

FARZANEH ARMAN CO.

Leading in research and manufacturing of laboratory products .

Innovative Technology
Superior Quality

Blood Collection Test Tube Catalogue



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FAR TEST
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Overview

FAR TEST

Farzaneh Arman Company, as one of the leading companies in the field of research and production of laboratory products, launched in 1999. The management policy has been based on self-sufficiency using the knowledge and capabilities of the human resources from the beginning of the establishment of the company. In this regard, **FAR TEST**, as the first manufacturer of disposable blood collection tubes in Iran, is assuming a crucial role in the diagnostic industry to ensure the highest level of excellence for its products and services.

One of the major goals of the company is to maintain customer satisfaction, in this regard, the company has established a quality management system for medical equipment based on the ISO 13485:2016. We believe that the maintaining quality and customer satisfaction are the keys to development.

Farzaneh Arman is a national medical technology company that is focused on developing disposable products, laboratory devices, laboratory reagents and kits including vacuum and non-vacuum blood collection tubes and laboratory centrifuges. The foundation of Farzaneh Arman Company is based on the principle of continuous improvement so we are always trying to be the best.

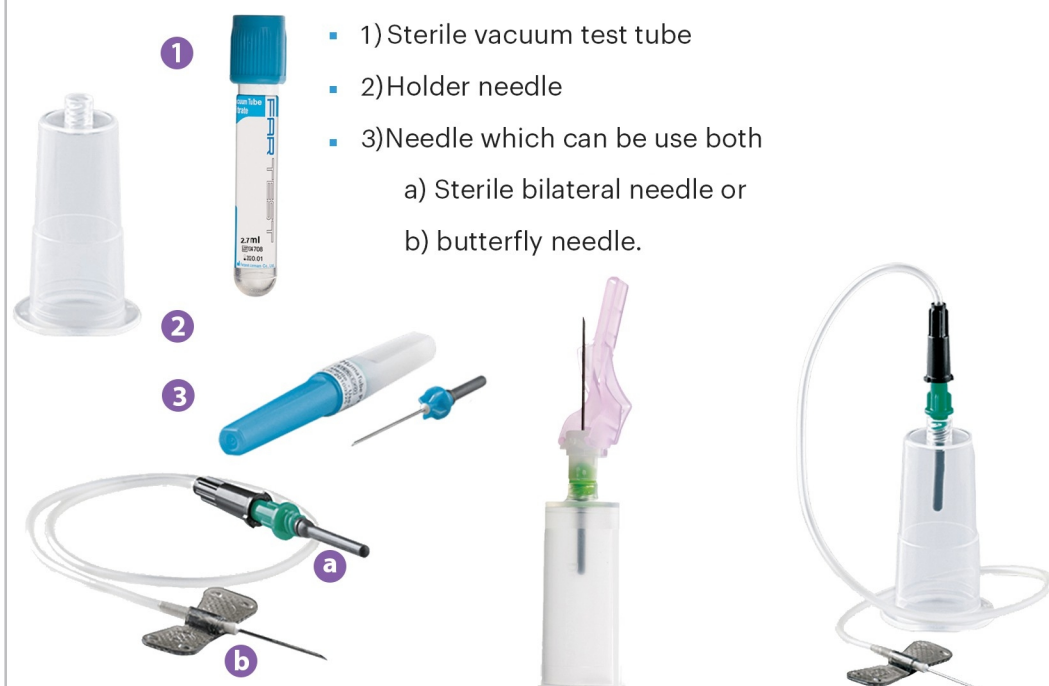
Farzaneh Arman Research and Production Center is one of the most advanced and equipped production centers in Iran according to GMP principles.

