



PREANALYTICAL SYSTEM

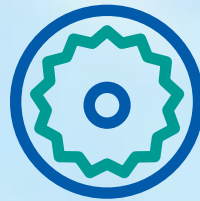
PRODUCT CATALOG

About **IMPROVE**



100

Products and services covering more than 100 countries and regions



19

18 subsidiaries in China including HK + 1 overseas subsidiaries in US



1996

Founded in 1996, dedicated to develop preanalytical system products and clinical diagnostic laboratory products, offering solution for clinical diagnostic laboratory





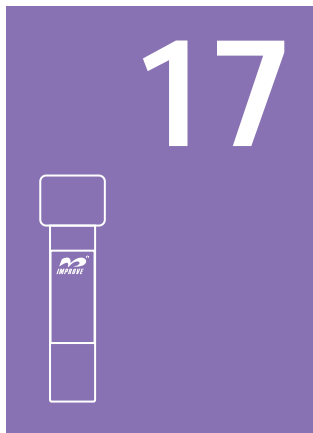
TABLE OF CONTENTS



01-16

Evacuated Blood Collection System

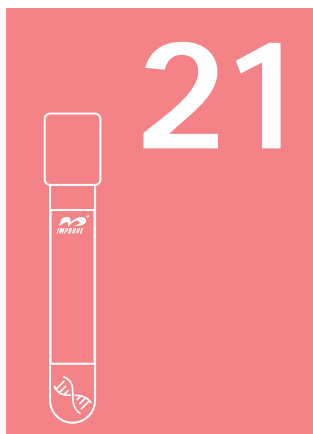
IMPROVACUTER® Evacuated Blood Collection Tubes
IMPROVACUTER® Blood Collection Needles
IMPROSAFE® Blood Collection Needles
Accessories



17-20

IMPROMINI® Capillary Blood Collection System

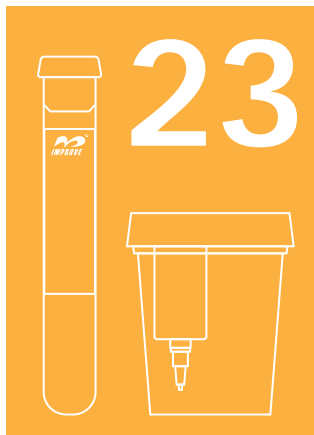
Capillary Blood Collection Tubes



21-22

IMPROGENE® Liquid Biopsy PAS

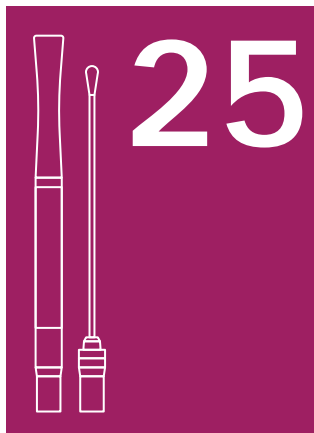
Cell Free DNA Tubes



23 - 24

**IMPROVACUTER®
Urine Collection System**

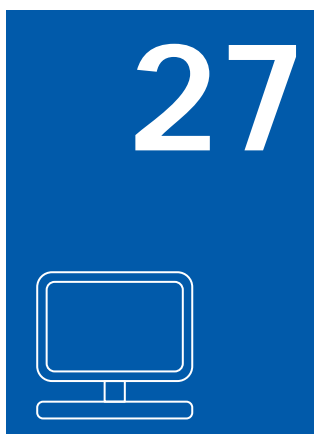
Urinalysis Tubes
Urine Culture Tubes
Urine Collection Container



25 - 26

**IMPROSWAB®
Microbiology Transport System**

Microbiological Transport Swabs
Disposable Swabs



27 - 28

**More Product Lines of
IMPROVE Group**

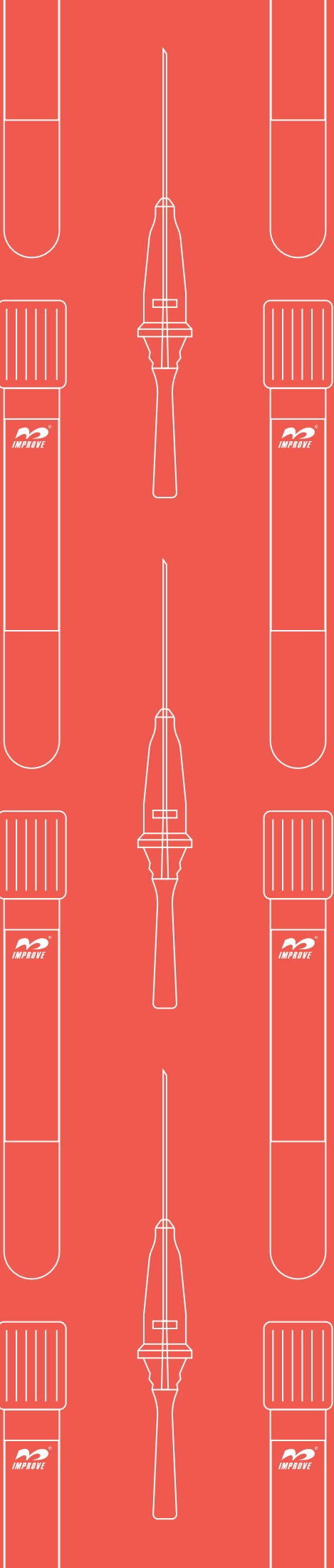
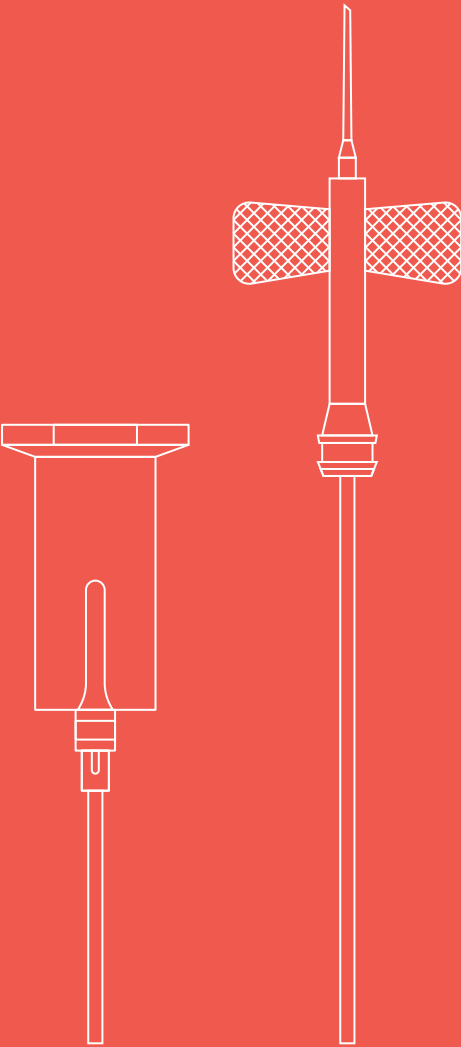
Evacuated Blood Collection System

IMPROVACUTER® Evacuated Blood Collection Tubes

IMPROVACUTER® Blood Collection Needles

IMPROSAFE® Blood Collection Needles

Accessories



Gel & Clot Activator Tubes

IMPROVACUTER® Gel & Clot Activator Tubes offer serum for determinations in chemistry and serology. The gel is very stable in physical and chemical features. After centrifugation, the gel can effectively separate the serum from blood cells, preventing substance exchange between blood cells and serum. So, serum could be aspirated directly from the collection tube, no need to transfer to another container.



