



MediPlus

Top Quality & Affordable

Blood Collection Tubes & Accessories



Company & Product Guide



日溢健康有限公司
Sunphoria Co., Ltd.



Company Profile

Medical Division

Headquartered in Taiwan, Sunphoria Co., Ltd. has been operating in the medical and health field for years. Our main focus is on the research, development, manufacturing and marketing of medical consumables, with products including vacuum blood collection tubes, blood collection needles, needle holders, tourniquets, sharps containers, and safety blood lancets. Our comprehensive product catalogue saves you time and efforts when purchasing medical consumables for your organization.

In order to increase our global competitive edge in both price and quality, our main product lines are currently manufactured in Taiwan and China. Our production process meets strict local and international standards of operations and quality control requirements; therefore, the quality and stability of our products are always guaranteed. We also take pride in our professional and prompt service, which ensures that all requests of our clients are handled efficiently.

What Sunphoria offers is a unique combination that reflects our readiness to set foot in the global market as a proud Taiwanese brand. With the benefits of low costs from our manufacturing locations and the top quality that stands head to head with major industry players, our clients will for sure find incredible value in the products and services that we provide.

Health & Beauty Division

In 2008, Sunphoria entered the local health & beauty market with plans to introduce a series of vitamins, herbal foods, herbal beverages and skin care products. C Care, our first product that hit the local market, is a unique blend of Vitamin C and Vitamin B in a light, delicious powder form. More products will be introduced to the Taiwan market throughout the following years.



Sunphoria Proudly Presents...

MediPlus

Our Premium Brand for Top Quality & Affordable
Blood Collection Tubes & Accessories

Brand Overview

When it comes to medical consumables, quality matters. On the other hand, as medical disposables are usually purchased in a bulk volume, affordability also matters.

That's when we come in, to offer you MediPlus, Sunphoria's premium brand for affordable, top quality blood collection tubes and accessories.

As a proud Taiwanese company, we can assure you that all of our production sites, whether in Taiwan or China, have the same strict production and quality control standards from our management in Taiwan. That's how we can make sure that the quality of our products is superior to other China-based suppliers you might find on the market. With the advantages of lower production costs of our manufacturing locations, our clients can also enjoy competitive and affordable prices with peace of mind.

People do not stop buying iPods even though the devices might be made in some unknown country, because they find Apple a trustworthy brand. And that's what we are thriving to become. Top quality and affordability are two monumental principles that Sunphoria was founded on. If you are looking for an alternative to the major brands on the market, Sunphoria's MediPlus is a perfect contender that you must consider.



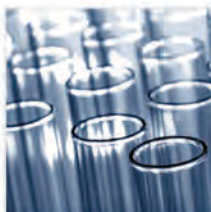
MediPlus Blood Collection Tubes

Product Advantages



State-of-the-Art Production

- Top plastic injection molding technology from Taiwan.
- Precision-machined tooling provides excellent stability.
- Tube inner walls are cleaned with deionized water before production. Advanced spray coating technology is utilized to ensure even coverage of pre-measured additives on the inner walls.



Top Quality PET Tubes

- Latex-free PET provides glass-like, hydrophobic characteristics. They are solid (able to withstand centrifugal force up to 3,000g), light-weighted and shatter resistant. Easy to transport and discard.
- Tubes will not produce toxins when incinerated.
- PET tubes can be stored at a temperature as low as -20°C.



Advanced Closure Design

- Advanced two-part closure design guarantees a perfect fit between outer plastic cap and inner rubber stopper. The closure can be easily removed and does not cause blood spillage, which ensures complete safety during collection and testing process.
- Caps are colored based on universal color-coding system. Easy to recognize, thus preventing errors during the collection process.



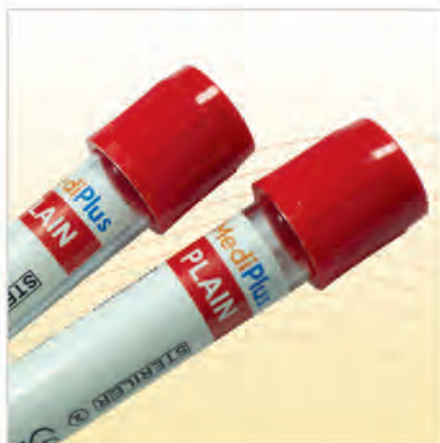
High Purity Butyl Rubber

- Our rubber stoppers are made of high purity butyl rubber that allows smooth and easy needle penetration.
- Does not produce rubber dust.
- Enhanced fit with the tubes creates optimal vacuum rate and prolongs product life.