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Vacuum Blood Collection System

The evacuated blood collection system in use to collect blood specimens of humans and animals for various laboratory tests through creating a vacuum seal inside of the tube, facilitating the drawing of a predetermined volume of blood. Vacuum blood collection systems consist of three parts



Vacuum Blood Test Tubes



Rubber stopper

- Flexible and free of heavy ions of Zn & Mg
- Resistant to tearing due to needle entry
- Surface is specially treated, no influence in test results

Plastic cap

- Protect the user from contact with the patient's blood
- New design, perfect fitting with rubber stopper

Tube

- PET (Polyethylene Terephthalate) material without latex, transparent, unbreakable and without scratches
- Maintain vacuum for a long time with proper stability in variation temperature
- PET tubes sizes (diameter*length) 13mm*75mm, 13mm*100mm, 16mm*100mm

Label

- Have precise information of the tube type and additives

Additives

- No sediment of additive ions
- Raw materials supplied by reputable chemical manufacturers
- Contains precision concentrated additives according to CLSI international standards
- Use of uniform spraying technology to get accurate results

Separating gel

- Ease of separating the serum layer from the blood sample
- Stable viscosity in different temperature conditions



16mm × 100mm

6mL
8mL
8.5mL
9.5mL
10mL



13mm × 100mm

4mL
4.5mL
5mL
6mL
7mL



13mm × 75mm

1.8mL
2mL
2.5mL
2.7mL
3mL
3.5mL
4mL
4.5mL
5mL

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VACCUM TUBES

Plasma sample tube (PPT)

Contains: Buffer K2EDTA
with Separator polymer gel
Volume: 8ml, 5ml

Plain tube

Contains: No additives
Volume: 9ml, 6ml, 4ml, 3ml, 2ml

EDTA tube

Contains: K2EDTA, K3EDTA
Volume: 9ml, 6ml, 4ml, 3ml, 2ml, 1ml

Gel and Clot activator tube

Contains: Clot activator with Separator polymer gel
Volume: 8ml, 7ml, 5ml, 4ml, 3.5ml

Glucose tube

Contains: Potassium oxalate sodium fluoride buffer
or potassium fluoride, K2EDTA
Volume: 2ml, 4ml, 6ml