***FDA 510(k) cleared | # K093910**

Product Code	Vol. (ml)	Tube Size (mm)	Additive	Color	Closure Type	Label	Material	Pack/Carton Qty
622030202	3	13x75	Clot Activator/Gel	Golden	Safety Cap	Paper	PET	100/1000
622350202	3.5	13x75			Safety Cap	Paper		100/1000
623040202	4	13x100			Safety Cap	Paper		100/1000
623050202	5	13x100			Safety Cap	Paper		100/1000
623050242	5	13x100			Safety Cap	Transparent		100/1000
624070202	7	16x100			Safety Cap	Paper		50/1000
624080202	8	16x100			Safety Cap	Paper		50/1000
624850202	8.5	16x100			Safety Cap	Paper		50/1000
624850002	8.5	16x100			Conventional Closure	Paper		50/1000

Best performance specifications

Clot Activator Tubes

IMPROVACUTER® Clot Activator Tubes offer premium serum for determinations in chemistry and serology. Clot Activator and silicone are coated interior to accelerate clotting process.



Product Code	Vol. (ml)	Tube Size (mm)	Additive	Color	Closure Type	Label	Material	Pack/Carton Qty
612030202	3	13x75	Clot Activator	Red	Safety Cap	Paper	PET	100/1000
612040202	4	13x75			Safety Cap	Paper		100/1000
613040202	4	13x100			Safety Cap	Paper		100/1000
613050202	5	13x100			Safety Cap	Paper		100/1000
613060202	6	13x100			Safety Cap	Paper		100/1000
613060242	6	13x100			Safety Cap	Transparent		100/1000
614080202	8	16x100			Safety Cap	Paper		50/1000
614090202	9	16x100			Safety Cap	Paper		50/1000
614090002	9	16x100			Conventional Closure	Paper		50/1000

Best performance specifications

EDTA Tubes

IMPROVACUTER® EDTA Tubes offer whole blood specimen for whole blood haematology determinations. Generally, k2 or k3 Potassic Salt of EDTA is used as anticoagulant. The tube's inner wall is spray coated with additive.

IMPROVACUTER® EDTA Tubes can be used in direct sampling analyzers without actually being opened. Blood smearing should be done within 2 hours after blood collection.



Product Code	Vol. (ml)	Tube Size (mm)	Additive	Color	Closure Type	Label	Material	Pack/Carton Qty
682020202	2	13x75	EDTA.K2 Spray Dried	Lavender	Safety Cap	Paper	PET	100/1000
682030202	3	13x75			Safety Cap	Paper		100/1000
682030242	3	13x75			Safety Cap	Transparent		100/1000
682040202	4	13x75			Safety Cap	Paper		100/1000
682040242	4	13x75			Safety Cap	Transparent		100/1000
682040002	4	13x75			Conventional Closure	Paper		100/1000
683050202	5	13x100			Safety Cap	Paper		100/1000
683060202	6	13x100			Safety Cap	Paper		100/1000
684080202	8	16x100			Safety Cap	Paper		50/1000
684090202	9	16x100			Safety Cap	Paper		50/1000
684100202	10	16x100	Safety Cap	Paper	50/1000			
682021202	2	13x75	EDTA.K2 Spray	Lavender	Safety Cap	Paper	PET	100/1000
682031202	3	13x75			Safety Cap	Paper		100/1000
682041202	4	13x75			Safety Cap	Paper		100/1000
683051202	5	13x100			Safety Cap	Paper		100/1000
683061202	6	13x100			Safety Cap	Paper		100/1000
684081202	8	16x100			Safety Cap	Paper		50/1000
684091202	9	16x100			Safety Cap	Paper		50/1000
684101202	10	16x100			Safety Cap	Paper		50/1000
692021202	2	13x75	EDTA.K3 Spray	Lavender	Safety Cap	Paper	PET	100/1000
692031202	3	13x75			Safety Cap	Paper		100/1000
692041202	4	13x75			Safety Cap	Paper		100/1000
693051202	5	13x100			Safety Cap	Paper		100/1000
693061202	6	13x100			Safety Cap	Paper		100/1000
694081202	8	16x100			Safety Cap	Paper		50/1000
694091202	9	16x100			Safety Cap	Paper		50/1000
694101202	10	16x100			Safety Cap	Paper		50/1000

Best performance specifications

Citrate Tubes

IMPROVACUTER® Citrate Tubes(9NC 0.109M)/(9NC 0.129M) are generally used for coagulation studies. The tubes contain buffered sodium citrate solution as anticoagulant.

Citrate concentration of either 0.109M (3.2 %) or 0.129M (3.8 %) is available.

The mixing ratio is 1 part citrate to 9 parts blood.



Product Code	Vol. (ml)	Tube Size (mm)	Additive	Color	Closure Type	Label	Material	Pack/Carton Qty
632180202	1.8	13x75	Na Citrate(0.109M)	Blue	Safety Cap	Paper	PET	100/1000
632270202	2.7	13x75				Paper		100/1000
632270242	2.7	13x75				Transparent		100/1000
632360202	3.6	13x75				Paper		100/1000
632020202	2*	13x75				Paper		100/1000
632030202	3*	13x75				Paper		100/1000
632040202	4*	13x75				Paper		100/1000
633360202	3.6	13x100				Paper		100/1000
633450202	4.5	13x100				Paper		100/1000
632182202	1.8	13x75	Na Citrate(0.129M)	Blue	Safety Cap	Paper	PET	100/1000
632272202	2.7	13x75				Paper		100/1000
632362202	3.6	13x75				Paper		100/1000
632022202	2*	13x75				Paper		100/1000
632032202	3*	13x75				Paper		100/1000
632042202	4*	13x75				Paper		100/1000
633452202	4.5	13x100				Paper		100/1000
Double-Wall								
632180203	1.8	13x75	Na Citrate(0.109M)	Blue	Safety Cap	Paper	PET&PP	100/1000
632270203	2.7	13x75				Paper		100/1000
632182203	1.8	13x75	Na Citrate(0.129M)	Blue	Safety Cap	Paper	PET&PP	100/1000
632272203	2.7	13x75				Paper		100/1000

Best performance specifications

*Nominal capacity/ volume

Heparin Tubes

IMPROVACUTER® Heparin Tubes offer plasma for plasma determinations in chemistry. Sodium or Lithium Heparin is used as anticoagulant. The tube's inner wall is spray coated with additive.



Product Code	Vol. (ml)	Tube Size (mm)	Additive	Color	Closure Type	Label	Material	Pack/Carton Qty
652030202	3	13x75	Lithium Heparin	Green	Safety Cap	Paper	PET	100/1000
652040202	4	13x75				Paper		100/1000
652040242	4	13x75				Transparent		100/1000
653050202	5	13x100				Paper		100/1000
653060202	6	13x100				Paper		100/1000
654090202	9	16x100				Paper		50/1000
662030202	3	13x75	Sodium Heparin	Green	Safety Cap	Paper	PET	100/1000
662040202	4	13x75				Paper		100/1000
663050202	5	13x100				Paper		100/1000
663060202	6	13x100				Paper		100/1000

Best performance specifications

Gel & Heparin Tubes

IMPROVACUTER® Gel & Lithium Heparin Tubes offer plasma for plasma determinations in chemistry. The tubes contain Lithium Heparin as anticoagulant and barrier gel forms a barrier separating plasma from cells after centrifugation. Plasma may be aspirated directly from the collection tube, no need to transfer to another container.



