

BIOTAPLAST
BLOOD COLLECTION SYSTEM



BIOTAPLAST PRODUCT RANGE

Biotaplast blood collection tubes are made of PET and color coded according to the appropriate additive and International Standards (ISO6710). Each tube has its own vacuum state for collection of blood with proper quantity and marked on label for blood collection and additives in the tube.

Plain Tube		No additive
Pro-Coagulation Tube		Clot Activator
Gel & Clot Activator Tube		Gel & Clot Activator
K ₂ EDTA Tube		K ₂ EDTA
K ₃ EDTA Tube		K ₃ EDTA
Coagulation Tube		Sodium Citrate
Coagulation (ESR Tube)		Sodium Citrate
Heparin Tube		Sodium Heparin or Lithium Heparine
Glucose Tube		Sodium Fluoride+EDTA or + Potassium oxalate



BIOTAPLAST
PRIORITY IS QUALITY...

Basing on literatures, "46-48% of all laboratory errors occur in preanalytical phase, and 12,5% of preanalytical laboratory errors may cause an erroneous medical decision"*

*Source: Becan-Mc bride K. Laboratory Sampling: Does The Process Affect The Outcome? Journal of Intravenous Nursing May-June 1999, Vol.22, No.3

*Source: M.Plebani Carraro P. Mistakes in a stat Laboratory: types and frequency. Clinical Chemistry 1997, 43:8 1348-1351

ORDER OF BLOOD COLLECTION FOR MULTIPLE TUBE COLLECTIONS

- ▶ **Coagulation**
Mix by inverting 3-4 times
- ▶ **No Additive**
Mix by inverting 5 times
- ▶ **Gel Separator & Clot Activator**
Mix by inverting 5 times
- ▶ **Heparin (Gel)**
Mix by inverting 8-10 times
- ▶ **EDTA**
Mix by inverting 8-10 times
- ▶ **Glucose**
Mix by inverting 8-10 times

SERUM PLAIN TUBE

Plain Tube is used in blood collection and storage for biochemistry, immunology and serology tests for medical testing. It can provide enough and non-polluted serum specimen for clinical tests, while keeping the serum invariable in long inspection period.



Color	Code	Volume (ml)	Size (mm)	Additives	Packing Qty
	BIOTA-PANR4	1-4 ml	13 x 75	None	1200 pcs/Box
	BIOTA-PBNR6	5-7 ml	13 x 100	None	1200 pcs/Box
	BIOTA-PCNR9	7-10 ml	16 x 100	None	1200 pcs/Box

PRO-COAGULATION TUBE

Pro-Coagulation Tube is used in blood collection and storage for biochemistry and immunology tests. Its main merit is that it is suitable for a wide range of operation, fast in coagulation, and free from both secondary separation of fibrin protein and the cracking of blood corpuscle.



Color	Code	Volume (ml)	Size (mm)	Additives	Packing Qty
	BIOTA-PAC4	1-4 ml	13 x 75	Coagulant	1200 pcs/Box
	BIOTA-PBC6	5-7 ml	13 x 100	Coagulant	1200 pcs/Box
	BIOTA-PCC9	7-10 ml	16 x 100	Coagulant	1200 pcs/Box

GEL & CLOT ACTIVATOR TUBE

Gel & Clot Activator Tube is used for clinical biochemistry and immunology. Inside the tube there is a barrier gel present at the bottom, which is a pure substance, very stable in physical and chemical features. After centrifugation, the barrier can effectively separate the serum from fibrin and cells, while preventing substance exchange between blood cell and serum. As a result, it can keep biochemical characteristics and chemical components of serum unchanged for a long time.