Sodium Citrate tube

Contains: Sodium Citrate 3.2% buffer (0.109 mol/L)
Volume: 1.8ml, 2.7 ml, 4.5ml

Heparin tube

Contains: Lithium Heparin and Sodium heparin
Volume: 9ml, 6ml, 4ml, 3ml, 2ml

Clot activator tube

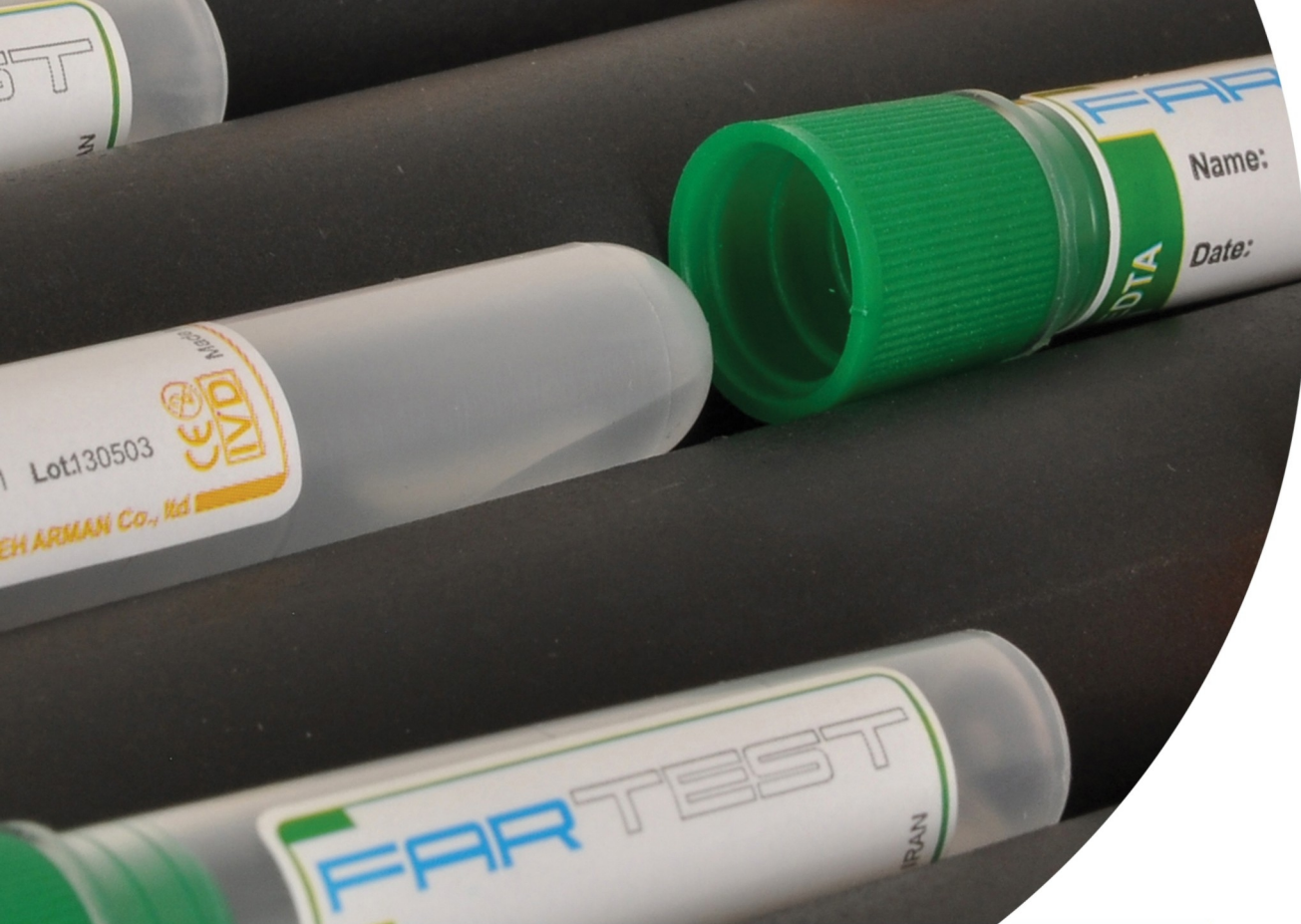
Contains: Clot activator
Volume: 9ml, 6ml, 4ml, 3ml, 2ml

ESR tube

Contains: Sodium citrate 3.2% buffer (0.109 mol/L)
Volume: 2.4ml, 1.6ml

Gel tube and Lithium Heparin (PST)

Contains: Lithium Heparin
with Separator polymer gel



Non-Vacuum Blood Collection Test Tubes



- Manufactured by using automatic production line
- No blood leakage, while easily closing the lid of the tubes
- Contains precision concentrated additives according to CLSI international standards and automatic injection system
- The tubes are made of PET & PEPE polymer with a special medical
- Grade to prevent any error in the test results
- Tube marking to increase the accuracy of the ratio of blood to additives
- Use of waterproof label, has accurate and complete information about the type of tube and its additive

NON-VACUUM BLOOD TEST TUBE

K2/K3 EDTA test tube

- CBC disposable blood collection tube
- Contains 50 microliters of K3 EDTA or K2 EDTA anticoagulant solution
- For 2ml Blood sample



Serum tube containing Gel & clot activator

- Disposable serum blood collection tube
- Contains clot activating substance and Gel separator
- For 5ml /10ml Blood sample



Plain tube without additives

- Clot disposable blood collection tube
- No anticoagulant solution
- For 5ml 10ml Blood sample



Non-instrumental ESR test tube containing sodium citrate

- Serum disposable blood collection tube
- Contains 400 microliters of sodium citrate anticoagulant solution
- For 1.6ml Blood sample



