# covetrus 📚

## **Blood Collection Tube**

### For veterinary use

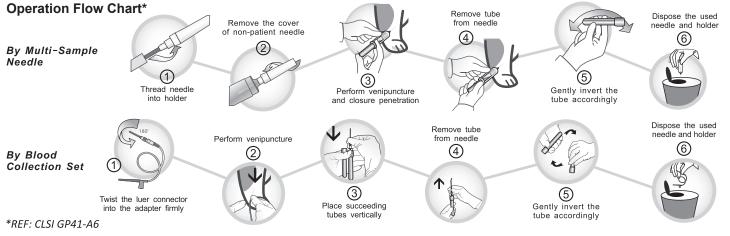
#### Intended Use

Covetrus<sup>®</sup> Blood Collection Tubes, needles, holders, and tourniquets are used together as a system for the collection of venous blood. Covetrus Blood Collection Tubes are used to collect, transport, and process blood for testing serum, plasma, or whole blood in the clinical laboratory.

#### **Order of Draw\***

ovetrus Blood Collection Tube Color		Additive	Test Items	Inversions	
Blood Culture Bottle / No Additive Tube as Discard Tube	/	/	/	0	
Citrate Tube (9NC)	Blue	Sodium Citrate 0.129mol/L(3.8%) 0.109mol/L(3.2%)	Coagulation Determinations on Plasma Specimens	3~5	
ESR Tube (4NC)	Black	Sodium Citrate 0.129mol/L(3.8%) 0.109mol/L(3.2%)	Erythrocyte Sedimentation Rate (ESR)	3~5	
No Additive Tube	Red	/	/	0	
Clot Activator Tube	Red	Clot Activator	Serum Determinations in Clinical Chemistry	5~8	
Gel and Clot Activator Tube	Gold	Gel and Clot Activator	Biochemistry Test	5~8	
Heparin Tube	Green	Lithium Heparin Sodium Heparin	Plasma Determinations in Clinical Chemistry and Hemorheology	5~8	
Gel and Heparin Tube	Green	Gel and Lithium Heparin Gel and Sodium Heparin	Plasma Determinations in Clinical Chemistry	5~8	
Gel and EDTA.K2 Tube	Lavender	Gel and EDTA.K2	Plasma Preparation for Molecular Diagnostic and Virus Load Testing	5~8	
EDTA Tube	Lavender	EDTA.K2 EDTA.K3	Whole Blood Hematology Determinations	Spray: 3~5 Spray Dried: 5~8	
Glucose Tube	Grey	Sodium Fluoride/EDTA Sodium Fluoride/Oxalate	Glucose Determinations	5~8	

Immediately after drawing blood with Covetrus Blood Collection Tubes, it is recommended to mix thoroughly. Insufficient mixing might result in inaccurate test results and the need to re-draw.



#### **Removal of Safety Cap**

1. Grasp the Covetrus Blood Collection Tube with one hand. Twist the safety cap while pushing up with the other hand ONLY UNTIL THE TUBE STOPPER IS LOOSENED.

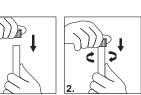
2. Move thumb away before lifting safety cap. **DO NOT** use thumb to push safety cap off tube.

3. Lift safety cap off tube. In the event of the plastic shield separating from the rubber stopper, carefully remove rubber stopper from tube.

#### **Reinsertion of Safety Cap**

1. Replace safety cap over tube.

2. Twist and push down until stopper is fully reseated. Complete reinsertion is necessary for the safety cap to remain securely on the tube during handling.



#### Symbol and Mark Key



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#### Storage

Store the tubes at 39-77°F (4-25°C) unless there is other notice on the package or label. EDTA or clot activator spray-coated additives may have a brownish appearance; this does not affect the performance of the EDTA additive or clot activator. Do not use tubes after the expiration date. Tubes expire on the last day of the month and year indicated.

#### **Barrier Information**

Please set refrigerated centrifuges at temperatures between  $59-77^{\circ}F$  ( $15-25^{\circ}C$ ), and the yield of serum or plasma is ideal.

#### **Clotting Instructions**

Minimum Clotting Time Recommendations (Room Temperature)				
Product	Time (min)			
No Additive Tubes (PET/Glass)	90/60			
Clot Activator Tubes	30			
Gel and Clot Activator Tubes	30			

#### **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 and Clot Activator Tubes	1800-2200	10		
Plasma Tubes	1300-1800	10		
Plasma Tubes with Gel	1500-1800	10		
Citrate Tubes (9NC)	1500-2000	10		

#### **Cautions and Warnings**

Always use appropriate centrifuge rotors or inserts, which should be of the size specific to the tubes used. Make sure the rotor is installed properly, and the rotor load is balanced. The above information about "Clotting Instructions" and "Centrifugation Reference" is for reference only. It is recommended to verify the condition before veterinary use.