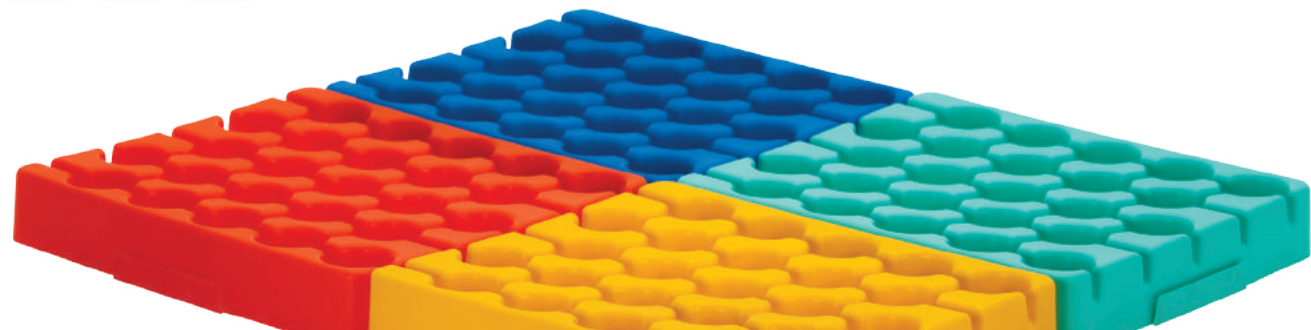
## Conical Tube Tray

Storing and organizing conical tubes

P.I.P. Conical Tube Trays are designed for storing and organizing 15 and 50ml conical tubes. These racks can be connected indefinitely. Made from polypropylene, these trays are

autoclavable, freezable, and resistant to most of the common laboratory acids and chemicals. Conical Tube Trays are available in different colors for proper classification.

GS1 Code	No. of wells	Appropriate Falcon Tubes	Dimensions (mm)	Qty./ pack
6260807501436	25 wells	15 ml	145 × 110 × 35	10
6260807501429	25 wells	50 ml	210 × 180 × 35	10
6260807503423	25 wells	with 25 × 50ml tubes	210 × 180 × 130	1
6260807503430	25 wells	with 25 × 15ml tubes	150 × 110 × 130	1





## Puzzle Rack

### Storing and organizing different test tubes

With a modern design, P.I.P. Puzzle Racks are suitable to hold tubes with diameters from 11 to 28mm. Made from polypropylene, they are autoclavable, freezable, and resistant to most of the common laboratory acids and chemicals. With their unique structure, they can be used individually or connected in groups. Having

wells with different diameters on each side of the rack, these racks can accommodate tubes with different sizes and volumes at the same time. For an easier retrieval of the tubes, they have alphanumeric grid, also available in different colors for easy classification.



GS1 Code	Well diameter	No. of wells	Dimensions (mm)	Qty./pack
6260807501238	φ 28 mm	4 wells	150 × 140 × 65	4
	φ 16 mm	9 wells		
	φ 11 mm	4 wells		
	φ 11 mm	8 wells		



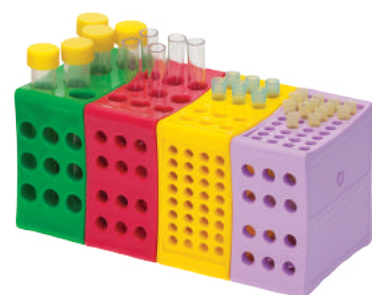
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## Rotatory Rack

### Storing and organizing different tubes and microtubes in one rack

P.I.P. Rotatory Rack is appropriate for different microtubes from 0.2 to 2ml and tubes up to 16mm of diameter. Made from polypropylene, they are autoclavable, freezable, and resistant to most of the common laboratory acids and chemicals. Their special structure and interconnections give more advantages than

conventional racks. Having different sizes of wells on each side of the rack, user can connect more pieces and use tubes with different diameters and volumes inside Rotatory Rack at the same time. They are available in various colors for easy classification.



GS1 Code	Well diameter	No. of tubes per segment	Appropriate tubes	Dimensions	Qty./pack
6260807501221	φ 6 mm	32	0.2 ml microtubes	100 × 100 × 50	4
	φ 7 mm	12	0.5 ml microtubes		
	φ 10 mm	9	2 and 1.5 ml microtubes		
	φ 16 mm	6	Tubes to of 16 mm in diameter		



## Pipette and Thermometer Stand

### Holding different glass pipettes and thermometers

P.I.P. Pipette and Thermometer Stand is steady, autoclavable, made from polypropylene, and resistant to most of the common laboratory acids and chemicals. It is available in two models of 25 and 50-well. The 25-well model has wells with 8mm diameter, which is appropriate for 0.1 to 3 ml glass pipettes and

1 to 8 ml volumetric pipettes. Besides, all glass thermometers that have diameters less than 8mm can be placed in this model. The 50-well model has wells with 16mm diameter, which is appropriate for 5 to 25ml glass pipettes and 7 to 50ml volumetric pipettes. Both models can be collapsed and reconnected for saving space.

GS1 Code	Model	Dimensions (mm)	Well Diameter	Appropriate Pipette	Appropriate Volumetric Pipette
6260807501269	25-well	145 × 137 × 255	φ 8 mm	0.1 - 3 ml	1 - 8 ml
6260807501276	50-well	210 × 137 × 255	φ 16 mm	5 - 25 ml	7 - 50 ml





## Sample & Equipment Transportation Instruments





- 77 LA.BOX
- 78 Biojar
- 79 Pathology Sample Transport Container
- 80 Universal Case
- 82 First Aid Kit
- 82 Plastic Bracket for First Aid Kit
- 82 Cool Box
- 83 Injection and Dressing Tray
- 84 Phlebotomy Tray
- 85 Sample Collection and Transportation Case

## LA.BOX

### Safe transportation of biological samples

Regarding the hazards that medical and laboratory samples can cause for people and environment, any biological samples from laboratories, hospital departments, or clinics should be transported leaving no leakage. In this case, either protection of the integrity and quality of samples, or prevention of any surrounding contamination have the same importance. Therefore, different regulations have been set by international organizations and countries for air, sea, and land transportation. According to the IATA regulations,

for air transport of materials classified under UN3373, specific containers are required. These containers should have first packing, second leak proof packing, and durable outer packing. P.I.P. LA.BOX is an ideal product according to IATA standards for transporting biological samples. LA.BOX is lightweight and provides safe and easy transportation of samples, with two-layered packing and foam tube rack. Besides, there is a special slot for documents and the variety of colors facilitates classification.

#### Properties:

- Optimum stability of the box in the open position
- Visibility of sample tubes with transparent internal lid
- Inside of outer lid usable as sampling preparation tray
- In accordance with the international standards and regulations
  - Two-layered packing
  - Sturdy Polypropylene body
  - Secondary leak proof polycarbonate lid with PVC O-ring
  - With latch to avoid unintended opening of the lid



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GS1 Code	Appropriate for	No. of Wells	Well Diameter	Dimensions (mm)
6260807502310	Different tubes with 17-18 mm Needle	1	φ 17 mm	206 × 127 × 47
		1	φ 7 mm	
	10 ml tubes, 12-14 mm tubes	1	φ 13 mm	
	5-7 ml tubes, 10-12 mm tubes	6	φ 11 mm	







Biojar

Safe Transportation of Samples via Air, Sea and Land

P.I.P. Biojar is a 1.5 liter container for air, sea, and land transport of different types of laboratory and medical specimens, test tubes, pathology samples, and other substances. Sturdy structure, strong body, and withstanding 1.5 atm make Biojar and its contents resistant to the changes in atmospheric pressure so that air transport will also be possible. The body is fortified, the closure is internally threaded, and because of EPDM O-ring, it gets sealed completely, so that during the transport process, samples remain unharmed and the contents will not leak out under any

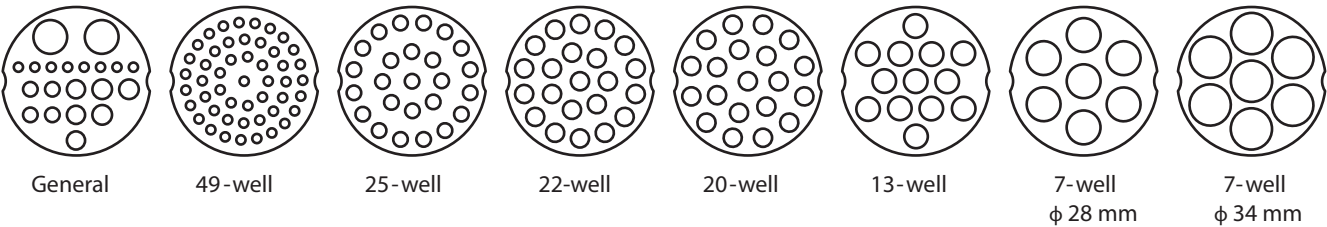
circumstances. Besides, Biojar has a lug to seal the container by a tamper-evident seal. There are inner holders designed for Biojar to hold different laboratory tubes. On the one hand, the built-in torque handle on the lid facilitates transporting the Biojar and on the other, makes it easy to open and close the lid. In addition, Biojar can be transported inside a Cool Box containing dry ice/ice packs while handling thermo-sensitive samples (Do not put dry ice / ice packs inside Biojar!). Biojar is made from polypropylene which is autoclavable.



GS1 Code	Model	Capacity	Total weight	Inner height	Dimensions
6260807501764	Without inner holders	1.5 L	300 g	155 mm	190 mm × ϕ 148 mm
6260807503492	With 8 inner holders	1.5 L	300 g	155 mm	190 mm × ϕ 148 mm

There are 8 different models of inner holders designed to provide more safety and a better arrangement of different test tubes. These holders are made from EPE (Expanded Polyethylene).

GS1 Code	Model	Well Diameter	No. of Wells	Tubes and Containers
6260807501719	General	ϕ 28 mm	2	Tubes with diameters 7.5 to 28 mm 0.2 to 0.8 ml microtubes
		ϕ 16 mm	3	
		ϕ 15 mm	3	
		ϕ 12 mm	4	
		ϕ 7.5 mm	8	
6260807501702	49-Well	ϕ 7.5 mm	49	Tubes and microtubes with diameters up to 8 mm
6260807501740	25-Well	ϕ 12 mm	25	12 × 100 tubes, round bottom tubes, 1.5 to 2 ml microtubes, tubes with diameters up to 12 mm
6260807501696	20-Well	ϕ 15 mm	20	CBC tubes, 15 ml conical tube and tubes with diameters up to 15 mm
6260807501689	22-Well	ϕ 16 mm	22	16 × 100 tubes, CBC tubes, 15 ml conical tubes, tubes with diameters up to 16 mm
6260807501733	13-Well	ϕ 20 mm	13	Tubes with diameters up to 20 mm
6260807501757	7-Well	ϕ 28 mm	7	50 ml conical tubes and tubes with diameters up to 28 mm
6260807501726	7-Well	ϕ 34 mm	7	Tubes and sampling containers with diameters up to 34 mm



## Pathology Sample Transport Container

Safe Transportation of samples via air, sea, and land

P.I.P. Pathology Sample Transport Container is the ideal equipment for transporting samples to long distances. Samples can be placed in this container within or without tubes. Because of its structure, atmospheric pressure does not influence the contents and can also be put in the plane's cargo. This container can be used in land and sea transport as well.

It has a screw-top lid and the EPDM O-ring inside the lid prevents leakage. This container is made from polypropylene and is very rigid. These containers are autoclavable, freezable, and resistant to common laboratory acids and chemicals. Their dimensions allow user to place them inside Cool Box or different fridges while handling thermo sensitive samples.

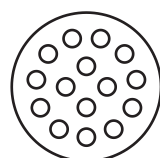
GS1 Code	Model	Depth × Diameters	Capacity
6260807501122	Without inner holders	145 mm × $\phi$ 65 mm	380 ml
6260807503485	With 5 inner holders	145 mm × $\phi$ 65 mm	380 ml

There are 5 different models of inner holders designed to provide more safety and a better arrangement of different test tubes. These holders are made from EPE (Expanded Polyethylene).

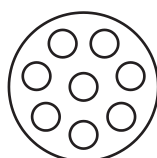
GS1 Code	Model	Well Diameter	No. of Wells	Tubes and Containers
6260807502044	15-well	$\phi$ 7.5 mm	15	0.2 to 0.8 ml microtubes, tubes and microtubes with diameters up to 8 mm
6260807502037	8-well	$\phi$ 12 mm	8	12 × 100 tubes, round bottom tubes, 1.5 to 2 ml microtubes, tubes with diameters up to 12 mm
6260807502051	5-well	$\phi$ 16 mm	5	16 × 100 tubes, CBC tubes, 15 ml conical tubes, tubes with diameters up to 16 mm
6260807502068	4-well	$\phi$ 20 mm	4	Tubes with diameters up to 20 mm
6260807502075	3-well	$\phi$ 28 mm $\phi$ 15 mm	1 2	16 × 100 tubes, CBC tubes, 15 ml conical tubes, tubes with diameters up to 16 mm



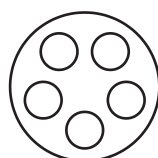
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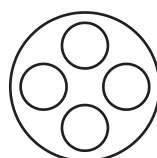
15 - well



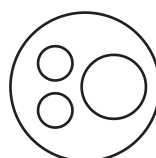
8 - well



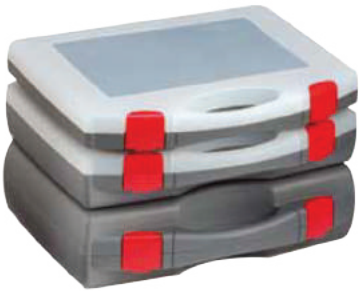
5 - well



4 - well



3 - well



SS  
SM  
MM



## Universal Case

Safe transportation of medical, laboratory, dental, and general equipment

P.I.P. Universal Cases are suitable for safe carrying, storage and transportation of medical, laboratory, and general equipment. Variety of sizes and colors with available foam inserts for more safety and a better arrangement of the contents make Universal Cases ideal for transfer and storage of equipment. They are completely made from polypropylene with no metal parts, and in spite of being lightweight, they are robust and strong.