Certification

- ISO13485 and CE certified.

Plain Tubes



Purpose:

These tubes are generally used for serum tests in the fields of serum biochemistry and serum immunology.

Additives:

Our plain tubes come in two types: one with clot accelerator, and the other with no additives.

Our clot accelerator is in the forms of thrombin coagulant and coagulation inducer, both of which were treated with advanced technology, to ensure that blood samples are in an exceptional state for testing after centrifugation. The serum is clear and transparent after centrifugation, and no inner wall build-up will ever occur. We utilize the most advanced spray coating technique, so that the coagulant is spread evenly on the inner walls of the tubes. Once the blood sample enters the tube, it interacts with the coagulant completely, preventing possible fibrinogen precipitation or hemolysis due to incomplete or uneven coagulation. In addition, it also prevents any particles from contaminating the samples or clogging the sample analyzers.

Our thrombin coagulant uses a unique drying technique under constant temperature, which helps activate coagulation factor I directly. It helps with the coagulation of some patients' samples if they lack a certain coagulation factor. The coagulation inducer can activate coagulation factor XII, to shorten the clotting process. It can also prevent breakage of blood cells which is normally difficult to deal with during the process of quick coagulation.

Recommendation:

Invert and back the sample 5 to 6 times. For centrifugation, run the sample at $\leq 1,300g$ for 10 minutes.

Specifications:

Product No.	Volume	Size(mm)	Additives	Material	Box/Case Qty
VP4011	4ml	13 x 75	Clot Accelerator	PET	100/1000
VP6012	6ml	13 x 100	Clot Accelerator	PET	100/1000
VP1013	10ml	16 x 100	Clot Accelerator	PET	100/1000
VP4000	4ml	13 x 75	None	PET	100/1000
VP6000	6ml	13 x 100	None	PET	100/1000
VP1000	10ml	16 x 100	None	PET	100/1000



SST(Gel) Tubes



Purpose:

These tubes are generally used to separate serum from blood cells, thus preserving the biochemical characteristics of serum for accurate test results.

Additives:

SST separation gel and clot accelerator. Our separation gel is made of inert, high purity material, which is stable physically and chemically. The gel can withstand high temperatures, normally over 90°C, so that it can prevent changes in biochemical characteristics due to high temperatures during transportation. The molecular weight of the gel falls between serum and blood cells; therefore, after centrifugation, no substance exchange between serum and the blood cells will occur. The goal is to maintain biochemical properties and composition of the serum after a long period of time. Since the molecular weight of the separating gel is homogeneous, it prevents small molecular substances from coming to the surface of the serum.

Recommendation:

Invert and back the collected sample 5 to 6 times. For centrifugation, run the sample at 1300-2000g for 10 minutes.

Specifications:

Product No.	Volume	Size(mm)	Additives	Material	Box/Case Qty
VP3531	3.5ml	13 x 75	Gel / Clot Accelerator	PET	100/1000
VP5032	5ml	13 x 100	Gel / Clot Accelerator	PET	100/1000
VP8033	8ml	16 x 100	Gel / Clot Accelerator	PET	100/1000

Technical Indicators of Coagulant & Coagulant w/ Separation Gel

Indicator Type	Vacuum Rate Deviation	Coagulation Speed (20°C)	Clot Constriction	Hemolysis Time (4-25°C)	Sample Preservation Time (4°C)	Storage Temperature of Empty Tubes
Coagulant	≤5%	10-20min	30—60min	72h	>72h	0—45°C
Separation Gel w/ Coagulant	≤5%	10-20min	30—60min	72h	>72h	0—45°C

EDTA K3 Tubes


Purpose:

These tubes are generally used for whole blood Haematology tests. EDTA K3, when used as an anticoagulant, has minimal impact on red and white blood cells. Thus it is widely used in whole blood examination.

Additives:

EDTA K3 (K2, 2Na also available)

Recommendation:

Invert and back the collected sample 8 to 10 times.

Specifications:

Product No.	Volume	Size(mm)	Additives	Material	Box/Case Qty
VP2081	2ml	13 x 75	EDTA K3	PET*	100/1000
VP3081	3ml	13 x 75	EDTA K3	PET*	100/1000
VP4081	4ml	13 x 75	EDTA K3	PET*	100/1000

* Glass Tubes Also Available

Sodium Citrate Tubes


Purpose:

These tubes are generally used for blood coagulation tests. Sodium Citrate acts as an anticoagulant and has minimal impact on blood cells and platelets. The ratio of anticoagulant and blood volume is 1 to 9.