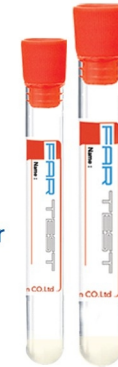
K2/K3 EDTA test tube

- CBC disposable blood collection tube
- Contains 25 microliters of K3 EDTA or K2 EDTA anticoagulant solution
- For 1ml Blood sample



Serum tube containing clot activator

- Disposable serum blood collection tube
- Contains clot activator additive
- For 5ml /10ml Blood sample



PT-PTT test tube containing sodium citrate

- PT-PTT disposable blood collection tube
- Contains 200 microliters of sodium citrate anticoagulant solution
- For 1.8ml Blood sample



Serum tube containing clot activator & separating Granular

- Disposable blood collection tube to separate serum
- Contains clot activating substance and serum separator Granular
- For 5ml 10m Blood sample



Test tube (ESR, PT-PTT) containing sodium citrate

- ESR, PT-PTT blood collection tube containing sodium citrate
- Contains 250 microliters of sodium citrate anticoagulant solution
- For 2.25ml Blood sample for PT-PTT test, and for 1ml Blood sample for ESR test





Vacuum Blood Collection Test Tubes Specification								
Application	Centrifuge conditions	Minimum centrifugal time	Number of stir times	Tube additives	Tube size(mm)	Tube cap	Tube type	Grouping
Serum chimistry, immunohematology and serology tests	≤1300 g (RCF) for 10 min. at 18-25°C		5-6	No Additive	13×75 13×100 16×100		Palin Tube EST	Serum Blood Collection Tube
	≤1300 g (RCF) for 10 min. at 18-25°C	5 min.	5-6	Clot Activator	13×75 13×100 16×100		Clot Activator Tube CAT	
	1300-2000 g (RCF) for 10 min. or 3000 g (RCF) for 5 min. at 18-25°C3	30 min.	6	Separator Gel Clot Activator	13×75 13×100 16×100		Separator Gel Colt Activator Tube SST	
Blood hematology and immunohematology tests	n/a	n/a	8-10	Buffered K2EDTA Buffered K3EDTA	13×75 13×100 16×100		K2EDTA, K3EDTA K2EDTA Tube K2E K3EDTA Tube K3E	Whole Blood Collection Tube
Erythrocyte Sedimentation Rate tests	n/a	n/a	8-10	4NC Sodium citrate 3.2%	13×75 9×120		ESR Tube	
Blood coagulation and routine hemostasis tests	2000-2500 g (RCF) for 10-15 min. at 18-25°C	n/a	3-4	9NC Sodium citrate 3.2%	13×75		Citrate Tube	Plasma Blood Collection Tube
Blood coagulation and routine hemostasis tests	1500 g (RCF) for 15 min. at 18-25°C	n/a	3-4	Sodium citrate, Theophylline Adenosine, Dipyridamole,	13×75		CTAD CTAD Tube	
Clinical chemistry and immunochemistry, Blood rheology test	≤1300 g (RCF) for 10 min. at 18-25°C	n/a	8-10	Sodium Heparin Lithium Heparin	13×75 13×100		Lithium Heparin Tube LH Sodium Heparin Tube NH	
Clinical chemistry and immunochemistry, Blood rheology test	1300-2000 g (RCF) for 10 min.	n/a	8-10	Separator Gel & Lithium Heparin	13×75 13×100		Separator Gel Lithium Heparin Tube PST	
Analyzing glucose and lactete of plasma	≤1300 g (RCF) for 10 min. at 18-25°C	n/a	8-10	Sodium Fluoride & Potassium Oxalate Sodium Fluoride & K2EDTA	13×75 13×100		Glucose Tube	
Molecular diognastic tests (Such as PCR)	1100 g (RCF) for 10 min. at 18-25°C	n/a	8-10	Separator Gel & K2EDTA Separator Gel & K3EDTA	13×75 13×100 16×100		Separator Gel K2EDTA Tube PPT	

* not applicable =n/a

* The duration of the centrifugal operation is regardless of the time of acceleration and braking of the device