- Sturdy structure
- Useful for different applications
- Labeling area
- Ergonomic molded-in handle for easy transportation
- Variety of colors
- Different foam inserts
- Opaque and semi-transparent body
- Two sturdy latches for more safety

GS1 Code	Model	Internal Diameters (mm)	External Dimensions (mm)
6260807502471	SS125	180 × 125 × 18	197 × 167 × 23
6260807502488	MM125	180 × 125 × 42	197 × 167 × 47
6260807502495	SM125	180 × 125 × 30	197 × 167 × 35
6260807502501	SS155	225 × 155 × 23	244 × 207 × 29
6260807502518	MM155	225 × 155 × 53	244 × 207 × 59
6260807502525	SM155	225 × 155 × 38	244 × 207 × 44
6260807502532	SS175	225 × 175 × 26	275 × 231 × 31
6260807502549	MM175	225 × 175 × 60	275 × 231 × 65
6260807502556	SM175	255 × 175 × 43	275 × 231 × 48
6260807502563	MM195	284 × 195 × 30	307 × 260 × 35
6260807502570	LL195	284 × 195 × 66	307 × 260 × 74
6260807502587	ML195	284 × 195 × 48	307 × 260 × 55
6260807502594	MM220	320 × 220 × 34	346 × 292 × 39
6260807502600	LL220	320 × 220 × 78	346 × 292 × 84
6260807502617	ML220	320 × 220 × 56	346 × 292 × 62
6260807502624	MM250	365 × 250 × 55	393 × 331 × 60
6260807502631	LL250	365 × 250 × 90	393 × 331 × 95
6260807502648	ML250	365 × 250 × 75	393 × 331 × 80
6260807502655	MM290	421 × 290 × 100	456 × 384 × 110
6260807502662	LL290	421 × 290 × 132	456 × 384 × 143
6260807502679	ML290	421 × 290 × 116	456 × 384 × 127



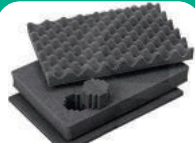
## Different Foam Inserts



Rubber Inserts



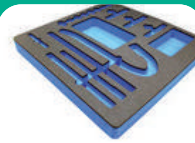
Cubic Foams



Different Densities  
and Materials



Anti Static Foam



Interior Design  
Options



Variety of Colors

The foam inserts can be customized according to customers' application and do not come with the universal cases.

# P.I.P. Universal Cases Fits Your Needs

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## Applications

Industrial Equipment



Medical and Health



Dental



Entertainment Tools



Electronic and Precision Instrument

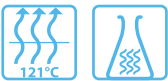


Laboratory Equipment and Chemicals



## First Aid Kit

### Providing first aid requirements



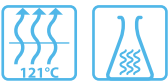
Regarding the growing number of accidents that lead to injury and burns, it is even more necessary to have first aid kits available in any place. P.I.P. First Aid Kit can be used at home, office, school, workshop, gym, inside vehicles, and many other places. It is made from semitransparent polypropylene which is available in three sizes with different colors. As for the size and capacity, each model can be used to meet a wide range of requirements

and with different internal arrangements for specified applications such as burns, cuts, poisoning, asphyxia, sting, bleeding, hypothermia, eye care etc. In order to facilitate classifying instruments inside the kit, there are internal dividers for medium and large models. The lid has two latches in order for preventing unwanted opening of the lid. There is also a molded-in handle for easy transport.

GS1 Code	Model	Dimensions (mm)	Qty./Pack
6260807500378	S (Small)	95 × 30 × 125	6
6260807500385	M (Medium)	206 × 49 × 205	2
6260807500392	L (Large)	270 × 102 × 290	1

## Plastic Bracket for First Aid Kit

### Mounting First Aid Kit on the wall or similar surfaces



This bracket is designed for P.I.P. large First Aid Kits. It is made from polypropylene and is resistant to most of the common

laboratory acids and chemicals. It can be simply mounted on the wall.

GS1 Code	Dimensions (length x width)
6260807500408	255 mm × 60 mm

## Cool Box

### Storing different materials in temperatures between 0 and 4°C



Cool Box is an insulated container which provides appropriate temperature conditions based on Cold Chain Technology for storing different medicines and vaccines, blood and its derivatives, and generally all temperature-sensitive substances. This product is available in two models of 11L and 30L which can contain 26 and 70 ice packs (400g each) respectively. The inner insulation is made from

expanded polystyrene and the body is made from polyethylene. The 11L model has a dual-purpose handle for easy transport and locking the lid (by turning the handle upward), while in the 30L model, the lid gets locked by two latches each at one side of the box and there are two handles on the other two sides for easy transport. Both models have an average body thickness of 25mm.

GS1 Code	Capacity	Inner Dimensions (mm)	Outer Dimensions (mm)
6260807500774	11 L	330 × 195 × 180	430 × 265 × 230
6260807502259	30 L	480 × 290 × 250	560 × 370 × 300







## Injection and Dressing Tray

### Organizing and carrying injection and dressing accessories

P.I.P. Injection and Dressing Trays are suitable for organizing the accessories in laboratories and medical centers. This product can be used on workbench or for transporting injection and dressing accessories. These trays are available with compartments assigned for sharps containers.

Code GS1	Model	Appropriate Sharps Container	Dimensions
6260807502457	RC plus 2, 3 Cd 0.5	Small	350 mm × 247 mm × 43 mm
6260807502464	RC plus 2, 3 Cd 0.5, 1.5 - C plus 1.5	Large	390 mm × 290 mm × 40 mm



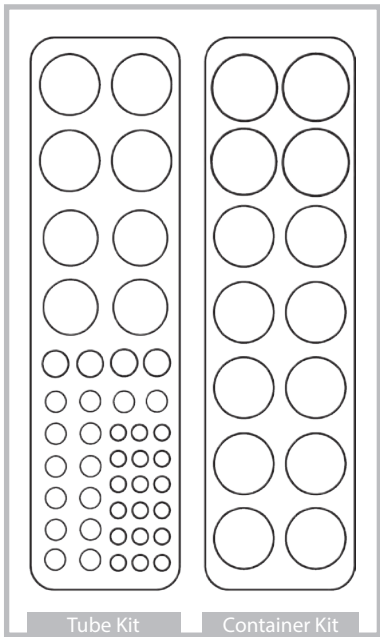
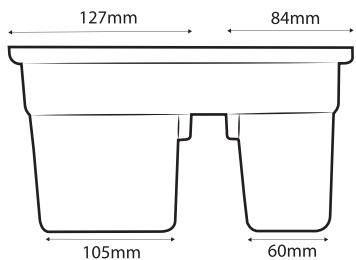


## Phlebotomy Tray

### Safety transportation of samples and sampling tools

P.I.P. Phlebotomy Tray is specially designed to ensure that the sampling procedure is carried out quickly and specimens are handled safely and properly. It features a molded-in handle for easy transport and its unique bottom structure allows the user to put the tray comfortably both on flat surfaces and most of the bed rails. P.I.P. Phlebotomy Tray is made from polypropylene, available in different colors which facilitate classification.

- Without lid, with deep compartments, preventing spillage and falling of equipment
- Customizing compartments using kits and dividers
- Special design for placing on horizontal poles (bed rails, trolleys, etc.)
- Lightweight and robust



### Outer Dimensions

Length : 440 mm  
Width : 280 mm  
Height with handle : 280 mm  
Height without handle : 160 mm

GS1 Code	Model	Well diameter	Applications
6260807502082	General Kit	-	Transporting phlebotomy and sampling instruments, accommodating tube racks
6260807502099	Tube Kit	$\phi$ 44 mm (4 wells) $\phi$ 40 mm (4 wells) $\phi$ 21mm (4 wells) $\phi$ 17 mm (14 wells) $\phi$ 13 mm (18 wells)	Holding different test tubes and sampling containers, suitable for transporting phlebotomy and sampling instruments, accommodating tube racks
6260807502105	Container Kit	$\phi$ 44mm (10 wells) $\phi$ 48mm (4 wells)	Holding different sample and stool containers, suitable for transporting phlebotomy and sampling instruments, accommodating tube racks

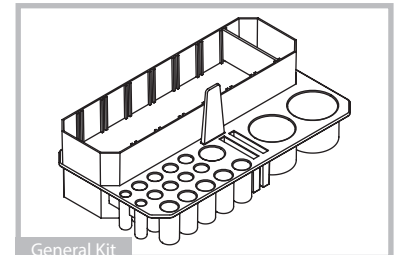


## Sample Collection and Transportation Case

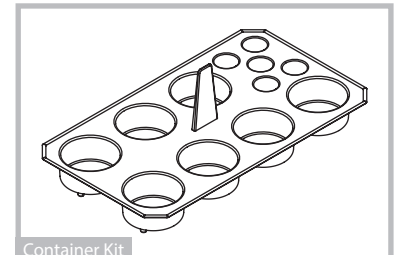
Safely transporting and organizing different samples and containers

Sample Collection and Transportation Case is a simple but efficient instrument which can be vastly used for different purposes. This case has three different internal kits which are removable and interchangeable and each one has a different design with different numbers of wells. It can also be used in Cool Box for temperature-sensitive samples. Both

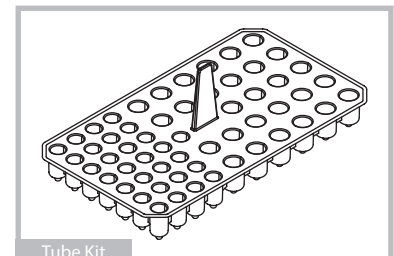
the case and the internal kits are autoclavable and resistant to common laboratory chemicals and acids. This case is available in different colors which facilitates classifying the samples. Because of the two strong latches, in case one of them opens accidentally, the other will keep the lid locked and the samples will remain safe.



General Kit



Container Kit



Tube Kit



### Outer Dimensions

Length : 280 mm  
Width : 190 mm  
Height with handle : 140 mm  
Height without handle : 100 mm

GS1 Code	Model	Well Diameter	Applications
6260807501023	General Kit	10 mm (2), 14 mm (8) 16 mm (5), 24 mm (1) 40 mm (1), 48 mm (1)	Transporting wound care supplies, mobile phlebotomy and sampling equipment etc.
6260807501030	Container Kit	20 mm (5), 50 mm (7)	Transporting different stool and urine containers, and test tubes.
6260807501047	Tube Kit	13 mm (29), 16 mm (28)	Transporting CBC tubes, vacutainer tubes, and test tubes.
6260807501580	Without Kit	-	Sampling and check-up equipment and other accessories







## Microscopic & Staining Equipment







- 89 Microscope Slide
- 89 Serology Cavity Spot Plate
- 89 White Serology Cavity Spot Plate
- 90 Slide Staining Set
- 90 Slide Staining Dish
- 91 Slide Staining Holder with Handle
- 91 Staining Tray with Slide Holder
- 92 Slide Holder with Grooved Slot
- 92 Filing Cabinet for Slide
- 92 Metal Trolley for Filing Cabinet
- 93 Diamond Scribe
- 93 Slide Mailers
- 93 Slide Storage Box

## Microscope Slide

### Studying and processing samples under a microscope

P.I.P. Microscope Slide with dimensions 75mm x 25mm and the thickness of 1.2 mm is made from high quality glass which increases the accuracy and validity of microscopic examinations, due to its perfectly smooth

and transparent surface. These slides are precleaned, corrosion resistant, in packs of 50 in which there is a piece of paper between each slide and each pack is individually vacuumed.



GS1 Code	Model	Dimensions (mm)	Qty./Pack
6260807502822	7102	75 x 25	50

## Serology Cavity Spot Plate

### Storing different materials in temperatures between 0 and 4°C

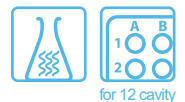
Cavity spot plates are usually used for agglutination, flocculation, and precipitation tests. P.I.P. Serology Cavity Spot Plates are made from a transparent polymer, resistant to most of the common laboratory acids and chemicals, with circular cavities. These plates are suitable for different serological tests. They

are also ideal for observing sedimentation reactions, temporary storage of small amounts of samples or solutions and also combining samples and stains. These plates are available in two models of 10 and 12-cavity. The 12-cavity model has alphanumeric grid for easy retrieval.