Additives:

3.8% Sodium Citrate

Recommendation:

Invert and back the collected sample 3 to 4 times. For centrifugation, run the sample at 2000-2500g for 10 to 15 minutes.

Specifications:

Product No.	Volume	Size(mm)	Additives	Material	Box/Case Qty
VP1871	1.8ml	13 x 75	Sodium Citrate	PET	100/1000
VP2771	2.7ml	13 x 75	Sodium Citrate	PET	100/1000
VP4571	4.5ml	13 x 75	Sodium Citrate	PET	100/1000

Lithium Heparin Tubes



Purpose:

These tubes are generally used for plasma tests in clinical chemistry. Lithium Heparin is a form of anticoagulant that prevents the forming of thrombin and platelets aggregation. Separation Gel (for available models) is added to separate plasma from blood cells, which can enhance the purity of sampled plasma.

Additives:

Lithium Heparin (w/ Separation Gel for available models)

Recommendation:

Invert and back the collected sample 8 to 10 times. For centrifugation, run the sample at $\leq 1300g$ for 10 minutes. For tubes with Gel, run the sample at 1300-2000g for 10 minutes.

Product No.	Volume	Size(mm)	Additives	Material	Box/Case Qty
VP4041	4ml	13 x 75	Lithium Heparin	PET	100/1000
VP6042	6ml	13 x 100	Lithium Heparin	PET	100/1000
VP9043	9ml	16 x 100	Lithium Heparin	PET	100/1000
VP3561	3.5ml	13 x 75	Lithium Heparin / Gel	PET	100/1000
VP5062	5ml	13 x 100	Lithium Heparin / Gel	PET	100/1000
VP8063	8ml	16 x 100	Lithium Heparin / Gel	PET	100/1000

ESR Tubes



Purpose:

These tubes are used for ESR (Erythrocyte Sedimentation Rate) tests. Sodium Citrate is added as an anticoagulant. The ratio of blood volume to anticoagulant is 4 to 1. These tubes are also available in 1.6ml glass form. The 1.6ml glass tubes are used in combination with a ESR analyzer.

Additives:

3.8% Sodium Citrate.

Recommendation:

Invert and back the collected sample 8 to 10 times.

Specifications:

Product No.	Volume	Size(mm)	Additives	Material	Box/Case Qty
VG16C1	1.6ml	8 x 120	Sodium Citrate	Glass	100/1000
VP24C1	2.4ml	13 x 75	Sodium Citrate	PET	100/1000
VP32C1	3.2ml	13 x 75	Sodium Citrate	PET	100/1000

Fluoride Oxalate Tubes


Purpose:

These tubes are generally used for glucose tests. Sodium Fluoride and Oxalate are added to decrease enzymatic activity and glucose metabolism in collected sample.

Additives:

Sodium Fluoride and Oxalate

Recommendation:

Invert and back the collected sample 8 to 10 times. For centrifugation, run the sample at $\leq 1300g$ for 10 minutes.

Specifications:

Product No.	Volume	Size(mm)	Additives	Material	Box/Case Qty
VP2091	2ml	13 x 75	Fluoride Oxalate	PET	100/1000
VP3091	3ml	13 x 75	Fluoride Oxalate	PET	100/1000

Needles & Holders



- Bevel angle is carefully calculated to provide resistance that allows easy penetration and prevents discomfort to patients.
- Advanced thin needle walls that help preserve blood cells.
- Sterilized with Ethylene Oxide.
- Holders fit perfectly with blood collection tubes and can be used repeatedly.

Product No.	Product Name	Cap Color	Specs.	Box Qty
G1810	Blood Collection Needle	Pink	18G, 1"	100
G1815	Blood Collection Needle	Pink	18G, 1.5"	100
G2015	Blood Collection Needle	Yellow	20G, 1.5"	100
G2115	Blood Collection Needle	Green	21G, 1.5"	100
G2215	Blood Collection Needle	Black	22G, 1.5"	100
H0001	Needle Holder	Clear		200



Size Chart

Our blood collection tubes can also be made into custom specifications.

Size (mm)	Volume
13 x 75	1.8ml, 2ml, 2.5ml, 2.7ml, 3ml, 3.5ml, 4ml, 4.3ml, 4.5ml, 5ml
13 x 100	4ml, 4.5ml, 5ml, 6ml, 7ml
16 x 100	8ml, 8.5ml, 9.5ml, 10ml



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