

LIFE

Preanalytical solutions

2020

Immunospark

Immunospark is an ISO9001 and ISO13485 certified provider of high quality diagnostic solutions in the POC, Immunology and Molecular diagnostics field.

The partners/customers of Immunospark can access an easy and sustainable “*Diagnostic Information*” as a key for the global health systems to provide a better qualified and on time input to face a critical disease. Prevention of disease and personalized therapy are now being a reality for patients and physicians, provided that an innovative, integrated approach to diagnostics is made available.

Our Mission

After 20 years of experience in the product design, development, manufacturing and marketing of systems in the Immunology and Molecular Diagnostics fields, the mission of Immunospark is to make integrated diagnostic formats available to our customers and partners.

While this, we keep to develop new products and diagnostic solutions based on the increasing demand for standardized, qualified and automated systems at a sustainable price.

LIFE products

IMMUNOSPARK offers a wide range of preanalytical solution composed by consumables for Blood, urine and capillary sampling activities.

Additionally innovative equipment are available providing easyness, traceability, comfort and automation.

VENOUS BLOOD COLLECTION

SERUM ANALYSIS

REF	Volume(ml)	Size(mm)	Description	Material	CAP
PACA13754	4	13x75	Clot activator	PET	RED
PACA131006	6	13x100	Clot activator	PET	RED
PACA161004	4	16x100	Clot activator	PET	RED

Clot Activator Tube (PACA)

In the plastic tubes the material is not sufficient to generate the coagulation quickly enough. For this reason the tube must have a coagulation activator added.

The LIFE PACA plastic serum vacuum tubes have particles added to fulfill this purpose.

Clotting times

The recommended minimum time for the coagulation of samples from patients who have not been submitted to anticoagulants is 60 minutes for serum (red).

It is suggested to gently mix the tube for 5-6 times.

Centrifuging conditions

≤ 1200 g for 10 minutes at 18-25°C for glass serum tubes
 ≤ 1300 g for 10 minutes at 18-25°C for plastic serum tubes



VENOUS BLOOD COLLECTION

SERUM ANALYSIS

REF	Volume(ml)	Size(mm)	Description	Material	CAP
PANA13753	3	13x75	No Additive	PET	RED
PANA131007	7	13X100	No Additive	PET	RED
PANA1610010	10	16x100	No Additive	PET	RED

No Additives tubes (PANA)

PANA TUBES are not equipped with additives and are useful as a secondary tube for anti-coagulated blood samples that can be used to withdraw samples from other containers like for example for taking plasma samples from blood bags.

They can also be used as discard tube.



VENOUS BLOOD COLLECTION

SERUM ANALYSIS

REF	Volume(ml)	Size(mm)	Description	Material	CAP
PAGC13754	4	13x75	Gel+Clot Activator	PET	YELLOW
PAGC131006	6	13X100	Gel+Clot Activator	PET	YELLOW
PANA161009	9	16x100	Gel+Clot Activator	PET	YELLOW

Gel+CA tubes (PAGC)

During the centrifugation, the gel contained in the PAGC tubes separates the serum and the blood clot preventing the contamination of the serum from the separated cellular components, while the clot activator provides high quality serum.

Specific analytes such as potassium, phosphorus and glucose must be separated from the cells within a few hours to avoid false results.

With PAGC LIFE tubes routine analytes in clinical chemistry like potassium and glucose are still stable after days at 2-8°C.

Special analytes have shown high stability with the gel contained in the PAGC LIFE tubes.

PAGC LIFE tubes provide:

- physical barrier between serum and clotted blood,
- Better sample quality preserving specific analytes
- Improvement of work flow due to shorter centrifugation time, sample processing and archiving in the primary tube
- No need of secondary tubes

Centrifugation conditions

1300-2000 g for 10 minutes or alternatively, 3000 g for 5 minutes at 18-25°C1 .