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GS1 Code	Model	Dimensions (mm)	Cavity Dimensions (diameter x depth)	Qty./Pack
6260807500590	10-well	110 x 55 x 5	φ 17 mm x 3 mm	30
6260807500606	12-well	117 x 85 x 3.5	φ 20 mm x 2 mm	30



for 12 cavity

## White Serology Cavity Spot Plate

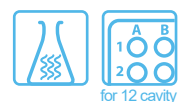
### Studying and processing samples under a microscope

White cavity spot plates are usually used for agglutination, flocculation, and precipitation. P.I.P. White Serology Cavity Spot Plates are resistant to most of the common laboratory acids and chemicals, and have circular cavities. These plates are suitable for different tests such as VDRL test, pH tests, and quantitative

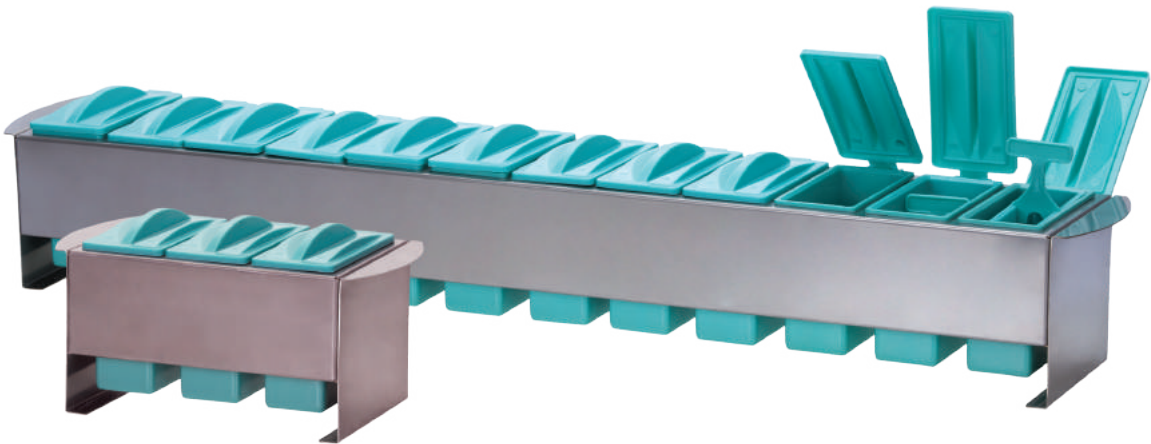
chemical analysis for precipitation. They are also ideal for observing staining reactions, temporary storage of small amounts of samples or solutions and also combining samples and stains. These plates are available in two models of 10 and 12-cavity. The 12-cavity model has alphanumeric grid for easy retrieval.



GS1 Code	Model	Dimensions	Cavity Dimensions (diameter x depth)	Qty./Pack
6260807502334	10-well	110 x 55 x 5	φ 17 mm x 3 mm	30
6260807502327	12-well	117 x 85 x 3.5	φ 20 mm x 2 mm	30



for 12 cavity



## Slide Staining Set

Organizing staining solutions and increasing precision and efficiency in staining

P.I.P. Slide Staining Set is ideal for staining in histology, cytology, hematology, pathology, and microbiology. These sets consist of dishes with attached hinged lids, Slide Staining Holder with handle for 25 slides, and a Metal Holder. Slide Staining Dishes and the Slide Staining Holders are made from PET which is resistant to common solvents in the histology laboratories (such as toluene and xylene). The capacity of Slide Staining Dishes is 300ml and it is deep enough for the total immersion of

the slides. Besides, its lid is specially designed to be completely shut in order to prevent the reagents from probable evaporation. The Slide Staining Holder for 25 slides has a handle designed for convenient and controlled grip and transfer. The Metal Holder for organizing these dishes is made from stainless steel, it is washable and resistant to common laboratory acids and solvents. In addition, since all of these items are lightweight, user can handle and transfer them effortlessly.

GS1 Code	Model	Contents	Dimensions (mm)
6260807501603	Histology/ Cytology Set	12 Slide Staining Dishes + 2 Slide Staining Holders + 12-place Metal Holder	Metal Holder: 720 × 130 × 110 Staining dishes: 125 × 55 × 115 Staining holder: 92 × 30 × 92
6260807501610	Hematology Set	3 Slide Staining Dishes + 1 Slide Staining Holder + 3-place Metal Holder	Metal Holder: 230 × 130 × 110 Staining dishes: 125 × 55 × 115 Staining holder: 92 × 30 × 92



## Slide Staining Dish

Microscopy staining

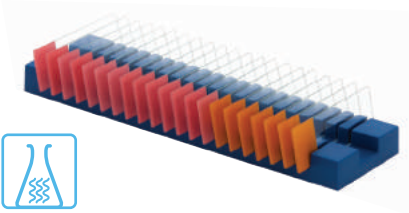
P.I.P. Slide Staining Dish is made from PET which is resistant to common solvents in the histology laboratories (such as toluene and xylene) and it is ideal for the histology, cytology, hematology, pathology, and microbiology staining. The capacity of this dish is 300ml and

it is deep enough for the total immersion of the slides. Besides, its lid is specially designed to be completely shut in order to prevent the reagents from probable evaporation. The slide staining holder for 25 slides can be used in these dishes.

GS1 Code	Dimensions (mm)	Qty./ Pack
6260807501627	125 × 55 × 115	12







## Slide Holder with Grooved Slot

### Holding and organizing slides

P.I.P. Slide Holder is made from rigid polystyrene and is ideal for holding 21 slides. It can be used to carry slides in laboratories. User can easily place slides inside this slide holder and the color-coded slides will be easily separated and completely visible in an orderly manner.

GS1 Code	Capacity	Dimensions (mm)	Qty./Pack
6260807500842	21 wells	220 × 61 × 17	6



## Filing Cabinets for Slide

### Managing and archiving 76 mm × 26 mm slides

Because of the probable need to reuse a slide or preparation of new slides in hospitals pathology departments and different laboratory sections, long-term preserving and archiving is of great importance. With regard to the necessity and sensitivity of retrieving the samples, P.I.P. Filing Cabinets have the following properties:

- Managing and archiving 76 mm × 26 mm slides
- Humidity resistant in comparison to metal models
- No decay or mould in comparison to wooden models
- Lightweight in comparison to metal models
- High-capacity drawers with numbering for easy retrieval
- Stackable
- No sharp edges
- Smoothly-moving drawers
- Made from ABS

GS1 Code	Capacity	Outer dimensions (mm)
6260807502303	1200 slides	510 × 458 × 130



## Metal Trolley for P.I.P. Filing Cabinets

### Organization and easy transportation of P.I.P. Filing Cabinets

- Color-coated
- Wheeled, easy transport
- Front wheels with stoppers

GS1 Code	Capacity	Dimensions (mm)
6260807502686	3 or 5 Filing Cabinets	550 × 450 × 1150



## Diamond Scribe

Marking on glass and hard surfaces, slides in particular

Diamond Scribe is for marking on hard surfaces such as slide, glass etc. Its body is made from stainless steel and is available in two colors of silver and navy blue.

GS1 Code	Length
6260807500415	135 mm



## Slide Mailers

Holding and safely transporting slides

P.I.P. Slide Mailers are strong protection for 76mm × 26mm slides and are made from polypropylene, autoclavable, freezable, and resistant to most of the common laboratory

acids and chemicals. These Slide Mailers feature a snap-close lid to keep slides secure during transport and have inner support bars to protect slides from being damaged.

GS1 Code	Model	Dimensions (mm)	Qty./Pack
6260807501009	Single-place	84 × 43 × 6	100
6260807500859	Double-place	88 × 71 × 6	100



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## Slide Storage Box

Holding and organizing slides

P.I.P. Slide Storage Box is made from ABS, it is freezable and provides the best protection for the 76mm × 26mm slides. There is a numbered blank index embedded on the base of the box in order for easy retrieval of the slides and a foam embedded inside the lid to keep

slides safe. Due to the rectangular base of these boxes, they are completely stackable. These boxes have a safety lock and are available in 4 models and 2 colors (black and gray). Different colors facilitate classification.

GS1 Code	Model	Dimensions (mm)
6260807500613	10-Slide	82 × 54 × 33
6260807500620	25-Slide	99 × 83 × 33
6260807500637	50-Slide	200 × 83 × 33
6260807500644	100-Slide	200 × 162 × 33





## General Supplies



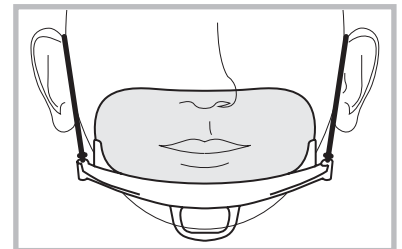
- 97 Disposable Nylon Gloves
- 97 Sanitary Mask
- 98 Sitz Bath
- 99 Multiclean Bedpan
- 100 Graduated Medicine Cup
- 100 Daily Pill Reminder
- 100 Weekly Pill Reminder
- 101 Plastic Tongue Depressor
- 101 Daily – Weekly Pill Reminder
- 102 Wash Bottle with Integral Cap
- 102 Labeled Wash Bottle with Integral Cap
- 103 Integral Wash Bottle
- 103 Plastic Beaker with Handle
- 103 Plastic Graduated Cylinder
- 104 Applicator Stick (Without Cotton)
- 104 Plastic Kidney Dish
- 104 Drying Rack
- 105 Perforated Stainless Steel Basket
- 105 Steel Pipette Canister
- 105 Steel Plate Canister
- 106 Automatic Pipette/Burette Rinsing Set (Plastic)
- 107 Automatic Pipette Rinsing Set (Steel)
- 107 Plastic Rinsing Jar

P.I.P. Nylon Gloves are disposable and transparent. These gloves are available in one size, usable for both hands, in two models: simple and Non-slip



## Protecting against pollution and oral secretions

masks. It will not limit user's breathing and speaking, does not disarrange user's makeup, and is washable. Seeing user's face when wearing the mask and the ease of wearing it with normal eyeglasses at the same time are some other benefits of this product. This mask has two cords that can be adjusted by changing the location of the O-ring.





Sitz Bath

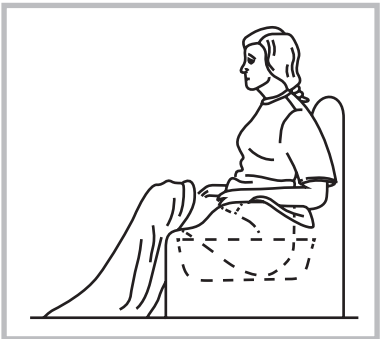
Easing pain, speeding up healing, relieving dry perineal skin



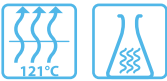
Fits all standard toilets

Generally, some of medical conditions such as postpartum period and episiotomy, surgical procedures such as hemorrhoidectomy, and diseases like anal fissure, prostatitis, hemorrhoids, anal abscess, rectal prolapse, genital sores and vaginal infections cause severe pain and discomfort in perineum for which local hydrotherapy can be very helpful in relieving pain and speeding up healing. Unfortunately, despite the fact that these conditions and diseases are common among men and women of different ages, unavailability of appropriate tools for treatment has resulted in many problems for patients which often make these people suffer unbearable pain. P.I.P. Sitz Bath is applicable to

a wide range of people and it can be used to ease the pain, speed up healing, cleanse the perineum, relieve muscle spasm, and make patients feel comfortable. Since Sitz Bath can be placed on standard and mobile toilets, also the elderly, people with muscle cramps and all the people who have mobility limitations can simply use it. The contoured edges provide maximum comfort for the patient. Sitz Bath can be hot or cold, it may be filled just with water, yet some people prefer to include some additives in water such as Betadine, baking soda, vinegar etc., in order to reduce infection. However, it is best to consult with the doctor first. It is available in different colors.



- Ideal for easing pain, treating diseases and comforting patients
- Lightweight, durable, hygienic, easy to wash
- Speeds up healing after delivery, episiotomy, and hemorrhoidectomy
- Fits all standard toilets
- Recommended to patients with conditions in perineum and pelvis such as hemorrhoids, anal fissure, prostatitis, anal abscess, rectal prolapse, genital sores, vaginal infections etc.
- Made from polypropylene



GS1 Code	Material	Inner Dimensions (mm)	Outer Dimensions (mm)
6260807501597	PP	270 × 255 × 90	370 × 365 × 130

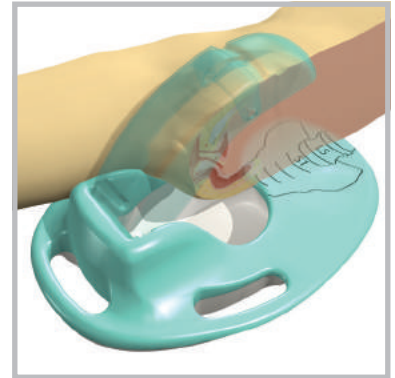


## Multiclean Bedpan

### Gathering urinary and fecal discharge

The design of conventional bedpans traces back to early 20th century which means more than 100 years ago and because of being outdated and inefficient, there has always been difficulties whether for patients or healthcare workers, e.g. inconvenience and causing pressure and back pain, difficult for females to use, extra wide opening, being unsanitary, hard to discharge, etc. Such problems are common and inevitable in clinical environments which have negative psychological impact on patients and nurses. P.I.P. Multiclean Bedpan has solved these defects with its ergonomic design and has hugely facilitated using bedpans for both patients and nurses. One of the most important points about this product is that it is unisex which means females can use it as comfortably as males do. Regular

bedpans do not cover genitals; neither can they reduce the unpleasant odor. The cover will hide genitals as well as reduce the unpleasant odor. Lying on the metal bedpans is hard, cold and painful. Their sharp edges may injure patient's body. Additionally, due to the structure of regular bedpans, so much pressure will be applied on patient's spine. Urine may also leak along patient's back and cause pressure ulcers. Having a 3.5 times larger supporting area, P.I.P. Multiclean Bedpan provides the utmost convenience while patient's weight is optimally distributed on its wide supporting area. It reduces pressure and prevents pain even after surgery by spine relieving depression in the support surface. One other advantage of this product is that it has 3 equal grips, one for each side of application for patient comfort.



- Ideal for both men and women
- With a cover for genitals
- Reduction of unpleasant odors
- Not soiling patient's back and beds
- Controlled direction of excretions
- No contaminations, no infections
- Washable in washing machines
- Autoclavable
- Reducing stress for nurse and patient
- Collection bags usable inside the bedpan

GS1 Code	Material	Dimensions (mm)
6260807500972	PP	450 × 335 × 190





### Graduated Medicine Cup

Measuring and taking medicine

P.I.P. Medicine Cup can be used to take any kind of edible medicines. This container is graduated with which liquid medicines can be measured and taken. Therefore, these cups are appropriate for medication dispensing in hospitals. Made from translucent polypropylene, they are autoclavable.