Product Code	Vol. (ml)	Tube Size (mm)	Additive	Color	Closure Type	Label	Material	Pack/Carton Qty
742350202	3.5	13x75	Lithium Heparin/Gel	Green	Safety Cap	Paper	PET	100/1000
743050202	5	13x100				Paper		100/1000
743050242	5	13x100				Transparent		100/1000
744850202	8.5	16x100				Paper		50/1000

Best performance specifications

Glucose Tubes

IMPROVACUTER® Glucose Tubes are used for glucose determination. The tubes contain Sodium Fluoride and EDTA as additive, providing better sample quality with results in less haemolysis and micro-clots.



Product Code	Vol. (ml)	Tube Size (mm)	Additive	Color	Closure Type	Label	Material	Pack/Carton Qty
672024202	2	13x75	NaF/EDTA.Na2	Grey	Safety Cap	Paper	PET	100/1000
672024242	2	13x75				Transparent	PET	100/1000
672034202	3	13x75				Paper	PET	100/1000
672044202	4	13x75				Paper	PET	100/1000
673044202	4	13x100				Paper	PET	100/1000
672023202	2	13x75	NaF/potassium oxalate	Grey	Safety Cap	Paper	PET	100/1000
672033202	3	13x75				Paper	PET	100/1000

Best performance specifications

No Additive Tubes

IMPROVACUTER® No Additive Tubes offer serum for determinations in chemistry, immunology and serology. The minimum recommended clotting time for serum tubes without clot activator is 90 minutes under room temperature.



Product Code	Vol. (ml)	Tube Size (mm)	Additive	Color	Closure Type	Label	Material	Pack/Carton Qty
602030202	3	13x75	/	Red	Safety Cap	Paper	PET	100/1000
602040202	4	13x75				Paper	PET	100/1000
603040202	4	13x100				Paper	PET	100/1000
603050202	5	13x100				Paper	PET	100/1000
603060242	6	13x100				Transparent	PET	100/1000
604080202	8	16x100				Paper	PET	50/1000
604090202	9	16x100				Paper	PET	50/1000
604100202	10	16x100				Paper	PET	50/1000

Best performance specifications

ESR Tubes

IMPROVACUTER® ESR Tubes are used for Westergren sedimentation rate determination. The tubes contain buffered sodium citrate solution as anticoagulant. Citrate concentration of either 0.109M(3.2 %) or 0.129M(3.8 %) is available. The mixing ratio is 1 part citrate to 4 parts blood.



Product Code	Vol. (ml)	Tube Size (mm)	Additive	Color	Closure Type	Label	Material	Pack/Carton Qty
For Traditional Westergren Method								
642160202	1.6	13x75	Na Citrate(0.109M)	● Black	Safety Cap	Paper	PET	100/1000
642240202	2.4	13x75					PET	100/1000
642162202	1.6	13x75	Na Citrate(0.129M)	● Black	Safety Cap	Paper	PET	100/1000
642242202	2.4	13x75					PET	100/1000
For Auto ESR Analyzer								
645120004	1.28	8x120	Na Citrate(0.109M)	● Black	Conventional Closure	Paper	Glass(Single Scale Mark)	100/1000
645120005	1.28	8x120					Glass(Double Scale Mark)	100/1000
645122004	1.28	8x120	Na Citrate(0.129M)	● Black	Conventional Closure	Paper	Glass(Single Scale Mark)	100/1000
645122005	1.28	8x120					Glass(Double Scale Mark)	100/1000
For ESR Fast Detector								
645160004	1.6	9x120	Na Citrate(0.109M)	● Black	Conventional Closure	Paper	Glass(Single Scale Mark)	100/1000
645160005	1.6	9x120					Glass(Double Scale Mark)	100/1000
645162004	1.6	9x120	Na Citrate(0.129M)	● Black	Conventional Closure	Paper	Glass(Single Scale Mark)	100/1000
645162005	1.6	9x120					Glass(Double Scale Mark)	100/1000

Best performance specifications

Closed ESR System

The system provides a fast and safe solution for Erythrocyte Sedimentation Rate (ESR) determinations. Instead of a decapping operation and the use of sedimentation pipettes, the sealed blood specimen could be tested directly in the devices, reading a result in 30 minutes, half the time of traditional Westergren method of 1 hour.



- Up to 30 samples
- LIS/HIS access
- Barcode capability
- Built-in internal thermal printer, ESR curve display and print-out
- Big touch screen, 4 languages selectable



- 10 channels
- Small size for space saving and flexibility of multi-sites serving
- Clear scale marks, easy to read
- Good base support for more steady standing

Product Code	Description	Specification	Dimensions	Carton Qty
ESR-30	Auto ESR Analyzer	30 Channels	400mm x300mm x180mm	1pc/CTN
521010	ESR Fast Detector	10 Channels	280mm x 80mm x 111mm	10pcs/CTN

Gel & EDTA.K2 Tubes

IMPROVACUTER® Gel & EDTA.K2 Tubes are used for viral load determination or preparation of undiluted plasma specimens for molecular diagnostic test methods or where undiluted plasma is required. Whole blood is collected and barrier gel forms a barrier separating plasma from cellular components of the blood after centrifugation.



Product Code	Vol. (ml)	Tube Size (mm)	Additive	Color	Closure Type	Label	Material	Pack/Carton Qty
722350202	3.5	13x75	EDTA.K2/Gel	Lavender	Safety Cap	Paper	PET	100/1000
723050202	5	13x100				Paper		100/1000
723050242	5	13x100				Transparent		100/1000
724850202	8.5	16x100				Paper		50/1000

Best performance specifications

ACD Tubes

IMPROVACUTER® ACD Tubes are suitable for HLA visualization, DNA Paternity testing. The tubes contain Sodium Citrate, Citric acid and glucose as additive, providing better sample quality with cell-stabilizing properties.



Product Code	Vol. (ml)	Tube Size (mm)	Additive	Color	Closure Type	Label	Material	Pack/Carton Qty
702020200	2	13x75	Sodium Citrate, Citric acid and glucose	Golden	Safety Cap	Paper	Glass	100/1000
702030200	3	13x75						100/1000
702040200	4	13x75						100/1000
703020200	2	13x100						100/1000
703050200	5	13x100						100/1000
704090200	9	16x100						50/1000

Best performance specifications

Thrombin Tubes

IMPROVACUTER® Thrombin Tubes are used to collect, separate, transport and process venous blood specimens to obtain serum for chemistry determinations for in vitro diagnostic use. Rapid coagulation (5 min), used in emergency biochemistry. This product has to be used by professionally qualified personnel.



Product Code	Vol. (ml)	Tube Size (mm)	Additive	Color	Closure Type	Label	Material	Pack/Carton Qty
773050200	5	13x100	thrombin	orange	Safety Cap	Paper	Glass	100/1000
773060200	6	13x100						100/1000
773050240	5	13x100	thrombin	orange	Transparent	Paper	Glass	100/1000
773060240	6	13x100						100/1000

Best performance specifications

Sodium Heparin Tubes (For trace element)

IMPROVACUTER® Sodium Heparin Tubes offer plasma trace elements. Sodium heparin is used as anticoagulant. Maximum content of elements such as copper, calcium, zinc, iron and so on from the tubes themselves is defined by manufacturer.

Mix time: 5-8 times.

This product has to be used by professionally qualified personnel.