VENOUS BLOOD COLLECTION

PLASMA ANALYSIS

REF	Volume(ml)	Size(mm)	Description	Material	CAP
PASH13755	5	13x75	Lithium Heparin	PET	GREEN
PASH131007	7	13X100	Lithium Heparin	PET	GREEN
PASH1610010	10	16x100	Lithium Heparin	PET	GREEN
PALH13755	5	13x75	Sodium Heparin	PET	GREEN
PALH131007	7	13X100	Sodium Heparin	PET	GREEN
PALH1610010	10	16x100	Sodium Heparin	PET	GREEN

Lithium Heparin/Sodium Heparin tubes (PALH and PASH)

PALH plasma tubes for clinical chemistry are filled with sodium heparin or lithium heparin additives.

Heparin acts as an anticoagulant as it develops an antithrombin complex.

The lithium heparin coated on the inner walls of the tubes with a system that guarantees the best solubility.

For clinical chemistry, we recommend the lithium heparin tubes over the sodium heparin.

Centrifugation conditions

≤ 1300 g for 10 minutes at 18-25°C

Mixing recommendation

Plasma tubes must be gently inverted 180° and back around 10 times immediately after the blood sampling to avoid any clotting.



VENOUS BLOOD COLLECTION

HAEMATOLOGY

REF	Volume(ml)	Size(mm)	Description	Material	CAP
PAED13755	5	13x75	EDTA	PET	LAVENDER
PAED131007	7	13X100	EDTA	PET	LAVENDER
PAED1610010	10	16x100	EDTA	PET	LAVENDER

EDTA tubes (EDTA K3 / EDTA K2) (PAED)

EDTA salts (ethylene diamine tetra acetic acid) are used for the anticoagulation of whole blood for haematological investigations as the cellular material of the blood is specifically preserved by EDTA. It has anticoagulant properties because it forms chemical complexes, resulting in the inhibition of the coagulation cascade.

Anticoagulation with EDTA is irreversible.

The PAED tubes are compliant with the guidelines of the ICSH (International Council Society of Haematology) and the CLSI (Clinical and Laboratory Standards Institute). The institutes recommend dipotassium EDTA salt (K2 EDTA) for haematological investigation.

Mixing recommendation

The tube shall be inverted around 10 times immediately after the blood sampling to avoid clotting.



VENOUS BLOOD COLLECTION

GLUCOSE ANALYSIS

REF	Volume(ml)	Size(mm)	Description	Material	CAP
PASF13755	5	13x75	Glucose	PET	GREY
PASF131007	7	13X100	Glucose	PET	GREY
PASF1610010	10	16x100	Glucose	PET	GREY

GLUCOSE tubes (Sodium Heparin+Sodium Fluoride) (PASF)

The PASF tubes are specifically designed for glucose and lactate determination assays.

The PASF tubes are available in Sodium Heparin+Sodium Fluoride.

This additives are needed as the glucose concentration in unpreserved blood samples decreases quickly after Sampling being the glucose metabolized by the blood Cells through a specific metabolic pathway.

The additives contained in PASF tubes stops this pathway.

With the same tubes is possible to determine also the Concentration of HbA1c without using an additional tube.

Centrifugation conditions

≤1300 g for 10 minutes at 18-25°C

Mixing recommendation

PASF tubes should be gently inverted 180° and around 10 times.



VENOUS BLOOD COLLECTION

COAGULATION

REF	Volume(ml)	Size(mm)	Description	Material	CAP
PASC13755	4,5	13x75	Sodium citrate	PET	BLUE
PASC131005	4,5	13X100	Sodium citrate	PET	BLUE
PASC1610010	9	16x100	Sodium citrate	PET	BLUE

SODIUM CITRATE tubes (3.2%/3.8% Sodium Citrate) (PASC)

The PASC tubes of Sodium citrate are used for Coagulation assays and are compliant with the recommendation of CLSI (Clinical and Laboratory Standards Institute).

The Sodium Citrate concentration can affect the tests for TP and TTPa, especially for those patients subjects to anticoagulante therapies and with ultrasensitive reagents.

For this reason, it is important the values of TP and TTPa must be calculated fixing a Citrate concentration, that must be the same for all the samples tested.



VENOUS BLOOD COLLECTION

ESR

REF	Volume(ml)	Size(mm)	Description	Material	CAP
PAES13754	4	13x75	ESR	PET	BLACK
PAES81202	1,6	13X100	ESR	GLASS	BLACK
PAESRACK	-	-	RACK	-	-

ESR tubes (3.8% Sodium Citrate) (PAES)

The PAES tubes are designed for blood sedimentation without the use of sedimentation pipettes.