GS1 Code	Capacity	Graduation	Dimensions	Qty./ Pack
6260807500965	30 ml	0.5 ml (1-3 ml) 1 ml (3-30 ml)	Opening Diameter: $\phi$ 40 mm Base Diameter: $\phi$ 30 mm Height: 45 mm	1500



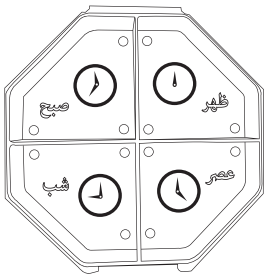
### Daily Pill Reminder

Storing and carrying pills of every day

P.I.P. Daily Pill Reminder is a small lightweight case with four compartments for morning, noon, afternoon and night which helps the user remember taking their medications. These containers are made from polypropylene and are available in 7 different colors for 7 days of the week that allow user to organize pills and capsules of each day.

**Note:** Some medications require special storage conditions and some cannot be kept in the same container as others.

GS1 Code	Dimensions (mm)	Model	Qty./Pack
6260807501078	65 × 65 × 15	daily	58



### Weekly Pill Reminder

Storing and carrying pills during a week

This compact, weekly pill reminder has compartments for each day of the week. Made from polypropylene, it is available in two models, with weekdays written on the lids in Persian or English. Each compartment has raised stamped letters and Braille to assist the visually impaired.

**Note:** Some medications require special storage conditions and some cannot be kept in the same container as others.

GS1 Code	Dimensions (mm)	Model	Qty./Pack
6260807500361	120 × 28 × 18	weekly	200

## Examination of mouth and throat, blending drugs and ointments

mouth, since physician's hand will be in a lower level than patient's mouth. More rigidity and flexibility and not having a mucosa-damaging rough surface are some other advantages of this tongue depressor. It can also be used to apply ointment, mixing drugs etc.



## Storing and carrying pills during a week

compartments. This Pill Reminder is suitable for those who need to take a number of pills and capsules during the day or are apt to forget and also for carers.

- 

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### Wash Bottle with Integral Cap

Transferring certain liquid volumes and rinsing laboratory equipment

The new P.I.P. Wash Bottles are made from LDPE (Low-Density Polyethylene). Their molded-in cap and nozzle makes them leak-proof and eliminates the possibility of contamination and dripping. These wash bottles have PP screw cap with ribbed external surface in order to facilitate opening and closing the lid. The PE internal tube easily fits the cap and remains fixed. These

wash bottles are available in 500 and 1000 ml volumes for transferring liquids up to 75°C. P.I.P. Wash Bottles are available with color-coded closures in 5 different colors which help user keep solvents and other laboratory liquids organized and easily identifiable. Also these wash bottles are freezable and resistant to most of the common laboratory chemicals and acids.

- Without leakage and dripping
- Appropriate opening diameter
- Flexible and resilient
- Color coding for different liquids

GS1 Code	Capacity	Diameter × Height	Opening Diameter	Cap Color
6260807501641	500 ml	φ 75mm × 235mm	φ 42 mm	White, yellow, orange, green, blue
6260807501665	1000 ml	φ 94mm × 275mm	φ 42 mm	White, yellow, orange, green, blue



### Labeled Wash Bottle with Integral Cap

Transferring certain liquid volumes and rinsing laboratory equipment

P.I.P. Labeled Wash Bottles with Integral Cap are available for 4 different liquids (distilled water, isopropanol, ethanol, and methanol) with capacities of 500 and 1000 ml. Color-coded lids and labels enhance rapid identification. Labels contain solvents chemical name, formula, CAS reference number, GHS pictograms and fire hazard signs according to NFPA codes. Therefore, labeling the wash bottles or writing the name of their contents on the body will not be needed and as a result, there will be no concerns about the writings being wiped

off. P.I.P. Labeled Wash Bottle is made from LDPE and is ideal for transferring liquids up to 75°C. Their molded-in cap and nozzle makes them leak-proof and eliminates the possibility of contamination and dripping. These Wash Bottles have PP screw cap with ribbed external surface in order to facilitate opening and closing the lid. The PE internal tube easily fits the lid and remains fixed. Also these wash bottles are freezable and resistant to most common laboratory acids and chemicals.

- Without leakage and dripping
- Proper opening diameter
- Flexible and resilient
- Color coding for different liquids

GS1 Code	Capacity	Diameter × Height	Opening Diameter	Cap Color	Liquid
6260807501658	500 ml	φ 75mm × 235mm	φ 42 mm	White	Distilled Water
6260807501672	1000 ml	φ 94mm × 275mm			
6260807501658	500 ml	φ 75mm × 235mm	φ 42 mm	Orange	Ethanol
6260807501672	1000 ml	φ 94mm × 275mm			
6260807501658	500 ml	φ 75mm × 235mm	φ 42 mm	Green	Methanol
6260807501672	1000 ml	φ 94mm × 275mm			
6260807501658	500 ml	φ 75mm × 235mm	φ 42 mm	Blue	Isopropanol
6260807501672	1000 ml	φ 94mm × 275mm			







## Applicator Stick (Without Cotton)

### Mixing or blending substances

Applicators are used in biological sampling or for mixing and blending samples. They are available in two PS and PP models which are cotton free. Their proper length provides reachable and easy sampling. PS model is

made from polystyrene which is rigid and brittle. PP model is made from polypropylene which is soft and flexible. It is resistant to most of the common laboratory acids and chemicals.

GS1 Code	Model	Weight	Dimensions (length × diameter)	Qty./Pack
6260807500552	Brittle- PS	0.7 g	150 mm × ϕ 2.5 mm	500
6260807500569	Flexible - PP	0.7 g	150 mm × ϕ 2.5 mm	500



## Plastic Kidney Dish

### Receiving general medical and laboratory wastes

P.I.P. Plastic Graduated Kidney Dish is used in hospital general and emergency departments, operating rooms, dental clinics, etc. to receive soiled dressings and other medical waste before disposal. Made from polypropylene,

these containers are autoclavable and resistant to most of the common laboratory acids and chemicals. Its capacity is 500cc and it has cc (every 100cc) and fluid ounce (every 4fl.oz.) graduations.

GS1 Code	Capacity (cc)	Capacity (fl.oz.)	Dimensions (mm)	Qty./Pack
6260807500767	500	16	220 × 107 × 46	150



## Drying rack

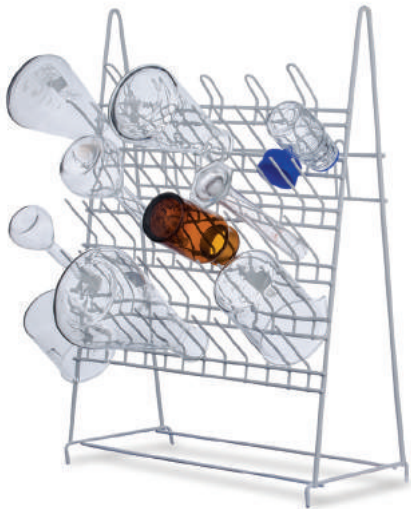
### Drying and holding laboratory glassware after washing

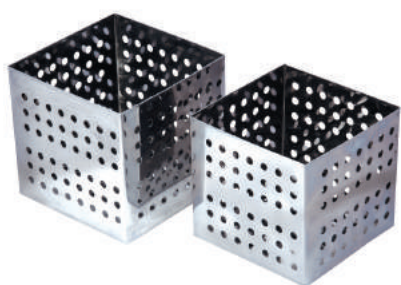
P.I.P. drying rack is used to safely dry and store frequently used or fragile labware. It is made of resistant coated metal with 65 pegs.

P.I.P. drying racks can be used on laboratory sink and mounted on the wall.

- Useable for all kinds of beakers, Erlenmeyer flasks, laboratory flasks, tubes and any other laboratory glassware.

GS1 Code	Material	Model	Outer dimensions
6260807503447	Metal	65-pegs	420×240×620





## Perforated Stainless Steel Baskets

Storing, sterilizing, and drying laboratory equipment

This basket is made from stainless steel, which is autoclavable, resistant to the common laboratory solvents, and can be put in hot air oven (to sterilize the instruments inside the

basket). This product is designed for washing and drying medical and laboratory equipment and is available in two sizes (small and large) in each pack.

GS1 Code	Dimensions (mm)	Qty./ Pack
6260807501337	Small basket: 186 × 183 × 156 Large basket: 200 × 200 × 173	1 set (1 large + 1 small)



## Steel Pipette Canister

Sterilizing pipettes

P.I.P. Pipette Canister is ideal for sterilizing and drying different pipettes. It is made from stainless steel which is resistant to most of the common

laboratory acids and solvents, it is autoclavable and can be put inside a hot air oven. (To see Pipette Rinsing Set, refer to pages 94 and 95).

GS1 Code	Dimensions (Height × Diameter)
6260807500989	395 mm × $\phi$ 69 mm



## Steel Plate Canister

Sterilizing plates

P.I.P. Plate Canister is for sterilizing different plates. It is made from stainless steel which is resistant to common solvents, autoclavable

and can be put inside a hot air oven. In addition, there is a basket for placing plates inside this canister.

GS1 Code	Dimensions (Height × Diameter)
6260807500996	262 mm × $\phi$ 115 mm





## Automatic Pipette/Burette Rinsing Set (Plastic)

Washing pipettes and burettes quickly and safely

P.I.P. Automatic Pipette/Burette Rinsing Set is made from polypropylene and it is ideal for washing pipettes and burettes quickly. This device consists of 3 main parts: pipette/burette washer, pipette jar, and pipette basket. The nozzle is situated on the top rim of the washer and this eliminates back-syphoning as the water inlet is located above and away from any contaminated water. Once water reaches a certain height at the top of the device, it will automatically syphon out via the drain pipe situated at lowest point. Then it refills automatically. The pipette basket is specially designed to keep pipettes/burettes steady and

minimize the risk of breakage while moving them during rinsing process. The pipette jar is used for soaking pipettes/burettes in water or cleaning solutions before washing to improve the washing process. The Automatic Pipette/Burette Rinsing Set is resistant to most of the common laboratory acids and chemicals.

\* Since soaking pipettes/burettes takes a long time, it is recommended to provide several jars and baskets to speed up washing, so that more pipettes/burettes are being prepared in jars while a basket is inside the pipette/burette washer.



GS1 Code	Model	Dimensions
6260807502198	Burette Washer	Diameter: $\phi$ 170 mm Height: 990 mm
6260807502204	Pipette Washer	Diameter: $\phi$ 170 mm Height: 734 mm
6260807502143	Long jar	Diameter: $\phi$ 162 mm Height: 650 mm
6260807502150	Medium jar	Diameter: $\phi$ 162 mm Height: 503 mm
6260807502167	Short jar	Diameter: $\phi$ 125 mm Height: 250 mm
6260807502181	Basket	Diameter: $\phi$ 145 mm Basket height: 300 mm Total height: 497 mm
6260807502174	Basket with long handle	Diameter: $\phi$ 145 mm Basket height: 300 mm Total height: 648 mm
6260807502136	Extension handle for basket	Length: 300 mm



## Automatic Pipette Rinsing Set (Steel)

Washing pipettes quickly and safely

P.I.P. Automatic Pipette Rinsing Set is made from stainless steel for washing different pipettes and some burettes with maximum length of 600mm. This device has a basket and its design prevents pipettes from breakage or damage. It functions proportional to the water pressure; the nozzle is situated on the

top rim and this eliminates back-syphoning as the water inlet is located above and away from any contaminated water. Water constantly flows among pipettes, then it discharges automatically. It is resistant to most of the common laboratory acids and chemicals.

To see Steel Pipette Canister, refer to page 93.

GS1 Code	Dimensions	Weight
6260807500743	Height: 780 mm Opening Diameter: $\phi$ 165 mm Bottom Diameter: $\phi$ 285 mm	3750 g



## Plastic Rinsing Jar

Washing laboratory and medical equipment safely

It is crucial and necessary to wash and cleanse laboratory, medical, and surgical equipment after use, since partial cleaning and leaving residues can affect the patient's test results which probably lead to irreparable effects on the treatment process. It is strongly recommended that the equipment should be immediately washed in jars containing water or detergents to be rinsed in due time. P.I.P. Plastic Rinsing Jars are available in 4 different sizes,

suitable for washing equipment with different lengths. They are made from polypropylene which are resistant to most of the common laboratory acids and chemicals. The wide base of these jars give them great stability.

\* In order to facilitate and speed up the rinsing process, using several jars at the same time is recommended for filling them with water, distilled water, acidic solutions, and detergents.

GS1 Code	Model	Depth	Dimensions	Application
6260807502723	S	230	$\phi$ 128 mm x 265 mm	Washing surgical instruments (Forceps, clamp, etc.)
6260807502730	M	385	$\phi$ 128 mm x 420 mm	Washing pipettes, thermometers, etc.
6260807502747	L	535	$\phi$ 128 mm x 570 mm	Washing pipettes, burettes, etc.
6260807502754	XL	705	$\phi$ 128 mm x 740 mm	Washing burettes







# Devices



## Pole Ideal Tajhiz Co.



Pole Ideal Tajhiz Co. (P.I.T.), is a specialized knowledge base company manufacturing medical and laboratory devices, based on the latest standards. This company was founded in 2010 as a subsidiary of Pole Ideal Pars Co. that has been able to play an important role in meeting the needs of medical, laboratory, research, and educational centers during the recent years.

P.I.T's main perspective has always been concentrating on improving laboratory procedures by developing modern equipment and providing easier, more confident and less expensive solutions. In this regard, continuous investments have been made for accessing state-of-the-art technologies domestically and reduce the need for imports.

