



IMPROVACUTER® Venous Blood Collection System

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	Clot Activator/Gel	Golden	Safety Cap	Paper	PET	100/1000
623040202	4	13x100	Clot Activator/Gel	Golden	Safety Cap	Paper	PET	100/1000
623050202	5	13x100	Clot Activator/Gel	Golden	Safety Cap	Paper	PET	100/1000
623050242	5	13x100	Clot Activator/Gel	Golden	Safety Cap	Transparent	PET	100/1000
623060202	6	13x100	Clot Activator/Gel	Golden	Safety Cap	Paper	PET	100/1000
624070202	7	16x100	Clot Activator/Gel	Golden	Safety Cap	Paper	PET	50/1000
624080202	8	16x100	Clot Activator/Gel	Golden	Safety Cap	Paper	PET	50/1000
624850202	8.5	16x100	Clot Activator/Gel	Golden	Safety Cap	Paper	PET	50/1000
624850002	8.5	16x100	Clot Activator/Gel	Golden	Conventional Closure	Paper	PET	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	Clot Activator	Red	Safety Cap	Paper	PET	100/1000
613040202	4	13x100	Clot Activator	Red	Safety Cap	Paper	PET	100/1000
613050202	5	13x100	Clot Activator	Red	Safety Cap	Paper	PET	100/1000
613060202	6	13x100	Clot Activator	Red	Safety Cap	Paper	PET	100/1000
613060242	6	13x100	Clot Activator	Red	Safety Cap	Transparent	PET	100/1000
614080202	8	16x100	Clot Activator	Red	Safety Cap	Paper	PET	50/1000
614090202	9	16x100	Clot Activator	Red	Safety Cap	Paper	PET	50/1000
614090002	9	16x100	Clot Activator	Red	Conventional Closure	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	Na Citrate(0.109M)	Black	Safety Cap	Paper	PET	100/1000
642162202	1.6	13x75	Na Citrate(0.129M)	Black	Safety Cap	Paper	PET	100/1000
642242202	2.4	13x75	Na Citrate(0.129M)	Black	Safety Cap	Paper	PET	100/1000
For Auto ESR Analyzer								
645120000	1.28	8x120	Na Citrate(0.109M)	Black	Conventional	Paper	Glass	100/1000
645120004	1.28	8x120	Na Citrate(0.109M)	Black	Conventional	Paper	Glass(Single Scale Mark)	100/1000
645120005	1.28	8x120	Na Citrate(0.109M)	Black	Conventional	Paper	Glass(Double Scale Mark)	100/1000
645122000	1.28	8x120	Na Citrate(0.129M)	Black	Conventional	Paper	Glass	100/1000
645122004	1.28	8x120	Na Citrate(0.129M)	Black	Conventional	Paper	Glass(Single Scale Mark)	100/1000
645122005	1.28	8x120	Na Citrate(0.129M)	Black	Conventional	Paper	Glass(Double Scale Mark)	100/1000
For ESR Fast Detector								
645160000	1.6	9x120	Na Citrate(0.109M)	Black	Conventional	Paper	Glass	100/1000
645160004	1.6	9x120	Na Citrate(0.109M)	Black	Conventional	Paper	Glass(Single Scale Mark)	100/1000
645160005	1.6	9x120	Na Citrate(0.109M)	Black	Conventional	Paper	Glass(Double Scale Mark)	100/1000
645162000	1.6	9x120	Na Citrate(0.129M)	Black	Conventional	Paper	Glass	100/1000
645162004	1.6	9x120	Na Citrate(0.129M)	Black	Conventional	Paper	Glass(Single Scale Mark)	100/1000
645162005	1.6	9x120	Na Citrate(0.129M)	Black	Conventional	Paper	Glass(Double Scale Mark)	100/1000

Best performance specifications

IMPROVE® 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
- Temperature compensation refer to 18°C per Westergren method
- 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 x 300mm x 180mm	1pc/CTN
521010	ESR Fast Detector	10 Channels	280mm x 80mm x 111 mm	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	EDTA.K2/Gel	Lavender	Safety Cap	Paper	PET	100/1000
723050242	5	13x100	EDTA.K2/Gel	Lavender	Safety Cap	Transparent	PET	100/1000
724850202	8.5	16x100	EDTA.K2/Gel	Lavender	Safety Cap	Paper	PET	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 or 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
702020100	2	13x75	Sodium Citrate, Citric acid or glucose	Yellow	Safety Cap	Paper	PET	100/1000
702030100	3	13x75		Yellow	Safety Cap	Paper	PET	100/1000
702040100	4	13x75		Yellow	Safety Cap	Paper	PET	100/1000
703020100	2	13x100		Yellow	Safety Cap	Paper	PET	100/1000
703050100	5	13x100		Yellow	Safety Cap	Paper	PET	100/1000