The blood is taken directly into the PAES tubes and turned end-over-end around 10 times.

Immediately before the tubes are placed in the supplied rack for measurement, the tubes must be mixed again.

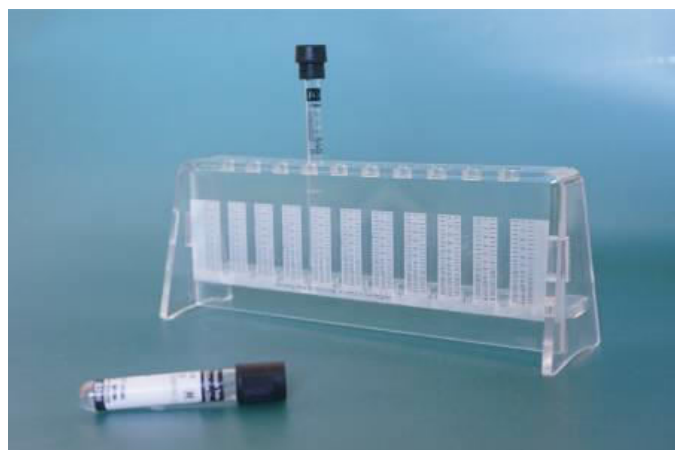
After one or two hours the results are read.

The rack holds a maximum of 10 tubes and has a height adjustable zero mark.

The measurement results achieved correspond to the Westergren method.

Mixing recommendation

ESR (Erythrocyte Sedimentation Rate) tubes should be gently inverted 180° and back 8-10 times.



VENOUS BLOOD COLLECTION

COLLECTION NEEDLES & ACCESSORIES

REF	Specification	Length(mm)	Description	Material	CAP
PAMN1825	18G	25	Multisample needle	-	PINK
PAMN2025	20G	25	Multisample needle	-	YELLOW
PAMN2125	21G	25	Multisample needle	-	GREEN
PAMN2225	22G	25	Multisample needle	-	BLACK
PAMN2325	23G	25	Multisample needle	-	BLUE



REF	Specification	Length(mm)	Description	Material	CAP
PABN2134	21G	3/4"	Butterfly needle	-	GREEN
PABN2234	22G	3/4"	Butterfly needle	-	BLACK
PABN2334	23G	3/4"	Butterfly needle	-	BLUE
PABN2434	24G	3/4"	Butterfly needle	-	ORANGE
PALA21	21G 21G	-	Luer adapter	-	GREEN LIGHT GREEN
PALA20	20G 20G	-	Luer adapter	-	WHITE LIGHT GREEN
PALA2020	20G 20G	-	Luer adapter	-	LIGHT GREEN LIGHT GREEN

VENOUS BLOOD COLLECTION

COLLECTION NEEDLES & ACCESSORIES

REF	Specification	Length(mm)	Description	Material	CAP
PANH2134	21G	3/4"	Butterfly with holder	-	GREEN
PANH2134	22G	3/4"	Butterfly with holder	-	BLACK
PANH2134	23G	3/4"	Butterfly with holder	-	BLUE
PANH2134	25G	3/4"	Butterfly with holder	-	ORANGE
PALH21	21G	-	Luer adapter with holder	-	GREEN
PALH20	20G	-	Luer adapter with holder	-	WHITE
PALH2020	20G	-	Luer adapter with holder	-	LIGHT GREEN
PAHO	-	Universal	Holder	-	Transparent
PASN2112	21G	1 1/2"	Safety needle	-	GREEN
PASN2212	22G	1 1/2"	Safety needle	-	BLACK



CAPILLARY BLOOD COLLECTION

LANCETS

REF	Specification	Depth(mm)	Description	Packaging	COLOR
PANL2818	28G	1,8	Botton safety lancet	100 pieces	LAVENDER
PANL2324	23G	2,4	Botton safety lancet	100 pieces	LIGHT GREEN
PANL2618	26G	1,8	Botton safety lancet	100 pieces	-YELLOW
PANL2124	21G	2,4	Botton safety lancet	100 pieces	PURPLE
PANL2122	21G	2,2	Botton safety lancet	100 pieces	RED
PANL2128	21G	2,8	Botton safety lancet	100 pieces	PINK
PANL1818	18G	1,8	Botton safety lancet	100 pieces	GREEN

ESR tubes (3.8% Sodium Citrate)

The contact-activated safety single-use lancet enables it to be held securely and the sampling point precisely located.