Pole Ideal Tajhiz R&D team always tries to promote the existing technologies proportional to different requirements of different areas through feasibility studies, evaluating production potential, and keeping the connection with users in health, research, and industrial sectors.

The standards of quality management system (ISO 9001) and quality management systems of medical devices (ISO 13485) indicate quality control for all stages of production - from designing and providing raw materials to manufacturing, delivery and customer's services. Being entitled a "Knowledge Base" by the Vice-Presidency for Science and Technology indicates the commitment of this company to utilize the latest technologies.



Superior Industrial Unit  
of Tehran-Iran (2017)



Superior Industrial Unit  
of Tehran-Iran (2016)

دانش‌پیان



To view Pole Ideal Tajhiz Standard, Certificates and acknowledgments, please visit our website at

[www.medpit.com](http://www.medpit.com)

[www.medpit.com](http://www.medpit.com)



**Premium**  
CENTRIFUGE **20000**

- 113 Mini Stirrer MS65
- 113 Hot Plate with Magnetic Stirrer
- 114 Universal Centrifuge, PIT320 Series (High Speed)
- 115 Universal Centrifuge, Premium 20000 Series (High Speed)
- 116 Swing-out Rotor 90°, 4,000 rpm
- 118 Swing-out Rotor 90°, 5,000 rpm
- 119 Swing-out Rotor 90°, 4,500 rpm
- 119 Hematocrit Rotor, 15,000 rpm
- 120 Angle Rotor 35°, 6,000 rpm
- 120 Angle Rotor 35°, 9,000 rpm
- 121 Angle Rotor 35°, 12,000 rpm
- 121 Angle Rotor 45°, 14,000 rpm (for PCR Strips)
- 122 Angle Rotor 40°, 15,000 rpm
- 122 Angle Rotor 40°, 20,000 rpm
- 123 Swing-out Rotor 90°, 4,000 rpm
- 123 Swing-out Rotor 90°, 4,000 rpm (cyto)
- 124 Shaking Incubator PIT053RS
- 126 Classic Incubator, PIT053
- 127 Refrigerated Incubator, PIT053R
- 128 Shaker Rotator
- 129 Microplate Shaker
- 130 Rocker Shaker
- 131 Hematology Mixer (Roller Mixer)
- 132 Rotamix PIT090
- 133 Disc Rotors
- 134 Rotamix PIT180
- 135 Rotisserie Rotors
- 136 Vortex Mixer (lab dancer)
- 136 Hematology Cell Counter





## Mini Stirrer MS65

### Mixing fluids

The main advantage of P.I.T. Mini Stirrer is having a very small footprint and being low-power. This product is specially designed to provide high stirring power, despite of being small and laboratory

vessels with maximum diameters of 65mm can be used on this device. It is designed to remain safe in case of liquid spillage.

Technical Data	Max. stirring power	1 W
	Max. stirring capacity	250 ml
	Stirrer speed	100 – 1800 rpm
	Max. ambient humidity	60%
	Input voltage	210 – 230 VAC
	Weight	450 g

GS1 Code	Cat. No.	Dimensions	Plate Diameter
6265738001031	MS65	120 mm x 105 mm x 86 mm	φ 65 mm



## Hot Plate with Magnetic Stirrer

### Mixing fluids and distributing heat uniformly

P.I.P. Hot Plate has a magnetic stirrer and the liquid can be totally mixed by putting a stir bar inside the container. The main body and heating plate are made from robust aluminum. Rotational speed and temperature can be separately controlled and adjusted. Due to the high temperature of the liquid and its fast rotation, safety becomes much more important. Therefore, its control panel is

designed safe from the hot and moving source. However, to provide more safety, a height difference is embedded on the body of the device providing a fluid conducting channel in order to reduce the risk of fluid leakage into the control panel. Its body is impervious and resistant to most of the common laboratory acids and chemicals.

#### Hot Plate Specifications:

- Optimal and uniform temperature distribution
- Resistant to heat shock
- Resistant to oxidation

Technical Data	Temperature range	50-300°C
	Max. stirring power	30 W
	Max. stirring capacity	1.5 Liter
	Stirrer speed	50-1800 rpm
	Max. ambient humidity	60%
	Max. power	700 W
	Input voltage	~220 V
	Weight	3.0 Kg

GS1 Code	Cat. No.	Dimensions	Hot Plate Diameter
6265738000461	PIT300	280 mm x 165 mm x 115 mm	φ 115 mm





15,000  
rpm

## Universal Centrifuges PIT320 Series (high speed)

### Centrifuging samples and separating substances

Universal Centrifuges PIT320 series with high speed up to 15,000 rpm in two models Classic and Cooled is ideal for meeting the major parts of the requirements of laboratories and medical & research centers. These centrifuges with a maximum relative centrifugal force of 21,382 are suitable for separating compounds with a maximum density of 1.2 Kg/dm<sup>3</sup>. Their powerful

brushless electromotor along with a wide range of accessories allow user to centrifuge samples in standard test tubes, microtiter plates, falcon tubes, blood collection tubes, microtubes, and to prepare slides for cytological examinations. Centrifuge lid and body are made from metal and the centrifuging chamber is made from stainless steel.

- 10 programmable memories
- Ability to set and use the centrifuge based on rpm (rotational speed) and RCF (relative centrifugal force)
- Adjustable centrifuging time up to 99':59" and nonstop (unlimited time)
- Adjustable starting and brake steps (the starting and run-down time according to the adjusted speed).
- Ability to change the centrifuge parameters (rotational speed, time, etc.) during operation
- User and equipment error detection system
- Short centrifugation system
- Displaying device lifetime

#### Safety

- Motor-driven lid lock system with smooth, safe and noiseless performance
- Hex key for opening up the lid in time of emergency
- Alarm in case of overheating of the motor
- Balance detector
- Rotor recognition sensor for restricting the rotational speed proportional to the rotor type
- Lid balance system in order to set the lid in different angles

#### Technical Data

Model	PIT320	PIT320R
Rotational Speed	500-15,000 rpm	
Temperature (fluctuation)	-	-5+40°C (±1°C)
Relative Centrifugal Force (RCF)	21,382	
Max. Density	1.2 Kg/dm <sup>3</sup>	
Max. Capacity	4 × 100 ml	
Voltage	210-230 ~ V	
Electric Current	I ≤ 4 A	I ≤ 6.2 A
Frequency	50 Hz	
Max. Kinetic Energy	8,600 Nm	
Max. Power	1,000 w	1,100 w
Ambient Condition	Up to 2000m above sea level. Maximum relative humidity 80% for temperatures up to 31°C, linearly decreasing to 50% relative humidity at 40°C	
Weight	29 kg	52 kg

GS1 Code	Model	Cat. No.	Performance	Dimensions
6265738000027	PIT320	1401	Classic	520 mm × 395 mm × 346 mm
6265738000119	PIT320R	1406	Cooled	695 mm × 401 mm × 346 mm

# 20,000

rpm



## Universal Centrifuges Premium 20000 Series (high speed)

### Centrifuging samples and separating substances

Universal Centrifuges Premium 20000 series with high speed up to 20,000rpm in two models Classic and Cooled is ideal for meeting the major parts of the requirements of laboratories and medical & research centers. These centrifuges with a maximum relative centrifugal force of 25,938 are suitable for separating compounds with a maximum density of 1.2 Kg/dm<sup>3</sup>.

Their powerful brushless electromotor along with a wide range of accessories allow user to centrifuge samples in standard test tubes, microtiter plates, falcon tubes, blood collection tubes, microtubes, and to prepare slides for cytological examinations. Centrifuge lid and body are made from metal and the centrifuging chamber is made from stainless steel.

- 10 programmable memories
- Ability to set and use the centrifuge based on rpm (rotational speed) and RCF (relative centrifugal force)
- Adjustable centrifuging time up to 99:59" and nonstop (unlimited time)
- Adjustable starting and brake steps (the starting and run-down time according to the adjusted speed).
- Ability to change the centrifuge parameters (rotational speed, time, etc.) during operation
- User and equipment error detection system
- Short centrifugation system
- Displaying device lifetime

#### Safety

Motor-driven lid lock system with smooth, safe and noiseless performance  
Hex key for opening up the lid in time of emergency  
Alarm in case of overheating of the motor  
Balance detector  
Rotor recognition sensor for restricting the rotational speed proportional to the rotor type  
Lid balance system in order to set the lid in different angles

#### Technical Data

Model	Premium 20000	Premium 20000R
Rotation Speed	500-20,000 rpm	
Temperature	-	-5 + 40°C (±1°C)
Relative Centrifugal Force (RCF)	25,938	
Max. Density	1.2 Kg/dm <sup>3</sup>	
Max. Capacity	4×100 ml	
Voltage	210-230 ~V	
Electric Current	I ≤ 4 A	I ≤ 6.2 A
Frequency	50 Hz	
Max. Kinetik Energy	8600 Nm	
Max. Power	1000 W	1100 W
Ambient Condition	Up to 2000m above sea level. Maximum relative humidity 80% for temperatures up to 31°C, linearly decreasing to 50% relative humidity at 40°C	
Weight	29 kg	52 kg

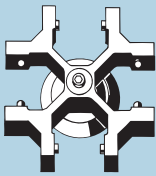













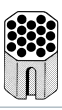


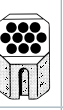
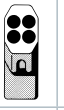


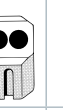


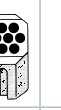
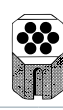
GS1 Code	Model	Cat. No.	Performance	Dimensions
6265738000515	Premium 20000	2401	Classic	520 × 395 × 346 mm
6265738000522	Premium 20000R	2406	Cooled	346 × 401 × 695 mm

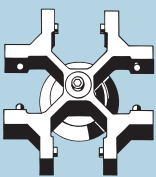








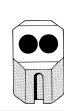
# Swing-out rotor, 4-place

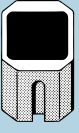









$\Delta 90^\circ$   
 $n = 4,000 \text{ min}^{-1}$   
 $\text{max. RCF } 2,719$



**Cat. No. (without carriers) 1624**

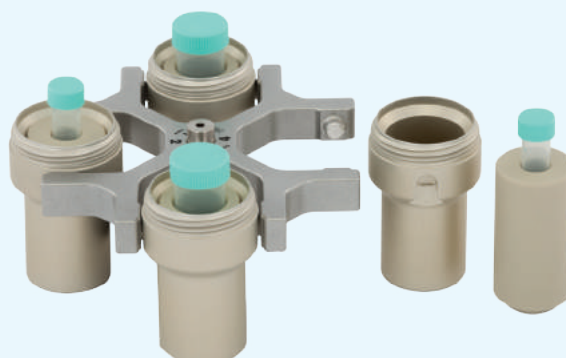
Capacity in ml	5		6	7	9		15		20	25	45	50	1.1-1.4	2.6-3.4	4-5.5
Ø × L in mm	12×75		12×82	12×100	14×100		17×100		21×100	24×100	31×100	34×100	8×66	13×65	15×75
 <b>rotor</b> Cat. No. 1624															
	 with decanting aid		 with decanting aid			+0701 							+0701 	+0716 	
Cat. No.	<b>1369-91</b>	<b>1372</b>	<b>1369-91</b>		<b>1370</b>	<b>1741</b>	<b>1369</b>	<b>1742</b>	<b>1346</b>	<b>1745</b>	<b>1345</b>	<b>1746</b>	<b>1741</b>	<b>1742</b>	
boring Ø × L in mm	12.5×64.4	13.5×65	12.5×71.5		14.6×74	14.6×78	17.6×74	17.6×78	21.5×74	26×78	32×74	35×78	14.6×78	17.6×78	
Tubes per rotor	16	68	16		20	40	16	28	8		4		40	28	
Max. RCF	2,111	2,218	2,361			2,469	2,361	2,504	2,415	2,504	2,415	2,504	2,469	2,379	
Radius in mm	118	124	132			138	132	140	135	140	135	140	138	133	
run-up in sec	20														
run-down in sec, braked	20														
Temperature in °C	-2														

Capacity in ml	4.9	1.6-5	4-7	8.5-10	30
Ø × L in mm	13×90	13×75	16×75	16×100	26×95
 <b>rotor</b> Cat. No. 1624					
		+0716 			
Cat. No.	1741	1742	1369	1745	
boring Ø × L in mm	14.6×78	17.6×78	17.6×74	26×78	
Tubes per rotor	40	28	16	8	
Max. RCF	2,504	2,379	2,361	2,504	
Radius in mm	140	133	132	140	
run-up in sec	20				
run-down in sec, braked	20				
Temperature in °C	-2				

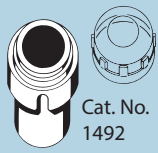






























Capacity in ml	1.5	2.0	1	3	4
Ø × L in mm	11×38	6×45	10×60	12×60	
 <b>carrier</b> Cat. No. 1366					
					
Cat. No.	5277	1357	1327	1326	
boring Ø × L in mm	11.5×38	6.5×23	10.5×23	12.5×44	
Tubes per rotor	36	120	48		
Max. RCF	2,021	2,003	1,986		
Radius in mm	113	112	111		
run-up in sec	20				
run-down in sec, braked	20				
Temperature in °C <sup>1)</sup>	-2				
