Best performance specifications

Multi-Sample Needles

IMPROVACUTER® 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	IMPROVACUTER® Multi-Sample Needle	18	1	Pink	100/4000
592118380		18	1½	Pink	100/4000
592120250		20	1	Yellow	100/4000
592120380		20	1½	Yellow	100/4000
592121250		21	1	Green	100/4000
592121380		21	1½	Green	100/4000
592122250		22	1	Black	100/4000
592122380		22	1½	Black	100/4000
592123250		23	1	Blue	100/4000
592123380		23	1½	Blue	100/4000

Blood Collection Sets

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

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Product Code	Description	Needle Gauge (G)	Needle Length (Inch) x Tubing Length (Inch)	Wing Color	Box/Carton Qty
594121300	IMPROVACUTER® Blood Collection Set	21	¾ x 12	Green	100/2000
594121190		21	¾ x 7	Green	100/2000
594122300		22	¾ x 12	Black	100/2000
594122190		22	¾ x 7	Black	100/2000
594123300		23	¾ x 12	Blue	100/2000
594123190		23	¾ x 7	Blue	100/2000
594125300		25	¾ x 12	Orange	100/2000
594125190		25	¾ x 7	Orange	100/2000

Multi-Sample Needles (Flashback)

IMPROVACUTER® 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	IMPROVACUTER® Multi-Sample Needle (Flashback)	21	1	Green	100/5000
595121380		21	1½	Green	100/5000
595122250		22	1	Black	100/5000
595122380		22	1½	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.

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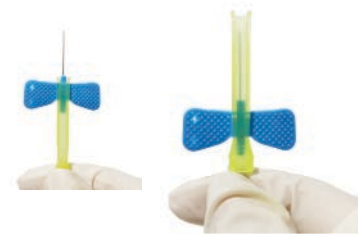


Product Code	Description	Needle Gauge (G)	Needle Length (Inch)	Shield Color	Box/Carton Qty
598121250	IMPROSAFE® Multi-Sample Needle	21	1	Green	25/200
598121380		21	1½	Green	25/200
598122250		22	1	Black	25/200
598122380		22	1½	Black	25/200

IMPROSAFE® Blood Collection Sets

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

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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 holders prevents risk of accidental needlestick injuries and eliminate steps in preparation process before venipuncture.

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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

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	Pack/Carton Qty
581010	Holder	Conventional	50/1000
582010	Safety Holder	With Safety Shield	40/1000

Luer Adapters

IMPROVACUTER® Luer Adapter is a sterile and disposable adapter that allow 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
5711A0400	Tourniquet for Adult	Plum	50/500
5711A0500	Tourniquet for Adult	Green	50/500
5711A0700	Tourniquet for Adult	Blue	50/500
5711A0800	Tourniquet for Adult	Red	50/500
5710A0100	Tourniquet for Kid	Light Blue	50/500
5710A1400	Tourniquet for Kid	Pink	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	Pack/Carton Qty
5711E0100	Disposable Tourniquet, Latex Free	50/2000

Sharps Containers

IMPROVE® Sharps Containers have special Dual-lock System, with the temporary closure to seal the container for a while, and permanent closure to seal the container completely. It gives you great flexibility in disposable sharps treatment.



M Series

Product Code	Product Size (mm)	Volume (L)	Carton Qty
MI279	35 x35 x140	0.07	192
MI207	100 x55 x220	0.6	100
MI312	115 x155 x98	1.0	60
MI235	110 x95 x270	1.4	50
MI128	210 x155 x255	5.0	20
MI313	245 x175 x180	7.0	20
MI218	352 x352 x660	40.0	3

U Series



Product Code	Product Size (mm)	Volume (L)	Carton Qty
U-R1	115x125	1	200
U-R3	160x185	3	100
U-R5	195x210	5	100
U-R8	220x245	8	50
U-R10	230x250	10	50
U-R15	265x270	15	50



IMPROMINI®
Capillary Blood Collection System



Capillary Blood Collection Tubes



M11 Type

Capillary Blood Collection Tube W/O capillary tube, safety cap

Product Code	Color	Additive	Volume (ml)	Pack/Carton Qty
5636105	Red	Clot Activator	0.5	50/1000
5636205	Gold	Clot Activator/Gel	0.5	50/1000
5636505	Green	Lithium Heparin	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
Amber Tube				
5636305	Gold	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	Gold	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				
5626102	Red	Clot Activator	0.2	20/1000
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