This device avoid to be used twice.

Its intuitive handling requires minimum training. The lancet is activated by being pressed onto the sampling location.

Then the sharp point retracts automatically into the housing. This lancet is available in various sizes: depending from the penetration depth.



VENOUS BLOOD COLLECTION

VEIN VISUALIZATION

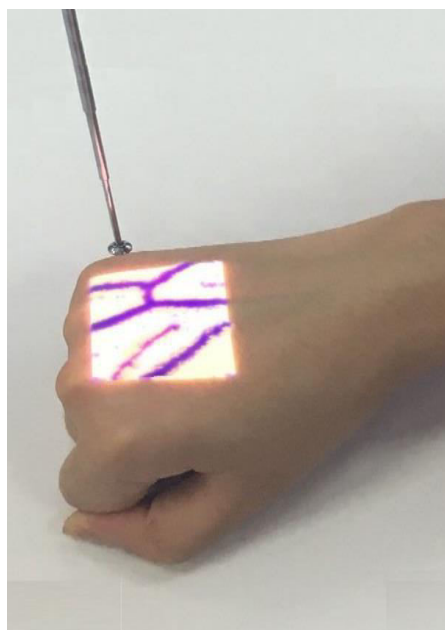
REF	Volume(ml)	Size(mm)	Description	Material	CAP
EQPA001	4	13x75	ESR	PET	BLACK
EQPA001PLUS	1,6	13X100	ESR	GLASS	BLACK

FOCUS VEIN ENHANCING SYSTEM

FOCUS é o novo visualizador de veias que auxilia o coletador a localizar a área mais apropriada para a coleta.

FOCUS usa uma tecnologia de luz infravermelha fria para detectar e expor as veias subcutâneas. A alta definição da imagem permite que você verifique com segurança a orientação e a distribuição vascular antes de fazer qualquer tentativa de coleta.

FOCUS pode ser usado em versão manual ou combinada com o suporte intensificador de imagem.



URINE COLLECTION

CONTAINERS AND TUBES

REF	Volume(ml)	Size(mm)	Description	Material	CAP
PAUT1375R	4	13x75	No additive round	PET	BLACK
PAUT1375C	1,6	13X100	No additive conical	GLASS	BLACK
PAUT001	-	50 pieces	Urine Container	Plastic	-
PAUT001FUN	-	50 pieces	Urine collection funnel	Plastic	-

ESR tubes (3.8% Sodium Citrate)

LIFE PAUT urine collection system is a standardized and hygienic system that can be used directly in the patient site. It provides both patient and user with the advantages of a closed system that will provide reliable diagnostic results.

It can be associated with the use of the funnel for patient friendly sampling.

Once sampled from the various patient collection sites, the urine sample can be easily transferred in vacuum tubes with round or conical bottom. User has no contact with the samples.

The tubes are ready to be used in systems that assay the primary tube.



Sales conditions

Orders

Orders must bring the heading of the client and the complete social reason, the VAT number or tax identification number, the number of order and the date, the reference to the offer of Immunospark, the banking coordinates, the address of delivery of the commodity and eventually the schedules of delivery.

Send orders to:

e-mail orderentry@immunospark.com

e-mail sales@immunospark.com

Shipping

The commodity travels for account and to risk of the buyer.

Claims

Claims on the received commodity must be introduced through certified letter, attaching bead of delivery, within 10 days from the reception of the commodity.

Payments

Payments must be realized in the suitable terms on the offer referred to the last order. In case of missed payment at the expiration date, Immunospark will be free of every obligation of supply previously assumed.

Competent Court

For every legal controversy, the competent court will be the Court of Rome, Italy.

Certificates



ISO 9001:2015

ISO 13485:2016



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