# Swing-out rotor, 4-place

$\Delta 90^\circ$   
 $n = 4,000 \text{ min}^{-1}$   
 max.RCF 2,719



**Cat. No. (without carriers) 1624**

Capacity in ml	1.5	2.0	1	3	5/6/7	9	15	25	50	94	100	1.1-1.4	2.7-5	2.6-4.9	4-8.5
Ø x L in mm	11x38		6x45	10x60	12x75/82/100	14x100	17x100	24x100	34x100	38x102	44x100	8x66	11x66/92	13x65/90	15x75/92
 Cat. No. 1492  carrier Cat. No. 1481															
											 rubber insert				
Cat. No.	1351	1339	1343	1383	1329	1330	1331	1396	0761	1457	1383	1459			
boring Ø x L in mm	11.2x38	6.5x34	10.5x43	13.4x48	17.6x91	25.2x87	35.2x87	38.5x92	45.6x98	9x47	13.4x48	15.6x47			
Tubes per rotor	20	108	36	20	16	4				28	20	16			
Max. RCF	2,504	2,647	2,683	2,612	2,594	2,486	2,469	2,665	2,612	2,630	2,612	2,630			
Radius in mm	140	148	150	146	145	139	138	149	146	147	146	147			
run-up in sec	20														
run-down in sec, braked	20														
Temperature in °C <sup>1)</sup>	-2														

Capacity in ml	9-10	10	1.6-7	4-10	15	50	12	25	30	50	10	30	50	85	30
Ø x L in mm	16x92	15x102	13x75/100	16x75/100	17x120	29x115	17x100	25x90	25x110	29x115	16x80	26x95	29x107	38x106	44x105
 Cat. No. 1492 carrier Cat. No. 1481															 chrome bath tube
															 rubber insert
Cat. No.	1329	1329	1383	1348	1347	1384	6311	1363	1365	6318	1348	4417	4416	1396	0765
boring Ø x L in mm	17.6x91		13.4x48	16.5x56	17x90	30x90	17x80	26x72	26x80	29.5x80	16.5x56	26x83	29x93	38.5x92	45.9x98
Tubes per rotor	16		20	16	4						16		4		
Max. RCF	2,594	2,719	2,612	2,576	2,719			2,397	2,719		2,576	2,504	2,683	2,665	2,594
Radius in mm	145	152	146	144	152			134	152		144	140	150	149	145
run-up in sec	20														
run-down in sec, braked	20														
Temperature in °C	-2														

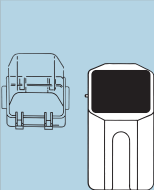















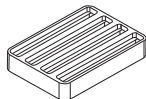


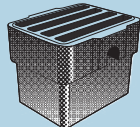
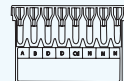
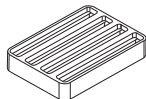
# Swing-out rotor, 4-place




















$\Delta 90^\circ$   
 $n = 5,000 \text{ min}^{-1}$   
 max.RCF 4,193



**Cat. No. (without carriers) 1494**

Capacity in ml	5	2.6-3.4	4.9	1.6-5	4 - 7	7	4.5-5	15	8.5 - 10	9-10	4 - 7	RST (Rapid Serological Test)	
Ø × L in mm	12×75	13×65	13×90	13×75	13×100	12×100	11×92	17×100	16×100	16×92	16×75		
 <b>carrier</b> Cat. No. 1427													
													
	<b>Cat. No.</b>					<b>1732</b>		<b>5230</b>		<b>5231</b>		<b>5271</b>	
	boring Ø × L in mm					13.4×58		12.4×87		17.8×87		17×66	
	Tubes per rotor					32		48		24		20	
Max. RCF					4,025		3,941		3,969				
Radius in mm					144		141		142				
run-up in sec					32								
run-down in sec, braked					32								
Temperature in °C					-2								

 <b>carrier</b> Cat. No. 1480		
		
	<b>Cat. No.</b>	<b>1480 A</b>
	boring L × W in mm	74.8 × 4
	Tubes per rotor	16
Max. RCF	2,515	
Radius in mm	90	
run-up in sec	42	
run-down in sec, braked	32	
Temperature in °C	-2	

Capacity in ml	1.5	2.0	5	6	7	9	15	1.6-5	4-7	4-7	8.5-10	15	50	50	
Ø × L in mm	11×38		12×75	12×82	12×100	14×100	17×100	13×75	13×100	16×75	16×100	17×120	29×115	29×115	
  carrier Cat. No. 1425															
															
	1444		1438	1434	1431		1438	1441		1442	1443	1737			
	boring Ø × L in mm		11.5×38	13.4×50	12.7×60		17.5×84		13.4×50		16.5×50		17×90	30×90	30×90
	Tubes per rotor		36	28	48		28						4		
Max. RCF	3,885		3,913									4,081			
Radius in mm	139		140									146			
run-up in sec	32														
run-down in sec, braked	32														
Temperature in °C	-2														

## Swing-out rotor, 4-place

## Hematocrit rotor, 24-place

$\Delta 90^\circ$   
 $n = 4,500 \text{ min}^{-1}$   
 max. RCF 3,328



















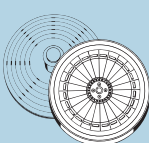

$n = 15,000 \text{ min}^{-1}$   
 max. RCF 21,382



Cat. No. (without carriers) **1324**

Cat. No. **1650**

Capacity in ml	4-5.5	4-7	9	9-10	10	12	15	15	50	50
Ø × L in mm	15x75	16x75	14x100	16x92	15x102	17x100	17x100	17x120	29x115	29x115
 <b>carrier</b> Cat. No. <b>1398</b>										
	+2 x 0716 	+ 0716 								
<b>Cat. No.</b>	<b>1482A</b>							<b>1483A</b>	<b>1484</b>	<b>1484<sup>1)</sup></b>
boring Ø × L in mm	17.5x81							17x100	30x98	
tubes per rotor	16							16	4	
max. RCF	2,875	3,034	3,192					3,305	3,260	
radius in mm	127	134	141					146	144	
run-up in sec	37									
run-down in sec, braked	39									
Temperature in °C	-2									

Standard capillaries, heparinised	Basic	Self-sealing and mylar-coated
 <b>rotor</b> Cat. No. <b>1650</b>		
	Sealing putty	
Cat. No.	<b>2077</b>	-
boring $\emptyset \times L$ in mm	-	
capillaries per rotor	24	
Max. RCF	21,382	
Radius in mm	85	
run-up in sec	12	
run-down in sec, braked	12	
Temperature in °C	-1	
























$\Delta 35^\circ$   
 $n = 6,000 \text{ min}^{-1}$   
 max. RCF 4,146































$\Delta 35^\circ$   
 $n = 9,000 \text{ min}^{-1}$   
 max. RCF 9,509



Cat. No.1620A

Capacity in ml	4	5	6	15	1.1-1.4	2.6-3.4	2.7-3	4.5-5	4.9	7.5-10	10	1.6-5	4-7	8-10	15
Ø × L in mm	10×88	12×75	12×82	17×100	8×66	13×65	11×66	11×92	13×90	15/16×92	15×102	13×75	13×100	16×100/125	17×120
 <p><b>rotor</b> Cat. No. 1613</p>															
															
<b>Cat. No.</b>	<b>6305</b>	<b>1054-A</b>	-			<b>1054-A</b>				-		<b>1054-A</b>	<b>1058</b>	-	
boring Ø × L in mm	11.5×67.5	13.5×60		17.7×88		13.5×60				17.7×88		13.5×60	13.5×79		17.7×88
Tubes per rotor						12						12	12	12	6
Max. RCF	3,502	3,300		4,146		3,300				4,146		3,300			4,146
Radius in mm	87	82		103		82				103		82			103
run-up in sec								15							
run-down in sec, braked								15							
Temperature in °C								-5							

Capacity in ml	1.5	2.0	15	50	75	94	7.5-8.5	9-10	10	8.5-10	15	50	10	30	50	85	
Ø × L in mm	11×38		17×100	34×100	35×105	38×102	15×92	16×92	15×102	16×100	17×120	29×115		16×80	26×95	29×107	38×106
  <b>rotor</b> Cat. No. <b>1620A</b>																	
																	
<b>Cat. No.</b>	<b>1449</b>		<b>1451</b>	<b>1463</b>		-	<b>1451</b>				<b>1466</b>	<b>1454</b>	<b>1646</b>	<b>1448</b>	<b>1447</b>	<b>1446</b>	-
boring Ø × L in mm	11.4×39		17.5×92	35×89	38.6×90.2		17.5×92				17×106	29.8×97	-	16.5×74	26×85	29×92	38.6×90.2
Tubes per rotor	24		6	6	6		6				6	6	6	12	6		
Max. RCF	9,237		8,784	9,327	9,509		8,784				8,965			8,784	8,603	9,056	9,509
Radius in mm	102		97	103	105		97				99			97	95	100	105
run-up in sec	30																
run-down in sec, braked	30																
Temperature in °C	-2																

## Angle rotor, 12-place

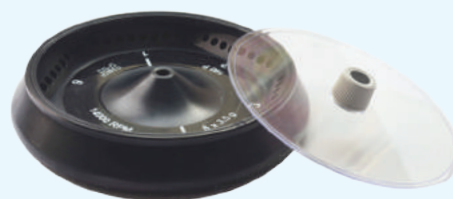
$\Delta 35^\circ$   
 $n = 12,000 \text{ min}^{-1}$   
 max. RCF 16,582



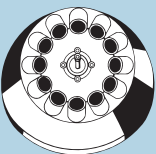





















**Cat. No. 1615**

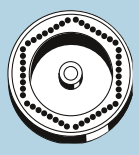


## Angle rotor, 6-place, for PCR strips\*

$\Delta 45^\circ$   
 $n = 14,000 \text{ min}^{-1}$   
 max. RCF 20,817



**Cat. No. 160P**

Capacity in ml	4	5	6	15	1.1-1.4	2.6-3.4	2.7-3	4.5-5	4.9	7.5-10	10	1.6-5	4-7	8-10	15
Ø x L in mm	10x88	12x75	12x82	17x100	8x66	13x65	11x66	11x92	13x90	15x16x92	15x102	13x75	13x100	16x100x125	17x120
															
<b>rotor</b> Cat. No. 1615															
<b>Cat. No.</b>	<b>6305</b>	<b>1054-A</b>	-	<b>1054-A</b>								<b>1054-A</b>	<b>1058</b>	-	<b>1647</b>
boring Ø x L in mm	11.5x67.5	13.5x60	17.7x88	13.5x60						17.7x88		13.5x60	13.5x79	17.7x88	17x104
Tubes per rotor				12								12	12	12	6
Max. RCF	14,006	13,201	16,582	13,201						16,582		13,201	16,582	16,582	15,455
Radius in mm	87	82	103	82						103		82	103	103	96
run-up in sec								40							
run-down in sec, braked								40							
Temperature in °C								-1							

Capacity in ml	0.2	0.2
Ø x L in mm	6x18	-
Cat. No.	-	PCR strips
		
<b>rotor</b> Cat. No. 160P		
<b>Cat. No.</b>	-	
boring Ø x L in mm	6.5x20	
Tubes per rotor	48	6x8
Max. RCF	20,817	
Radius in mm	95	
run-up in sec	39	
run-down in sec, braked	44	
Temperature in °C	-2	



**Cat. No. 8008**

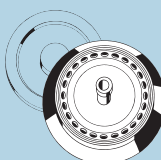








\*Rotor 160P is useful only in Cooled Centrifuges.

## Angle rotor, 12-place\*

$\Delta 40^\circ$   
 $n = 20,000 \text{ min}^{-1}$   
 max.RCF 25,938

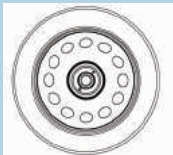










Cat. No. 200 P

Capacity in ml	0.2	0.4	0.5	0.8	1.5	2.0
Ø x L in mm	6x18	6x45	8x30	8x45	11x38	
 <p><b>rotor</b> Cat. No. 1420-A</p>						
						
<b>Cat. No.</b>	<b>2024</b>		<b>2023</b>		-	-
boring Ø x L in mm	6.2x40		8.2x40		11.2x40	
Tubes per rotor	24					
Max. RCF	21,382					
Radius in mm	85					
run-up in sec	25					
run-down in sec, braked	25					
Temperature in °C	-2					



Cat. No. 8006

Capacity in ml	0.2	0.4	0.5	0.8	1.5	2.0
Ø × L in mm	6×18	6×45	8×30	8×45	11×38	
 <b>rotor</b> Cat. No. <b>200P</b>						
						
	<b>Cat. No.</b>	<b>2204</b>		<b>2203</b>		-
boring Ø × L in mm	6.2×40		8.2×40		11.2×40	
Tubes per rotor	12					
Max. RCF	25,938					
Radius in mm	58					
run-up in sec	25					
run-down in sec, braked	25					
Temperature in °C	-2					



Cat. No. 8009

\*Rotor 200P is useful only in Premium series.