Color	Code	Volume (ml)	Size (mm)	Additives	Packing Qty
	BIOTA-PAGC3	1-4 ml	13 x 75	Gel& Clot Activator	1200 pcs/Box
	BIOTA-PAGC5	5-7 ml	13 x 100	Gel& Clot Activator	1200 pcs/Box
	BIOTA-PAGC8	7-10 ml	16 x 100	Gel& Clot Activator	1200 pcs/Box

EDTA TUBE

EDTA Tube is widely used in clinical hematology as well as various kinds of blood cell test instruments. It makes use of EDTA K2/EDTA K3 as anticoagulant. Meanwhile, it offers a comprehensive protection for blood, especially for protecting the blood platelet, so that it can effectively stop the gathering of blood platelet and makes the form and volume of blood cells unchange in a long time. EDTA tube can be used in direct sampling analyzers without actually being opened.



Color	Code	Volume (ml)	Size (mm)	Additives	Packing Qty
	BIOTA-PAEK3	1-4 ml	13 x 75	K2 EDTA or K3EDTA	1200 pcs/Box
	BIOTA-PBEK6	5-7 ml	13 x 100	K2 EDTA or K3EDTA	1200 pcs/Box
	BIOTA-PCEK10	7-10 ml	16 x 100	K2 EDTA or K3EDTA	1200 pcs/Box

PT TUBE

PT Tube is mainly used for the test of blood coagulation mechanisms. It is filled with buffered tri-sodium citrate solution, and citrate concentrations of either 0,109 mol/l (3,2%) or 0,129 mol/l (3,8%) are available. The choice of the concentration depends upon the policies of the laboratories.



Color	Code	Volume (ml)	Size (mm)	Additives	Packing Qty
	BIOTA-PA9SC2	1-4 ml	13 x 75	3,2% Sodium Citrate	1200 pcs/Box
	BIOTA-PB9SC5	5-7 ml	13 x 100	3,2% Sodium Citrate	1200 pcs/Box

HEPARIN TUBE

Heparin Tube is used in blood collection and anti-coagulation not only for routine clinical biochemistry tests but also for some items in blood rheology. It is coated with heparin lithium or heparin sodium. The anticoagulant heparin activates antithrombins thus blocking the coagulation cascade and producing a whole blood/plasma sample instead of clotted blood plus serum. Anticoagulation Blood sample should be used within 6 hours after sampling otherwise the blood will coagulate again.



Color	Code	Volume (ml)	Size (mm)	Additives	Packing Qty
	BIOTA-PALH4	1-4 ml	13 x 75	Heparin Lithium	1200 pcs/Box
	BIOTA-PBLH5	5-7 ml	13 x 100	Heparin Lithium	1200 pcs/Box

ESR TUBE

ESR Tube is used in blood collection and anticoagulation for sedimentation rate test. It contains a 3.8% buffered tri-sodium citrate solution (0.129mol/l) with the mixing ratio of 1 part citrate solution to 4 parts blood.



Color	Code	Volume (ml)	Size (mm)	Additives	Packing Qty
	BIOTA-PA4SC2	1,6-2,4 ml	13 x 75	3,2% /3,8% sodium citrate	1200 pcs/Box
	BIOTA-PD4SC16	1,6 ml	8 x 120	3,2% /3,8% sodium citrate	1200 pcs/Box

GLUCOSE TUBE

Glucose Tube is used in blood collection and anticoagulation for the analyses such as blood sugar, sugar tolerance, anti-alkali hemoglobin and sugar water. It is available with different additives, sodium fluoride/potassium oxalate and sodium fluoride/ammonium fluoride/potassium oxalate. Now we use inhibitor for glycolysis.