Product Code	Vol. (ml)	Tube Size (mm)	Additive	Color	Closure Type	Label	Material	Pack/Carton Qty
793060202	6	13x100	Sodium Heparin	Dark Green	Safety Cap	Paper	PET	100/1000
792040202	4	13x75						100/1000

Best performance specifications

CTAD Tubes

IMPROVACUTER® CTAD tube, containing Citrate solutions, theophylline, adenosine and dipyridamole, is mainly used for collection and preservation of plasma sample for routine coagulation analysis and platelet function assays. Theophylline and dipyridamole inhibit cAMP(cyclic adenosine monophosphate) phosphodiesterase activity and adenosine stimulates membrane adenylyl cyclase.

The consequent increase in platelet cAMP and the inhibition of Ca²⁺-mediated responses lead to a reduction of platelet activation. It is an ideal choice for platelet function assays and routine coagulation detection.



Product Code	Vol. (ml)	Tube Size (mm)	Additive	Color	Closure Type	Label	Material	Pack/Carton Qty
862030203	3	13×75	Buffered citrate solutions, theophylline, adenosine and dipyridamole	Blue	Safety Cap	Paper	PET/PP	100/1000

Best performance specifications

EDTA.K2 Tubes (For crossmatch)

The interior of the tube wall is coated with EDTA.K2. The tube is also available with a liquid EDTA solution. It is mainly used for crossmatch purposes.

Mix time: 5-8 times.

This product has to be used by professionally qualified personnel.



Product Code	Vol. (ml)	Tube Size (mm)	Additive	Color	Closure Type	Label	Material	Pack/Carton Qty
683061202B	6	13×100	EDTA.K2 spray	Pink	Safety Cap	Paper	PET	100/1000
682041202B	4	13×75						100/1000

Best performance specifications

IMPROVACUTER® Multi-Sample Needles

Multi-Sample Needles have a tri-bevel design and are coated with silicone, a low friction lubricant, ensuring very gentle and smooth vein entry.



*FDA 510(k) cleared | #K153388

Product Code	Description	Needle Gauge (G)	Needle Length (Inch)	Shield Color	Box/Carton Qty
592118250	Multi-Sample Needle	18	1	Pink	100/4000
592118380		18	1 ½	Pink	100/4000
592120250		20	1	Yellow	100/4000
592120380		20	1 ½	Yellow	100/4000
592121250		21	1	Green	100/4000
592121380		21	1 ½	Green	100/4000
592122250		22	1	Black	100/4000
592122380		22	1 ½	Black	100/4000
592123250		23	1	Blue	100/4000
592123380		23	1 ½	Blue	100/4000

IMPROVACUTER® Multi-Sample Needles (Flashback)

Multi-Sample Needle (Flashback) provides greater convenience in use as its unique design allows instant blood flashback, giving a sign of venipuncture success. The Flashback needles ensure the full utilization of the closed system by providing a visual control for venipuncture.



Product Code	Description	Needle Gauge (G)	Needle Length (Inch)	Shield Color	Box/Carton Qty
595121250	Multi-Sample Needle (Flashback)	21	1	Green	100/5000
595121380		21	1 ½	Green	100/5000
595122250		22	1	Black	100/5000
595122380		22	1 ½	Black	100/5000

IMPROSAFE® Multi-Sample Needles

IMPROSAFE® Multi-Sample Needle is a safety-engineered designed needle, used for multiple sample collection. It is available with pre-attached holder which is ready to use, no assembly required after taking it out of the package.



***FDA 510(k) cleared | #K153388**

Product Code	Description	Needle Gauge (G)	Needle Length (Inch)	Shield Color	Box/Carton Qty
598121250	IMPROSAFE® Multi-Sample Needle	21	1	● Green	25/200
598121380		21	1 ½	● Green	25/200
598122250		22	1	● Black	25/200
598122380		22	1 ½	● Black	25/200

IMPROVACUTER® Holders

IMPROVACUTER® Holder is compatible with all IMPROVACUTER® & ImproGene® tubes, IMPROVACUTER® & IMPROSAFE Blood Collection Needles. It provides safety and easy use for healthcare workers.



Product Code	Description	Type	Box/Carton Qty
581010	Holder	Conventional	50/1000
582010	Safety Holder	With Safety Shield	40/1000

IMPROVACUTER® Blood Collection Sets

Blood Collection Sets are used with evacuated venous blood collection tube together. The winged needles can help achieve patient comfort and healthcare workers' easy and flexible clinical operation.



***FDA 510(k) cleared | #K153388**

Product Code	Description	Needle Gauge (G)	Needle Length (Inch) x Tubing Length (Inch)	Wing Color	Box/Carton Qty
594121300	Blood Collection Set	21	¾ X12	● Green	100/2000
594121190		21	¾ X7	● Green	100/2000
594122300		22	¾ X12	● Black	100/2000
594122190		22	¾ X7	● Black	100/2000
594123300		23	¾ X12	● Blue	100/2000
594123190		23	¾ X7	● Blue	100/2000
594125300		25	¾ X12	● Orange	100/2000
594125190		25	¾ X7	● Orange	100/2000

IMPROSAFE® Blood Collection Sets

IMPROSAFE® Blood Collection Set is simple and easy to use. It is a safety-engineered design protecting healthcare workers from needlestick injury. It is also available with pre-attached holder which is ready to use, no assembly required after taking it out of the package.



***FDA 510(k) cleared | #K153388**

Product Code	Description	Needle Gauge (G)	Needle Length (Inch) x Tubing Length (Inch)	Wing Color	Box/Carton Qty
596121300	IMPROSAFE® Blood Collection Set	21	¾ X 12	● Green	50/600
596121190		21	¾ X 7	● Green	50/600
596123300		23	¾ X 12	● Blue	50/600
596123190		23	¾ X 7	● Blue	50/600
596125300		25	¾ X 12	● Orange	50/600
596125190		25	¾ X 7	● Orange	50/600

IMPROSAFE® Blood Collection Sets w/Pre-Attached Holder

IMPROSAFE® Blood Collection Set (w/Pre-Attached Holder) is simple and easy to use. Pre-attached holder prevents risk of accidental needlestick injuries and eliminate steps in preparation process before venipuncture.



***FDA 510(k) cleared | #K153388**

Product Code	Description	Needle Gauge (G)	Needle Length (Inch) x Tubing Length (Inch)	Wing Color	Box/Carton Qty
596121302	IMPROSAFE® Blood Collection Set w/Pre-Attached Holder	21	¾ X 12	● Green	25/200
596121192		21	¾ X 7	● Green	25/200
596123302		23	¾ X 12	● Blue	25/200
596123192		23	¾ X 7	● Blue	25/200
596125302		25	¾ X 12	● Orange	25/200
596125192		25	¾ X 7	● Orange	25/200

4 Core Technologies

Offering Safer, Easier and Better Venipuncture Experience

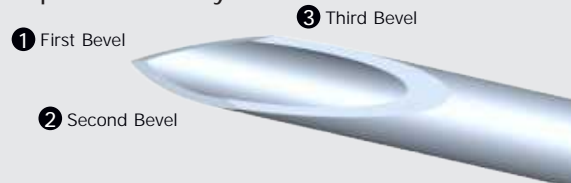
Ultra-thin wall

Increase flow rate 200%



Tri-bevel

Reduce Painsness
Improve Efficiency



Alternative Holder

Providing Better Drawing Experience



Safety Shield

Avoiding Risk of Needle Injury
One or two-handed activation



*The example mentioned above refers to 21 gauge.

*The unit of diameter is in millimeter.

Luer Adapters

IMPROVACUTER® Luer Adapter is a sterile and disposable adapter that allows you to attach to a variety of devices (e.g. hypodermic needles, infusion lines, catheters) for use with the IMPROVACUTER® blood collection tubes.