## Swing-out rotor, 2-place

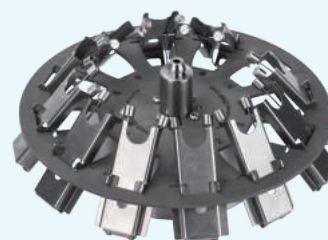
$\Delta 90^\circ$   
 $n = 4,000 \text{ min}^{-1}$   
 max.RCF 2,218



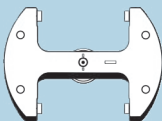










**Cat. No. 1460**







## Swing-out rotor, 12-place

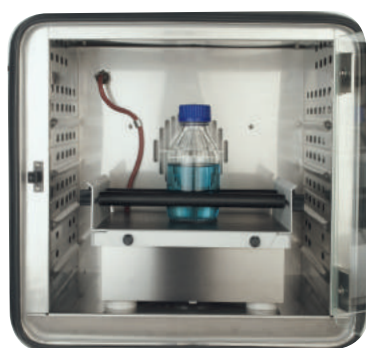
$\Delta 90^\circ$   
 $n = 2,000 \text{ min}^{-1}$   
 max.RCF 470



**Cat. No. JC 301P**

D x W x H in mm	86x128x15/17.5		86x128x22	86x128x44.5	86x128x46	86x128x83	59x84x11	82x124x20	-
Capacity in ml									0.2
 <b>rotor</b> Cat. No. <b>1460</b>									
									
<b>Cat. No.</b>	<b>1453 - A</b>								
boring Ø x L in mm	-							-	-
Tubes per rotor	10	8	6	2	2	2	4	2	24x8
Max. RCF	2,218								
Radius in mm	124								
run-up in sec	39								
run-down in sec, braked	39								
Temperature in °C	-2								

<b>Disposable cyto chambers</b>			
<b>Cat. No.</b>	<b>1531</b>	<b>1530</b>	<b>1535</b>
<b>Filter cards/seals</b>			
<b>Cat. No.</b>	<b>1531F</b>	<b>1530F</b>	<b>1535F</b>
Chambers per rotor	12		
Max. RCF	470		
run-up in sec	20		
run-down in sec, braked	20		
Temperature in °C	-2		



## Shaking Incubator PIT053RS

Providing optimum incubation conditions with shaking possibility

Refrigerated Incubator PIT053R provides safe and optimum incubation conditions for factors affecting growth, ideal for meeting the needs of microbiology, biotechnology, food industry, and research institutes. This Incubator has a temperature range from  $-5^{\circ}\text{C}$  to  $100^{\circ}\text{C}$  with a temperature fluctuation of  $\pm 0.1^{\circ}\text{C}$ . There is an electric fan with digitally adjustable speed for exact attainment and maintenance of the desired temperature accuracy. Two important temperature technologies have been combined to achieve perfect temperature control, so that it satisfies the unique prerequisites for attaining

heating and cooling, highly precise temperature control, and short recovery times after opening the door. The inner glass door in these incubators ensures that the temperature remains constant when observing the Shaker and the incubation process which is important for rapid restoration of optimum growth conditions after opening the door. In addition, this incubator provides almost unlimited possibilities for adaptation to individual customer requirements based upon extensive programming options and on the week program timer and real time clock (day) of the controller.

- Usable with and without the Shaker
- Easy application with beautiful design (large LCD display)
- Week and day programs
- Programming with set-point ramp
- Time – temperature graph
- With safety controller mode to prevent the unwanted temperature increase and losing samples
- With inner glass door to keep the temperature constant when observing the Shaker and the incubation process
- Inner chamber made from stainless steel
- Microprocessor controller for precise temperature control
- Adjustable circulation fan speed for homogenizing the temperature in the inner chamber
- Double insulation system in order to reduce heat transfer and increase efficiency
- Cooling system with Non-Cut mechanism
- With 2 stainless steel trays and adjustable distance
- Features mechanical mechanisms to maintain the balance in case of asymmetric loading
- Possibility of connecting to printer (on request)
- Possibility of connecting to computer (on request)

### Shaker Specifications:

- Noiseless rotation system
- Safety of the sensitive parts against possible pouring of the fluids being tested
- Balanced while running, due to the low center of gravity
- Erlenmeyer flask holder and friction sheet for sample containers
- Linear or orbital rotation modes (on request)



Stainless Steel Internal Body



Adjustable Circulation Fan Speed



Incubator Technical Data	Temperature range without Shaker	-5+100°C
	Temperature range with Shaker	+4+50°C
	Capacity (without Shaker)	53 L
	Temperature fluctuation	± 0.1°C
	Voltage	210 - 230 V
	Frequency	50 Hz
	Power	400 W
	Weight (approx.)	72 Kg

Shaker Technical Data	Motion type	Orbital or linear (on request)
	Motion range of tray	10 mm
	Max. loading capacity	3 Kg
	Input / output power	10 - 45 W
	Voltage	210 - 230 VAC
	Frequency	50 Hz
	Max. running time	unlimited
	Speed range	20 - 220 rpm
	Speed display	Digital
	Timer	0 - 99:59' / ∞
	Timer display	Digital
	Function type	Time limited or unlimited time
	Outer dimensions without tray	290 mm x 290 mm x 110 mm
	Outer dimensions with tray	345 mm x 318 mm x 180 mm
	Max. permissible relative humidity	60%
	Weight (approx.)	8 Kg

GS1 Code	Inner dimensions	Outer dimensions
6265738001048	330 mm x 400 mm x 400 mm	646 mm x 635 mm x 836 mm



### Classic Incubator PIT053

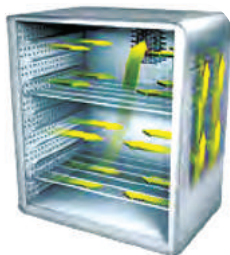
Providing optimum incubation conditions from ambient temperature to 100°C

Classic Incubator PIT053 provides safe and optimum incubation conditions for factors affecting growth, ideal for meeting the needs of microbiology, biotechnology, food industry, and research institutes. This incubator has a temperature range from ambient temperature to 100°C with a temperature fluctuation of  $\pm 0.1^\circ\text{C}$ . There is an electric fan with digitally adjustable speed for exact attainment and maintenance of the desired temperature accuracy. The inner glass door in these incubators ensures that the temperature remains constant when observing the incubation process which is important for rapid restoration of optimum growth conditions after opening the door. In addition, this incubator provides almost unlimited possibilities for adaptation to individual customer requirements based upon extensive programming options and on the week program timer and real time clock (day) of the controller.

- Easy application with beautiful design (large LCD display)
- Week and day programs
- Programming with set-point ramp
- Time - temperature graph
- Safety controller mode to prevent the unwanted temperature increase and losing samples
- Inner glass door to keep the temperature constant when observing the incubation process
- Inner chamber made from stainless steel
- Microprocessor controller for precise temperature control
- Adjustable circulation fan speed for homogenizing the temperature in the inner chamber
- Double insulation system in order to reduce heat transfer and increase efficiency
- With 2 stainless steel trays and adjustable distance
- Features mechanical mechanisms to maintain the balance in case of asymmetric loading
- Possibility of connecting to printer (on request)
- Possibility of connecting to computer (on request)



Stainless Steel Internal Body



Adjustable Circulation Fan Speed

Technical Data	Temperature range	Ambient temperature to 100°C
	Temperature fluctuation	$\pm 0.1^\circ\text{C}$
	Voltage	210-230 V
	Frequency	50 Hz
	Power	450 W
	Capacity	53 L
	Weight (approx.)	52 Kg

GS1 Code	Inner dimensions	Outer dimensions
6265738000478	330 mm × 400 mm × 400 mm	646 mm × 635 mm × 836 mm



## Refrigerated Incubator PIT053R

Providing optimum incubation conditions from -5°C to 100°C

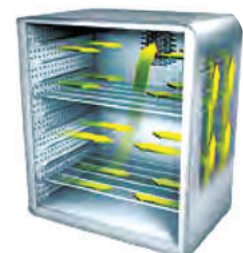
Refrigerated Incubator PIT053R provides safe and optimum incubation conditions for factors affecting growth, ideal for meeting the needs of microbiology, biotechnology, food industry, and research institutes. This Incubator has a temperature range from -5°C to 100°C with a temperature fluctuation of  $\pm 0.1^\circ\text{C}$ . There is an electric fan with digitally adjustable speed for exact attainment and maintenance of the desired temperature accuracy. Two important temperature technologies have been combined to achieve perfect temperature control, so that it satisfies the unique prerequisites for attaining

heating and cooling, highly precise temperature control, and short recovery times after opening the door. The inner glass door in these incubators ensures that the temperature remains constant when observing the incubation process which is important for rapid restoration of optimum growth conditions after opening the door. In addition, this incubator provides almost unlimited possibilities for adaptation to individual customer requirements based upon extensive programming options and on the week program timer and real time clock (day) of the controller.

- Easy application with beautiful design (large LCD display)
- Week and day programs
- Programming with set-point ramp
- Time - temperature graph
- Safety controller mode to prevent the unwanted temperature increase and losing samples
- Inner glass door to keep the temperature constant when observing the incubation process
- Inner chamber made from stainless steel
- Microprocessor controller for precise temperature control
- Adjustable circulation fan speed for homogenizing the temperature in the inner chamber
- Double insulation system in order to reduce heat transfer and increase efficiency
- Cooling system with Non-Cut mechanism
- With 2 stainless steel trays and adjustable distance
- Features mechanical mechanisms to maintain the balance in case of asymmetric loading
- Possibility of connecting to printer (on request)
- Possibility of connecting to computer (on request)



Stainless Steel Internal Body



Adjustable Circulation Fan Speed

Technical Data	Temperature range	-5 to 100°C
	Temperature accuracy	$\pm 0.1^\circ\text{C}$
	Voltage	210-230 V
	Frequency	50 Hz
	Power	650 W
	Capacity	53 L
	Weight (approx.)	72 Kg

GS1 Code	Inner dimensions	Outer dimensions
6265738000454	330 mm × 400 mm × 400 mm	646 mm × 635 mm × 836 mm





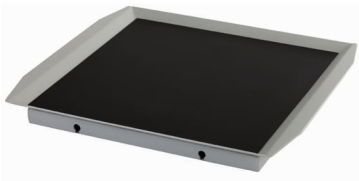
Shaker Rotator

Blending and mixing a wide range of fluids

Shaker Rotator PIT10LO is designed for general and specialized applications. This device is a basic equipment in all medical, petroleum, food analysis, educational, and chemical laboratories. Due to appropriate technical

properties such as high capacity and various accessories, this shaker makes it possible to blend and mix a wide range of liquids which meets the requirements of many related tests.

- Ergonomic and beautiful design
- Noiseless rotation system
- Digital display
- Safety of the sensitive parts against possible spillage of the fluids being tested
- Balanced while running, due to the low center of gravity
- Different trays for containers with different sizes
- Possibility of connecting to computer
- Linear or orbital rotation modes (on request)



Petri Dish Tray



Universal Tray



Separatory Funnel Tray

Technical Data	Motion type	Orbital or linear (on request)
	Motion range of tray	10 mm
	Max.loading capacity	7.5 Kg (speed function)
	Max Input / Output power	10 - 45 W
	Voltage	210 - 230 VAC
	Frequency	50 Hz
	Max. running time	unlimited
	Speed range	20 - 500 rpm
	Speed display	Digital
	Timer	0 - 99:59' / ∞
	Timer display	Digital
	Function type	Time limited or unlimited time
	Ambient permissible temperature	5 - 50°C
	Max. permissible relative humidity	80%

GS1 Code	Model	Cat. No.	Dimensions (mm)
6265738000485	Shaker Rotator	PIT10LO	420 x 360 x 100 (without tray)
6265738000720	Petri dish tray	AS 260.3	410 x 370 x 33
6265738000744	Universal tray	AS 260.1	425 x 334 x 135
6265738000737	Separatory funnel tray	AS 260.5	425 x 334 x 135



## Microplate Shaker

Blending and combining a wide range of fluids inside microplates

Microplate Shaker PIT3.0 is designed for general and specialized applications. This device is a basic equipment in all medical, petroleum, food analysis, educational, and chemical laboratories. This shaker makes it possible to blend and combine a wide range of liquids inside microplates which meets the requirements of many related tests.

- Rotation speed from 80 to 1100 rpm
- With 6 compartments on the tray for microplates
- Ergonomic and beautiful design
- Noiseless rotation system
- Digital display
- Safety of the sensitive parts against possible spillage of the fluids being tested
- Balanced while running
- Possibility of connecting to computer

Technical Data	Motion type	Orbital
	Motion range of tray	3 mm
	Permissible number of microplates on the tray (speed function)	6
	Max Input / Output power	10 - 45 W
	Voltage	210 - 230 VAC
	Frequency	50 Hz
	Max. running time	unlimited
	Speed range	80 - 1100 rpm
	Speed display	Digital
	Timer	0 - 99':59" / ∞
	Timer display	Digital
	Function type	Time limited or unlimited time
	Ambient permissible temperature	5 - 50°C
	Max. permissible relative humidity	80%
	Weight (approx.)	9 kg

GS1 Code	Cat. No.	Dimensions (mm)
6265738001017	PIT3.0	420 × 360 × 105



## Rocker shaker

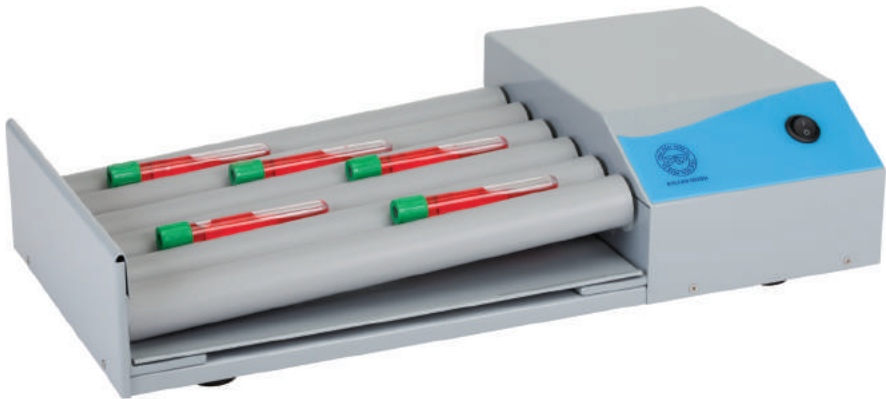
### Blending and mixing a wide range of fluids

Rocker shaker PIT16D is designed for general and specialized applications. This device is a basic equipment in all medical, petroleum, and food analysis, educational and chemical laboratories. According to appropriate capacity, this shaker makes it possible to blend and combine a wide range of liquids inside different containers and also meets the requirements for many related tests.