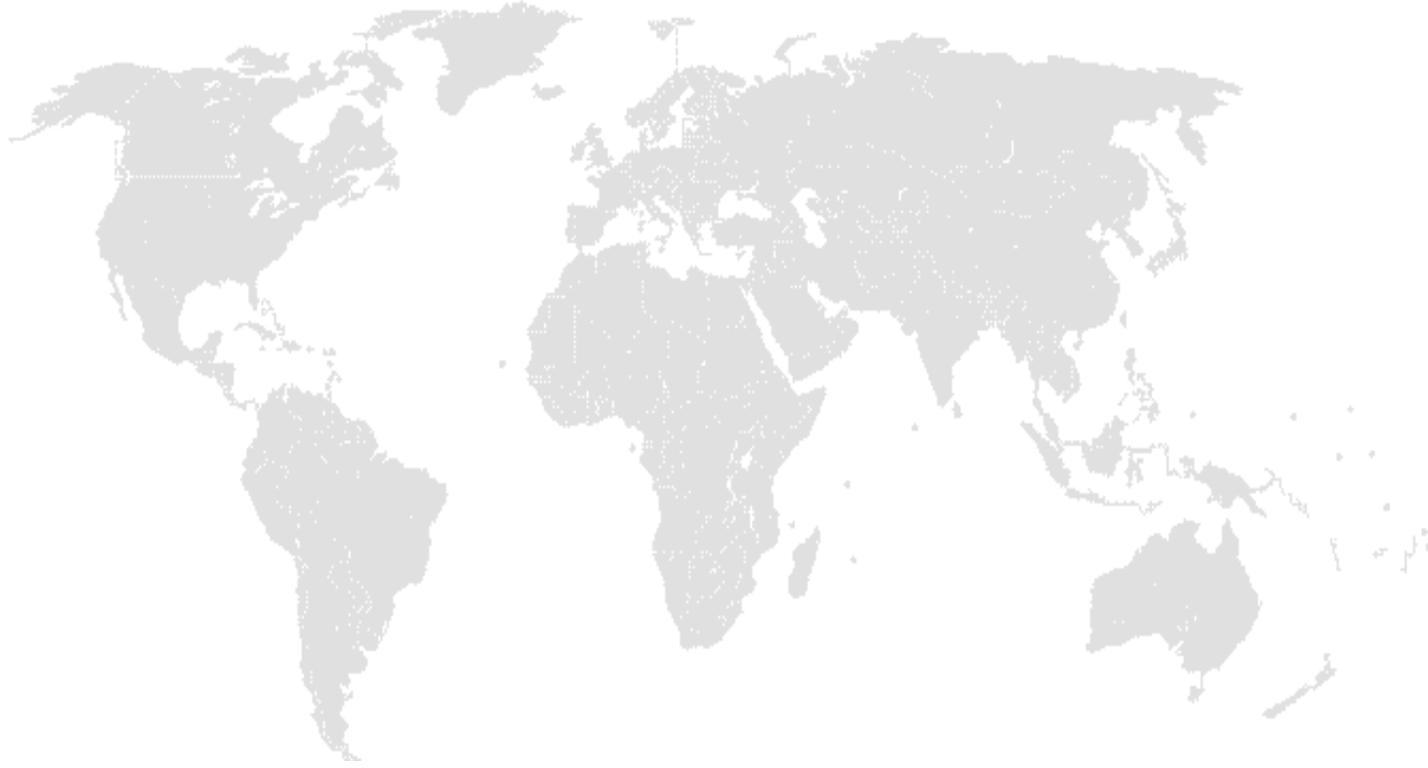
Color	Code	Volume (ml)	Size (mm)	Additives	Packing Qty
	BIOTA-PAP3	1-5 ml	13 x 75	Inhibitor, Sodium fluoride+EDTA, Sodium fluoride+Potassium oxalate	1200 pcs/Box
	BIOTA-PBP5	5-7 ml	13 x 100	Inhibitor, Sodium fluoride+EDTA, Sodium fluoride+Potassium oxalate	1200 pcs/Box

ADVANTAGES OF BIOTAPLAST

1. Accurate & fine spray technology of additives.
2. Soft safety cap for decapping & recapping and minimized force for manual decapping.
3. Optimized tube dimension for all types of instruments.
4. Gel tube without influence on hormone and TDM.
5. Compatible raw material and size to NCCLS instructions and advices.
6. Minimized eccentricity to keeping vacuum at optimal condition until expiry date.
7. Optimal hardness and functionality of rubber stopper for blood collection.
8. Compact package for delivery and storage.
9. All of production steps controlled by automated sensor to eliminate any problem.
10. Complete product range made of virtually unbreakable plastic.



Your work is
an important service
to people entrusted
to your care ...



BIOTA GROUP

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Feel the excellence...