Product Code	Description	Needle Size	Box/Carton Qty
593121190	Luer Adapter	0.8x19mm	100/4000

Tourniquets

IMPROVACUTER® Tourniquet is used for fastening the vein in blood collection or blood transfusion, as well as venipuncture for other medical purposes. It is safe and easy to use.



Product Code	Description	Color	Box/Carton Qty
5711A0100	Tourniquet for Adult	Light Blue	50/500
5711A0700	Tourniquet for Adult	Blue	50/500
5710A0100	Tourniquet for Kid	Light Blue	50/500

Disposable Tourniquets

IMPROVACUTER® Disposable Tourniquet uses its unique design to provide safe, convenient, efficient, and latex-free blood collection experience.



Product Code	Description	Box/Carton Qty
5711E0100	Disposable Tourniquet, Latex Free	50/2000

ORDER OF DRAW

IMPROVACUTER® Blood Collection Tubes

based on CLSI

1. Blood Culture

2. No Additive Tubes

When using a winged blood collection set for venipuncture and a sodium citrate tube is the first tube needed, first draw a discard tube. A nonadditive tube is recommended as discard tube.

3. Citrate Tubes

4. Serum

with and without Separator

5. Heparin

with and without Separator

6. EDTA

with and without Separator

7. Glucose Tubes

8. Other Additives



NOTE

Always follow general effective and safe working procedures and precautions during use and disposal of the products.

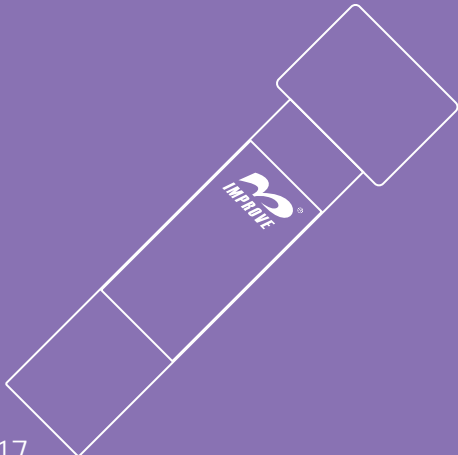
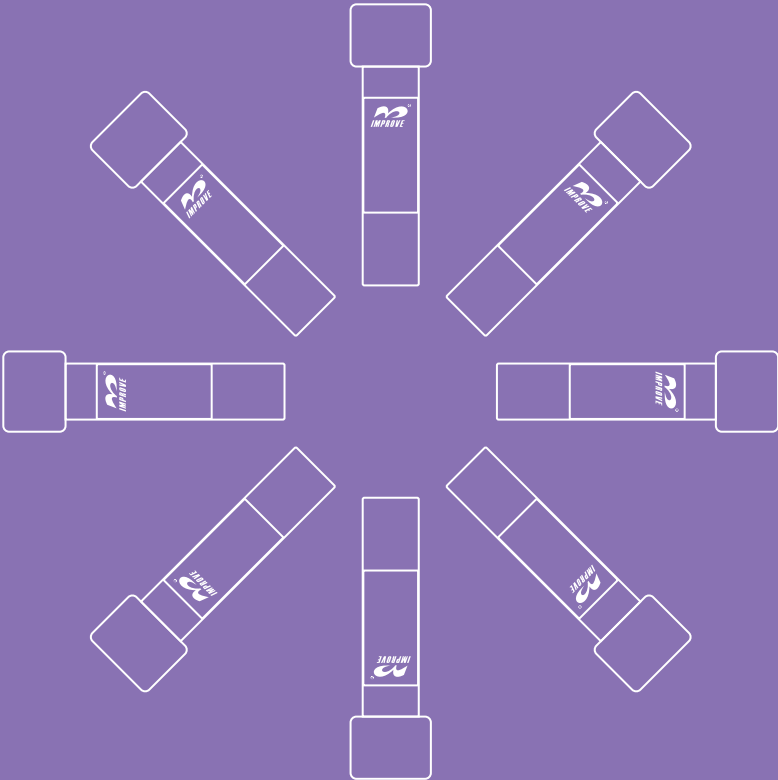
Centrifugation Reference

Centrifugation RCF and Time Recommendations		
Product	RCF (g)	Time (min)
No Additive Tubes	1500-2200	10
Clot Activator Tubes	1500-2200	10
Gel & Clot Activator Tubes	1800-2200	10
Plasma Tubes	1300-1800	10
Plasma Tubes with Gel	1500-1800	10
Sodium Citrate 9:1 Tubes (PT or Coagulation Tubes)	1500-2000	10

IMPROMINI®

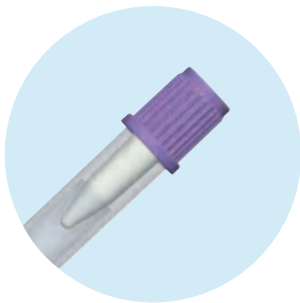
Capillary Blood Collection System

Capillary Blood Collection Tubes

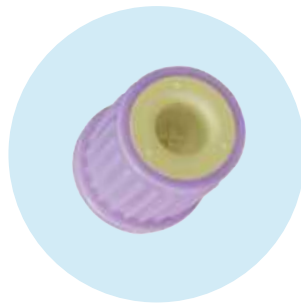


IMPROMINI® Plus

- * Bullet-design inner tube for better mixing
- * Leak-proof & pierceable stopper
- * Size $\Phi 13 \times 75 \text{mm}$ for automated processing, compatible with Mindray, Sysmex hematology analyzers
- * Twist-design cap for closed & safer transportation
- * Smooth integrated collector
- * Visible fill line



bullet-design inner tube



pierceable stopper



integrated collector

Product Code	Color	Additive	Volume (ml)	Pack/Carton Qty
5656805	● Lavender	EDTA.K2	0.5	100/1000

Capillary Blood Collection Tubes

IMPROMINI® capillary blood collection tubes are mainly used in collection, storage, pre-processing and transportation of capillary blood specimen. It is suitable for newborn babies, infants, prostrate patients in ICU and other patients who are not able to collect venous blood, like those severely burned and extremely obese. The amber tube can protect light sensitive assays such as bilirubin, both serum and plasma specimen are available.



M11 Type

Capillary Blood Collection Tube W/O capillary, safety cap

Product Code	Color	Additive	Volume (ml)	Pack/Carton Qty
5636105	Red	Clot Activator	0.5	50/1000
5636205	Golden	Clot Activator/Gel	0.5	50/1000
5636605	Green	Sodium Heparin	0.5	50/1000
5636705	Grey	NaF/EDTA.K2	0.5	50/1000
5636805	Lavender	EDTA.K2	0.5	50/1000
5636905	Lavender	EDTA.K3	0.5	50/1000
5637405	Green	Lithium Heparin/Gel	0.5	50/1000
5637505	Green	Sodium Heparin/Gel	0.5	50/1000

M11 Type (Amber tubes) (Designed For Light Sensitive Tests)

The amber tube can protect light sensitive assays such as bilirubin, both serum and plasma specimen are available.