- Rotation speed from 5 to 80 rpm
- Blending liquids with rocking movement
- Noiseless mechanical system
- Digital display
- Balanced while running Ergonomic and beautiful design
- Possibility of connecting to computer
- Safety of the sensitive parts against possible spillage of the fluids being tested

Technical Data	Motion type	rocking
	Motion range of tray (rocking angle fixed)	16°
	Max. symmetrical loading capacity	5.0
	Max. running time	unlimited
	Function type	Time limited or unlimited time
	Speed range	5-80 rpm
	Speed display	digital
	Timer	0 - 99:59' / ∞
	Timer display	0 - 99:59' / ∞
	Outer dimensions	420 × 360 × 130 mm
	Maximum input/ output power	10 - 45 W
	Voltage	210 - 230 VAC
	Frequency	50 HZ
	Weight(approx.)	8.8 Kg
	Ambient permissible temperature	5-50

GS1 Code	Model	Cat No.	Dimensions
6265738001239	Rocker shaker	PIT 16D	420 × 360 × 130



## Hematology Mixer (Roller Mixer)

Mixing and keeping the laboratory suspensions uniform

P.I.P. Roller Mixer has 6 rollers for mixing blood specimens, high viscosity samples, suspensions, etc. One of the functional properties of this device is its simultaneous rotational and vertical motion of the rollers. The roller dimensions and the distances between them make the instrument usable

with different tubes and cylindrical bottles. A washable protective tray is designed under the rollers in order for easy cleaning in case of sample spillage. P.I.P. Roller Mixer is resistant to most of the common laboratory acids and chemicals.

Technical Data	Vertical motion range	~20 mm
	Roller dimensions (diameter × length)	φ32 mm × 320 mm
	Rotation speed	60 rpm
	Voltage	220 V
	Frequency	50 Hz
	Max. power	20 W
	Weight (approx.)	6,600 g

GS1 Code	Cat No.	Dimensions
6265738000492	PITR6B	500 mm × 260 mm × 120 mm



## Rotamix PIT090

Mixing samples with different viscosities

Rotamix PIT090 is one of the basic devices for all laboratories to mix liquid samples with different viscosities. The rotation speed is adjustable from 10 to 80 rpm and the angle of the disc rotor can also be adjusted from 0 to 90°. There are various disc rotors with different clips for this tube rotator to grip test

tubes from 1.5 to 50 ml. Rota mix PIT090 is ideal for general applications in medical, research, and industrial laboratories due to supporting different tubes and adjustable rotation time and speed. Rotamix PIT090 can be used in cold environments or inside incubators (5-40°C).

- Ergonomic and beautiful design
- Noiseless rotation system
- Adjustable rotation speed and time
- Emergency stop (by pressing STOP key twice)
- LCD display safety in case of liquids and solvents spillage

Technical Data	Rotation speed	10-80 rpm
	Rotor angel range	0-90°
	Voltage	210-230 V
	Frequency	50 Hz
	Max. power	10 W
	Display	LCD
	Timer range	99 : 59' : 59"
	Permissible ambient temperature	5 - 40°C
	Max. relative humidity	80%
	Weight (approx.)	6.5 Kg

GS1 Code	Cat.No.	Dimensions
6265738000430	PIT090	225 mm × 188 mm × 250 mm



Various rotors



Clips for different tubes



Rotational motion



Adjustable rotation time

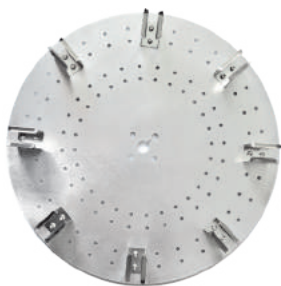


Adjustable rotation speed



Adjustable rotor angle time





CR8



CR16



CR60



DS28P



DS25P



DS16P



DS12P

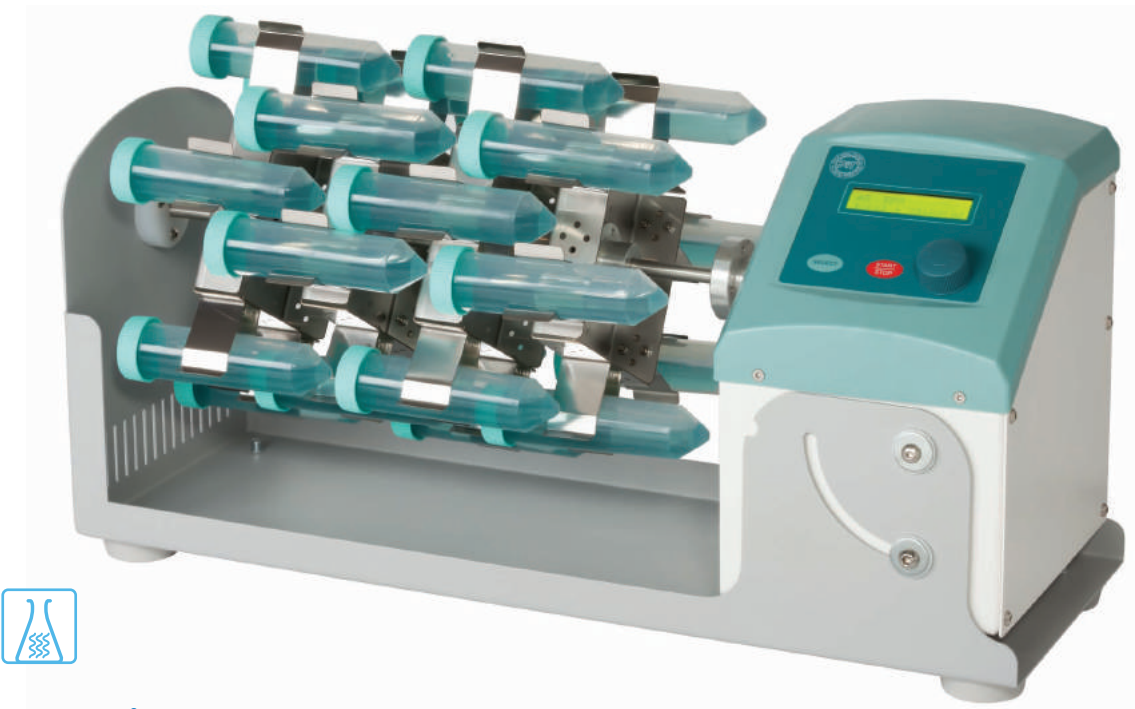


DS10P

## Disc Rotors

Rotamix PIT090 with 8 disc rotors is suitable for different test tubes from 1.5 ml microtubes to 50 ml tubes.

GS1 Code	Rotor code	tubes	Clips code	Clips material
6265738000539	CR60	60 ×1.5 ml	-	Metal
6265738000546	CR16	16 ×15ml	-	Metal
6265738000553	CR8	8 ×50 ml	-	Metal
6265738001000	DS10P	36 ×1.5 ml	C10	Plastic
6265738000997	DS12P	24 ×5 ml	C12	Plastic
6265738000980	DS16P	12 ×15 ml	C16	Plastic
6265738000973	DS25P	12 ×30 ml	C25	Plastic
6265738000966	DS28P	12 ×50 ml	C28	Plastic



# Rotamix PIT180

## Mixing samples with different viscosities

Rotamix PIT180 is one of the basic devices for all laboratories to mix liquid samples with different viscosities. The rotation speed is adjustable from 10 to 80 rpm. There are various rotisserie rotors with different clips for this tube rotator to grip test tubes from 1.5 to 50 ml. Rotamix PIT180 is

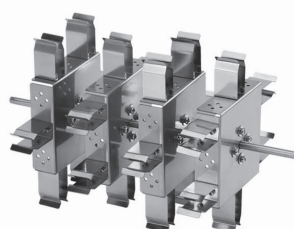
ideal for general applications in medical, research, and industrial laboratories due to supporting different tubes and adjustable rotation time and speed. Rotamix PIT180 can be used in cold environments or inside incubators (5-40°C).

- Ergonomic and beautiful design
- Noiseless rotation system
- Adjustable rotation speed and time
- Emergency stop (by pressing STOP key twice)
- LCD display safety in case of liquids and solvents spillage

Technical Data	Rotation speed	10-80 rpm
	Voltage	210-230 V
	Frequency	50 Hz
	Max. Power	10 W
	Display	LCD
	Timer range	99 : 59' : 59"
	Permissible ambient temperature	5 - 40°C
	Max. relative humidity	80%
	Weight (approx.)	8 Kg

GS1 Code	Cat.NO.	Dimensions
6265738000447	PIT180	520 mm × 225 mm × 250 mm

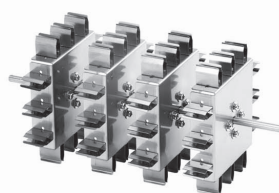




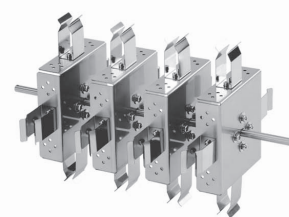
SHL24



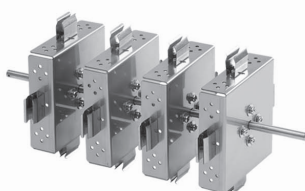
SHM24



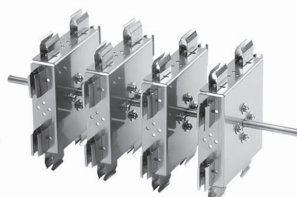
SH48



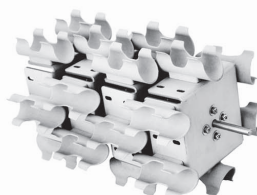
SVL16



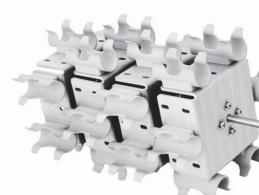
SVM16



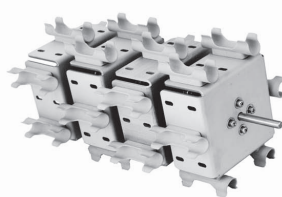
SV32



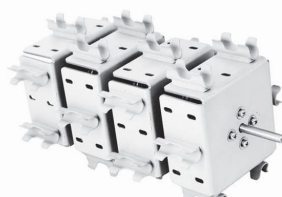
SH28P



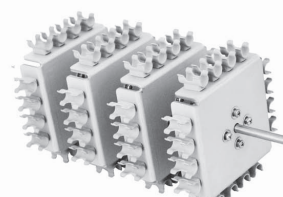
SH25P



SH16P



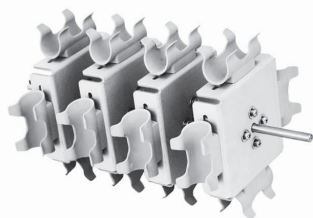
SH12P



SH10P



SV28P



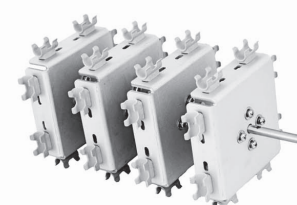
SV25P



SV16P



SV12P



SV10P

## Rotisserie Rotors

Rotamix PIT180 with 16 rotors for different test tubes from 1.5 microtubes to 50 ml tubes.

GS1 Code	Rotor code	tubes	Clamp code	Clamp material
6265738000560	SH48	48×1.5 ml	-	Metal
6265738000577	SHM24	24×15 ml	-	Metal
6265738000584	SHL24	24×50 ml	-	Metal
6265738000591	SV32	32×1.5 ml	-	Metal
6265738000607	SVM16	16×15 ml	-	Metal
6265738000614	SVL16	16×50 ml	-	Metal
6265738000621	SH10P	64×1.5 ml	C10	Plastic
6265738000676	SV10P	32×1.5 ml	C10	Plastic
6265738000638	SH12P	24×5 ml	C12	Plastic
6265738000683	SV12P	16×5 ml	C12	Plastic
6265738000645	SH16P	24×15 ml	C16	Plastic
6265738000690	SV16P	16×15 ml	C16	Plastic
6265738000652	SH25P	24×30 ml	C25	Plastic
6265738000706	SV25P	16×30 ml	C25	Plastic
6265738000669	SH28P	24×50 ml	C28	Plastic
6265738000713	SV28P	16×50 ml	C28	Plastic



# Vortex Mixer (lab dancer)

Mixing small amounts of specimen with a touch function



P.I.T. Vortex Mixer is small, compact and reliable. Mixing action starts by pressing a tube on the upper part of the device into the hole. Different test tubes and centrifuge tubes (generally with a maximum diameter of 30mm) can be used with this Vortex Mixer. It has an orbital motion with a rotational speed of 2,600 rpm. The quality and structure of its body has made this product resistant to most of the common laboratory acids and chemicals.

Technical Data	Motion type	Orbital
	Motion range	φ 4.5 mm
	Permissible weight (with tube)	100 g
	Speed	2600 rpm
	Permissible ambient temperature	+5+40°C
	Function type	Keyless (by pressing a tube on the upper part of the device)
	Frequency	50 Hz
	Weight	800 g

GS1 Code	Cat.No.	Dimensions (Bottom diameter x Height)
6265738000508	LD8809	105 mm x φ 90 mm

# Hematology Cell Counter

Manual differential counter



P.I.T. Hematology Cell Counter is made according to the international standards. It has an ergonomic keyboard which consists of 10 keys as Poly, Mono, Eos, nRbc, Baso, Band, Meta, Myeto, L.V.F, and Lymph for required parameters in Diff function. This device has audio alarm (after counting 100 white blood cells) and the percentage of required parameters can be calculated simply by pressing the related key. In addition, counting stops automatically after reaching 100 cells. Therefore, in the event of pressing a key mistakenly, it will not disrupt the calculations. Yet, user can get the reticulocyte count and the actual number of leukocytes using the secondary keys %True Retic and True WBC.

Technical Data	Display	LCD- 16 x 2 character
	Display dimensions	62 mm x 13 mm
	Voltage	5 V
	Weight	365 gr

GS1 Code	Cat No.	Dimensions
6265738000010	RC902	205 mm x 135 mm x 55 mm



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