Product Code	Color	Additive	Volume (ml)	Pack/Carton Qty
Amber Tube				
5636305	Golden	Clot Activator/Gel	0.5	50/1000
5637605	Green	Lithium Heparin/Gel	0.5	50/1000

M2 Type

Capillary Blood Collection Tube W/ or W/O capillary, rubber closure



Product Code	Color	Additive	Volume (ml)	Pack/Carton Qty
W/O capillary tube				
5676105	Red	Clot Activator	0.5	50/1000
5676205	Golden	Clot Activator/Gel	0.5	50/1000
5676505	Green	Lithium Heparin	0.5	50/1000
5676605	Green	Sodium Heparin	0.5	50/1000
5676705	Grey	NaF/EDTA.K2	0.5	50/1000
5676805	Lavender	EDTA.K2	0.5	50/1000
5676905	Lavender	EDTA.K3	0.5	50/1000
5677405	Green	Lithium Heparin/Gel	0.5	50/1000
5677505	Green	Sodium Heparin/Gel	0.5	50/1000
W/ capillary tube				
5626702	Grey	NaF/EDTA.K2	0.2	20/1000
5626802	Lavender	EDTA.K2	0.2	20/1000
5626902	Lavender	EDTA.K3	0.2	20/1000

M3 Type

Capillary Blood Collection Tube W/ capillary, valve cap

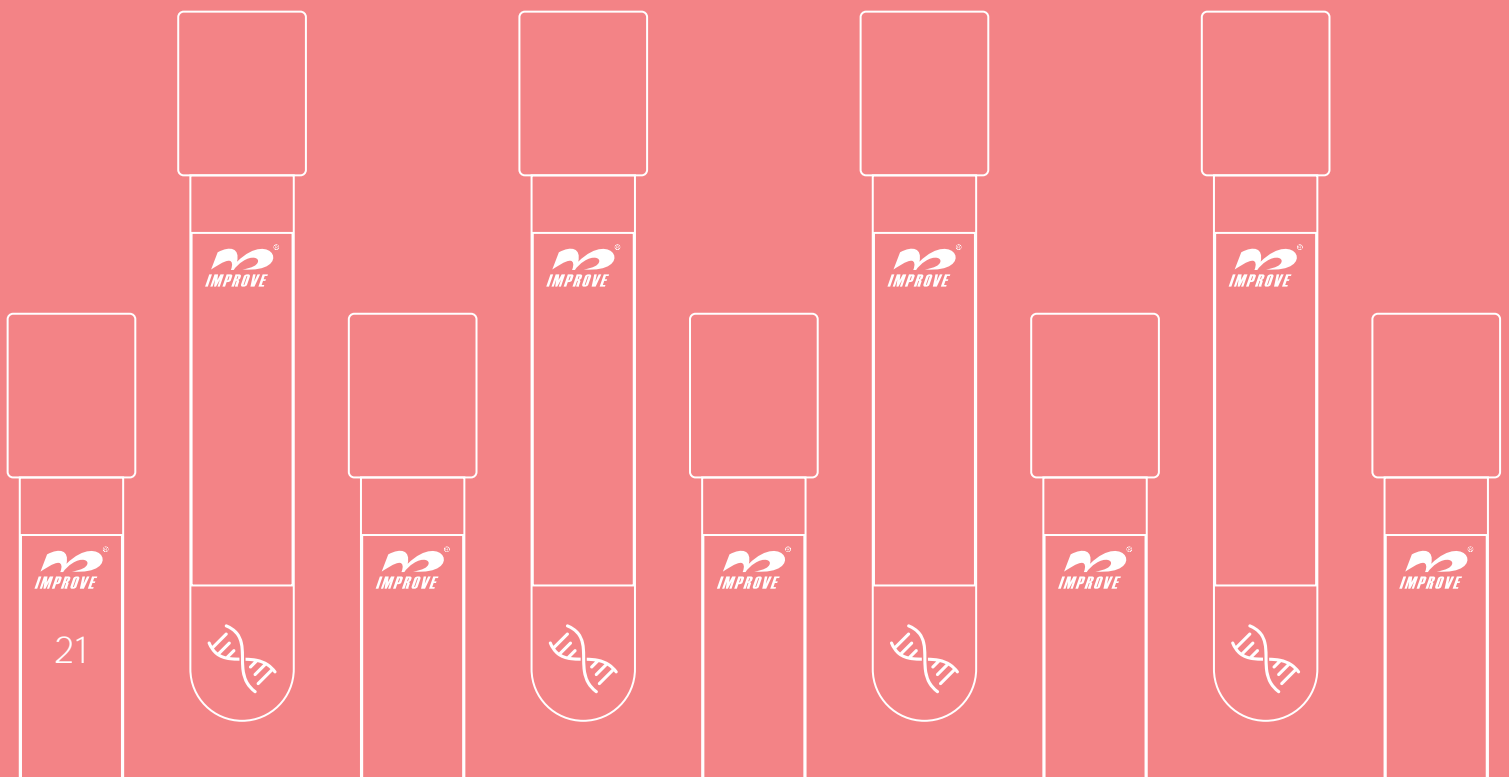


Product Code	Color	Additive	Volume (ml)	Pack/Carton Qty
5646702	Grey	NaF/EDTA.K2	0.2	20/1000
5646802	Lavender	EDTA.K2	0.2	20/1000
5646902	Lavender	EDTA.K3	0.2	20/1000

IMPROGENE®

Liquid Biopsy Preanalytical System

Cell Free DNA Tubes



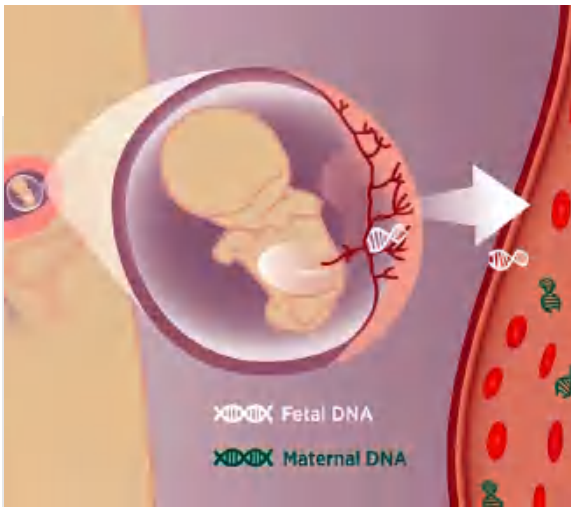
Cell Free DNA Tube

ImproGene® Cell Free DNA Tubes are evacuated blood collection tube with a formaldehyde-free preservative stabilizing nucleated blood cells. The unique stabilization prevents the release of genomic DNA (gDNA) and minimizes hemolysis, allowing isolation of high-quality cell-free DNA (cf DNA). The tubes also have been demonstrated to minimize the degradation of circulating tumor cells (CTCs).



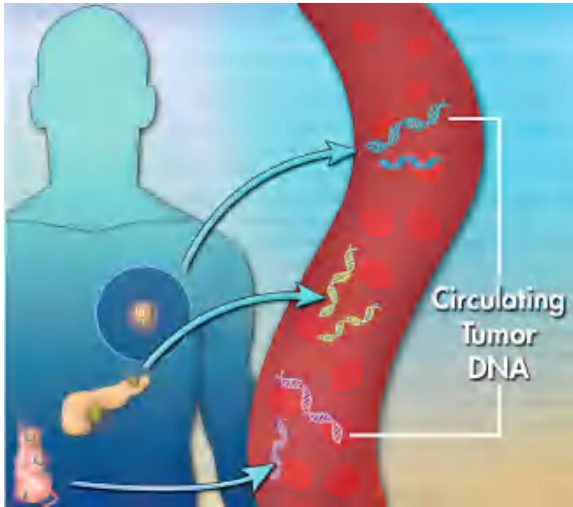
Product Code	Vol. (ml)	Tube Size (mm)	Color	Closure Type	Label	Material	Pack/Carton Qty
824105208F	10	16x100	Pink	Safety Cap	Paper	Glass	50/100
824105208T	10	16x100					50/100

Non-invasive Prenatal Testing (NIPT)



Stabilizing maternal DNA and cell free fetal DNA in blood, and widely applied in 21, 18, 13 chromosome abnormalities, sex chromosome abnormalities, twin NIPT, single gene genetic disease and gestational tumor.

Circulating Tumor DNA (ctDNA)



Stabilizing ctDNA and widely used in the detection of lung cancer, colon cancer, breast cancer, melanoma and glioma.

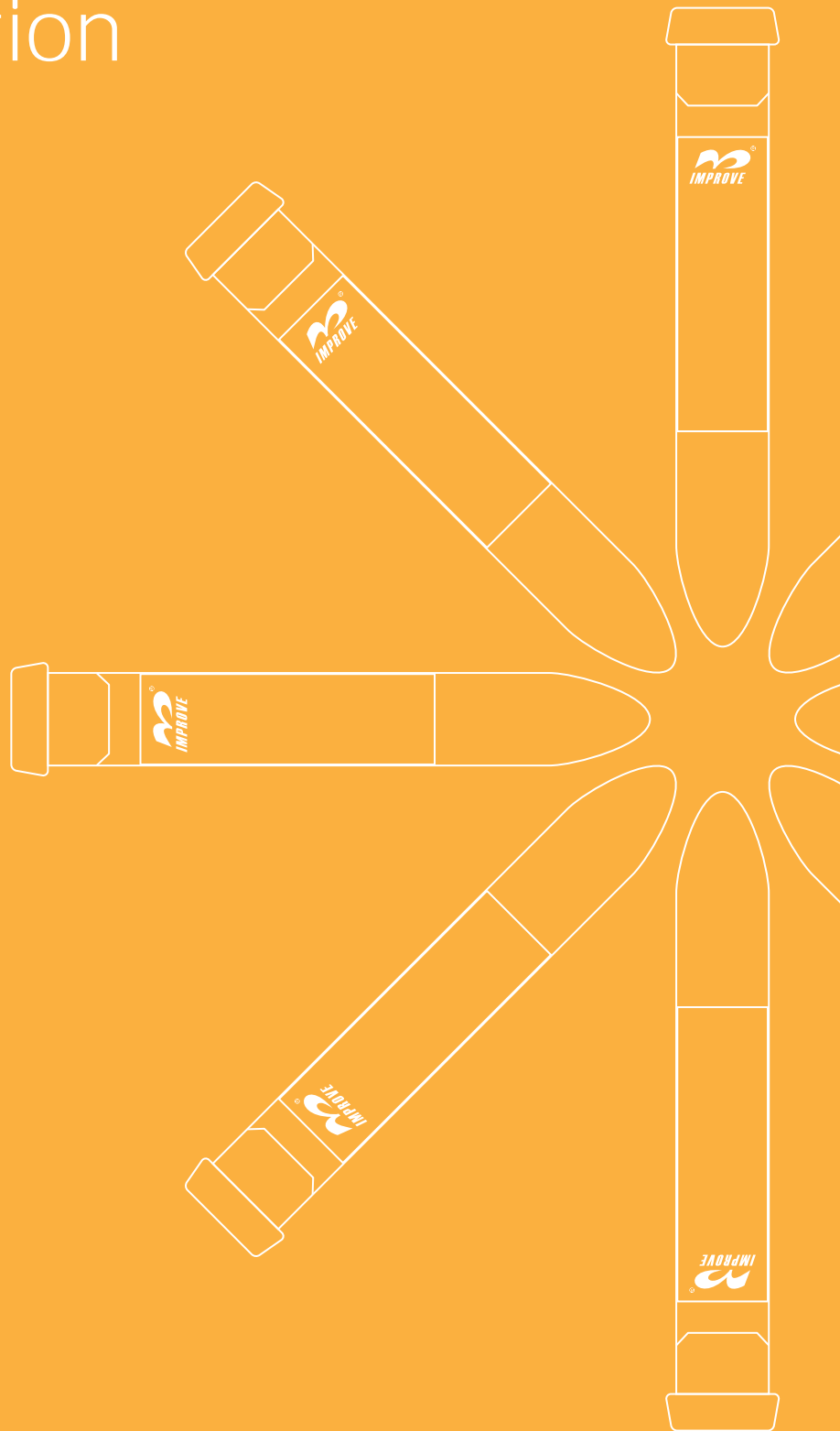
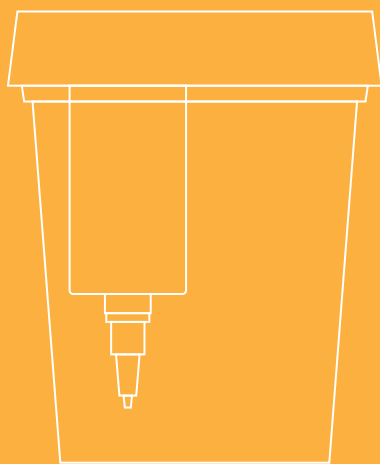
IMPROVACUTER®

Urine Collection System

Urinalysis Tubes

Urine Culture Tubes

Urine Collection Container



Urinalysis Tubes

IMPROVACUTER® Urinalysis Tubes are used for urinary sediment and component analysis.

The conical bottom is suitable for routine urine tests and microscopic sediment analysis.

The preservative tube contain Sodium Propionate,

Chlorhexidine and Ethyl p-hydroxybenzoate as additive, providing better sample preservation.



Product Code	Tube Size/Volume	Additive	Color	Closure Type	Label	Material	Pack/Carton Qty
470021100	10ml / 16x100mm	/	Yellow	Conventional Closure	Paper	PET	50/1000
470021102	10ml / 16x100mm	/	Yellow	Safety cap	Paper	PET	50/1000
470031180	8ml / 6x100mm	/	Yellow	Conventional Closure	Paper	PET (Conical)	50/1000
470031182	8ml / 16x100mm	/	Yellow	Safety cap	Paper	PET (Conical)	50/1000
471130180	8ml / 16x100mm	Sodium Propionate, Chlorhexidine Ethyl, P-hydroxybenzoate	Red	Conventional Closure	Paper	PET (Conical)	50/1000
471130182	8ml / 16x100mm	Sodium Propionate, Chlorhexidine Ethyl, P-hydroxybenzoate	Red	Safety cap	Paper	PET (Conical)	50/1000

Urine Culture Tubes

IMPROVACUTER® Urine Culture Tubes are used for urine culture test. The microbiology preservative containing Sodium Formate, Boric Acid, Sodium Borate, effectively maintains bacterial viability up to 48 hours at room temperature to help reduce contamination rate.



Product Code	Tube Size/Volume	Additive	Color	Closure Type	Label	Material	Pack/Carton Qty
472322042	4ml / 13x75mm	Sodium Formate, Boric Acid, Sodium Borate	Grey	Safety Cap	Paper	PET	100/1000

Urine Collection Container

IMPROVACUTER® Urine Collection Container provides a safer and easier alternative for specimen transfer. By using this closed system, pouring off, leakage and wet areas are avoided, which positively impacts the work environment and conditions.

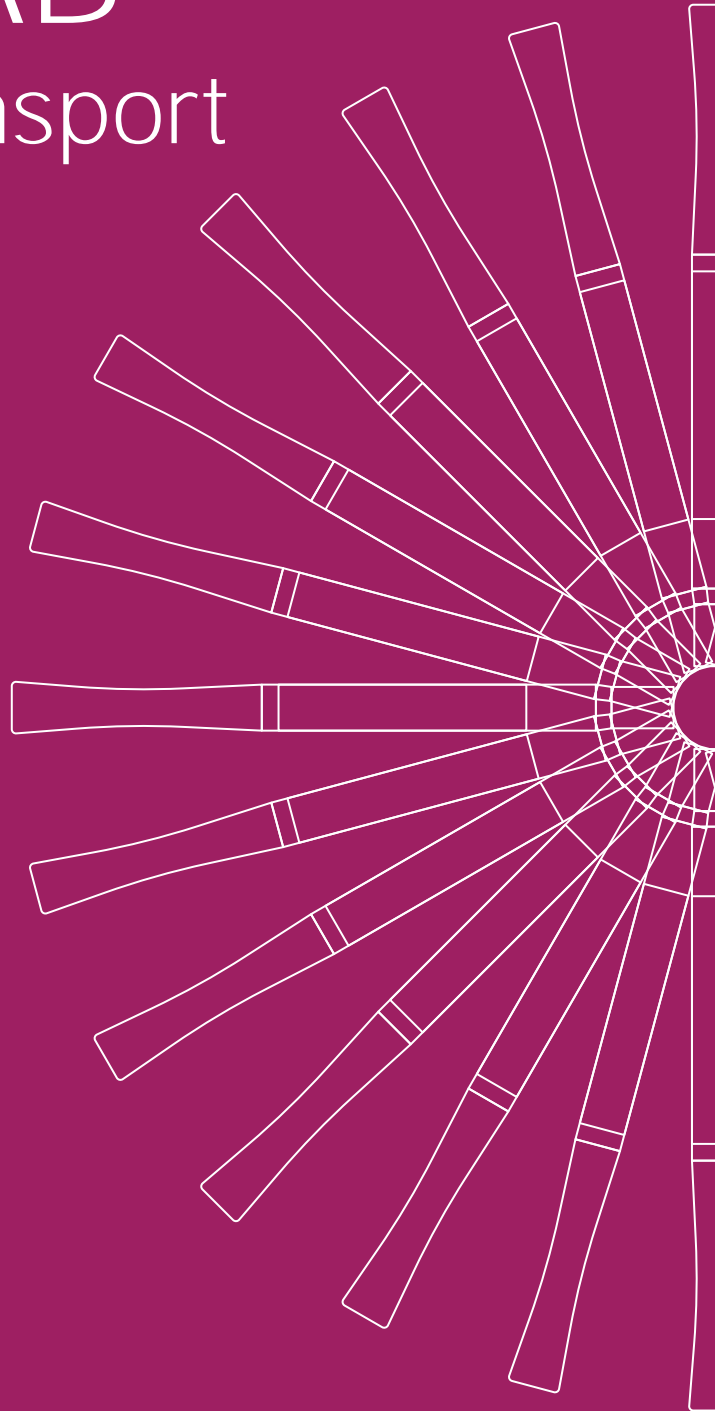
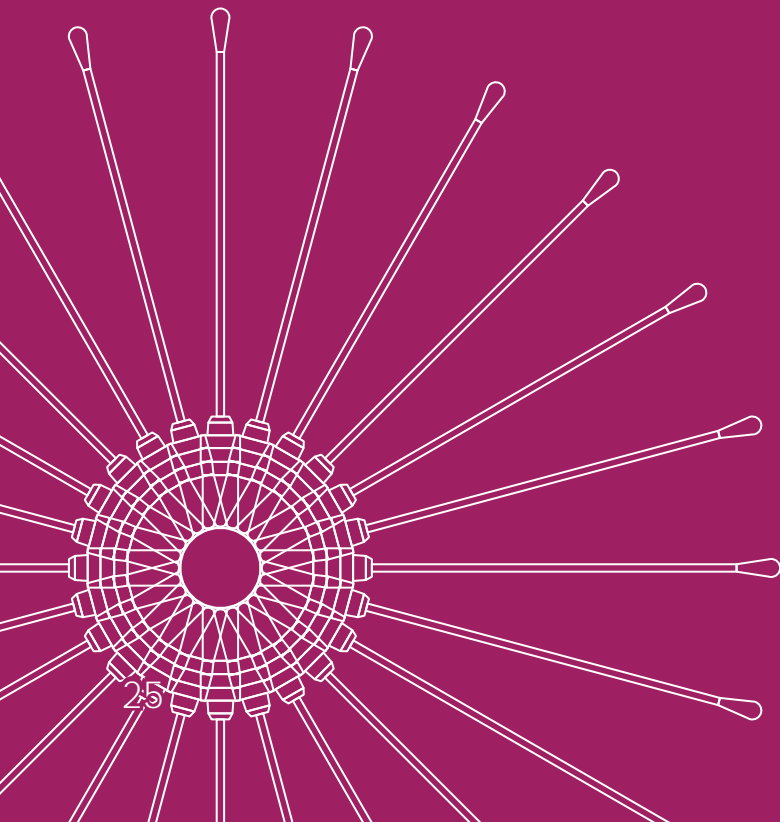


Product Code	Description	Material	Pack/Carton Qty
IM527	Urine Collection Container	PP	250

IMPROSWAB®

Microbiology Transport System

Microbiological Transport Swabs
Disposable Swabs



Microbiological Transport Swabs

IMPROSWAB® Microbiological Transport Swab is a special device for collection, transportation and preservation of microbiological specimen, providing an optimal and professional solution for those specimen treatments. It can effectively protect the microbial character, the physiological activity and otherwise staff's work and keeps them from biological pollution.



Product Code	Description	Transport Medium	Pack/Carton Qty
550000	Disposable Swab	Plain, Packed Individually	50/500
550003	Disposable Swab	Plain, Packed In Bulk	100/2000
550021	Microbiological Transport Swab	Amies W/O CH	50/500
550051	Microbiological Transport Swab	Amies W/ CH	50/500
550011	Microbiological Transport Swab	Stuart	50/500
550031	Microbiological Transport Swab	Cary-blair	50/500

Disposable Swabs (Compatible for use with VPM/NAT)

①

Product Code	Component	Size(mm)	Type	Pack/Carton Qty
550040	Nylon	Length: 150mm Break point: 82mm	Nasopharynx Swab	50 pcs/box 600 pcs/carton

②

Product Code	Component	Size(mm)	Type	Pack/Carton Qty
55001A	Nylon	Length: 150mm Break point: 32mm	Oropharyngeal Swab	50 pcs/box 600 pcs/carton

③

Product Code	Component	Size(mm)	Type	Pack/Carton Qty
55001B	Rayon	Length: 150mm No break point	Oropharyngeal Swab	50 pcs/box 600 pcs/carton

Thrombelastograph

Innovation & Total Solution for
Clinical Coagulation Management



Feces Analysis System



Sample Liquefaction Processor-1A



Full Automatic Feces Analyzer-5A



Full Automatic Feces Analyzer-6000R

Urinalysis System



Automatic Hybrid Urinalysis Workstation



Automatic Urine Analyzer



Dry Chemistry Analyzer

Automatic & Intelligent Solutions for PAS



IBMS (Smart-μ)



Intelligent Sorter



Automatic Biosafety Decapper

Pulsewave Blood Pressure Monitor



IMPROVACUTER®

IMPROMINI®

IMPROSWAB®

IMPROSAFE®

IMPROGENE®



Human Health We Care

No.102, Kaiyuan Ave. Science City, 510530, Guangzhou, China

86-20-32312610/1/2/3/4/5/6/7

86-20-32312667/2611

info@improve-medical.com

www.improve-med.com

 IMPROVE_MEDICAL

 IMPROVE1996

 Improve Medical

 Improve Medical

 Improve Medical