

BOENMED®



Product Catalog **Vacuum Blood Collection Solutions**

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Boen Healthcare Co., Ltd

Blood Collection Tube

Vacuum Blood Collection Tube

A vacuum blood collection tube is a sterile glass or plastic tube used to collect and store blood samples for laboratory testing. It features a vacuum seal that creates negative pressure inside the tube, allowing for easier blood draw when a needle is inserted. These tubes often come with various additives or anticoagulants, depending on the type of tests to be performed, ensuring the blood sample remains stable for accurate analysis.

What is a vacuum blood collection tube?

A vacuum blood collection tube, commonly referred to as a Vacutainer, is a sterile, sealed container designed for collecting blood samples. It features a plastic or glass tube with a stopper at one end and a needle at the other. The stopper is equipped with a vacuum, which creates negative pressure to draw a precise volume of blood into the tube when the needle punctures the patient's vein.

Types and Variations in vacuum bloodcollection tube

Plain Tube

Product: Vacuum Blood Collection Tube, No Additive

Material: PET, Glass

Cap Color: Red

Additive: Plain

Suction Volume: 3ml -10ml

Tube Size: 13 x 75 mm, 13 x 100mm, 16 x 100mm

Laboratory use:

Plain vial for blood collection is with no additives and separators for biochemistry, immunology, and serology test.



Cat. No.	Specification	Material	Additive	Volume	Qty/case (Pcs)
630101	Plain Tube, 13×75mm	Glass	No additive	1ml	1800
630102	Plain Tube, 13×75mm	Glass	No additive	2ml	1800
630103	Plain Tube, 13×75mm	Glass	No additive	3ml	1800
630104	Plain Tube, 13×75mm	Glass	No additive	4ml	1800
630105	Plain Tube, 13×75mm	Glass	No additive	5ml	1800
630106	Plain Tube, 13×100mm	Glass	No additive	5ml	1800

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630107	Plain Tube, 13×100mm	Glass	No additive	6ml	1800
630108	Plain Tube, 13×100mm	Glass	No additive	7ml	1800
630109	Plain Tube, 13×75mm	PET	No additive	1ml	1800
630110	Plain Tube, 13×75mm	PET	No additive	2ml	1800
630111	Plain Tube, 13×75mm	PET	No additive	3ml	1800
630112	Plain Tube, 13×75mm	PET	No additive	4ml	1800
630113	Plain Tube, 13×75mm	PET	No additive	5ml	1800
630114	Plain Tube, 13×100mm	PET	No additive	5ml	1800
630115	Plain Tube, 13×100mm	PET	No additive	6ml	1800
630116	Plain Tube, 13×100mm	PET	No additive	7ml	1800
630117	Plain Tube, 16×100mm	PET	No additive	8ml	1200
630118	Plain Tube, 16×100mm	PET	No additive	9ml	1200
630119	Plain Tube, 16×100mm	PET	No additive	10ml	1200

Clot Activator Tube

Product: Vacuum Blood Collection Tube, Pro-coagulation Tube

Material: PET, Glass

Cap Color: Red

Additive: Clot Activator

Suction Volume: 3ml – 10ml

Tube Size: 13 x 75mm, 13 x 100mm, 16 x 100mm

Laboratory use: The Serum Clot Activator Tube is used to obtain serum specimen for serum determinations in chemistry, serology, and immunohematolog.



Cat. No.	Specification	Material	Additive	Volume	Qty/case (Pcs)
630301	Clot Activator Tube, 13×75mm	Glass	Clot Activator	1ml	1800
630302	Clot Activator Tube, 13×75mm	Glass	Clot Activator	2ml	1800
630303	Clot Activator Tube, 13×75mm	Glass	Clot Activator	3ml	1800
630304	Clot Activator Tube, 13×75mm	Glass	Clot Activator	4ml	1800
630305	Clot Activator Tube, 13×75mm	Glass	Clot Activator	5ml	1800
630306	Clot Activator Tube, 13×100mm	Glass	Clot Activator	5ml	1800
630307	Clot Activator Tube, 13×100mm	Glass	Clot Activator	6ml	1800
630308	Clot Activator Tube, 13×100mm	Glass	Clot Activator	7ml	1800
630309	Clot Activator Tube, 13×75mm	PET	Clot Activator	1ml	1800
630310	Clot Activator Tube, 13×75mm	PET	Clot Activator	2ml	1800
630311	Clot Activator Tube, 13×75mm	PET	Clot Activator	3ml	1800
630312	Clot Activator Tube, 13×75mm	PET	Clot Activator	4ml	1800
630313	Clot Activator Tube, 13×75mm	PET	Clot Activator	5ml	1800
630314	Clot Activator Tube, 13×100mm	PET	Clot Activator	5ml	1800
630315	Clot Activator Tube, 13×100mm	PET	Clot Activator	6ml	1800

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630316	Clot Activator Tube, 13×100mm	PET	Clot Activator	7ml	1800
630317	Clot Activator Tube, 16×100mm	PET	Clot Activator	8ml	1200
630318	Clot Activator Tube, 16×100mm	PET	Clot Activator	9ml	1200
630319	Clot Activator Tube, 16×100mm	PET	Clot Activator	10ml	1200

Heparin Tube

Product: Vacuum Blood Collection Tube, Heparin Tube

Material: PET, Glass

Cap Color: Green

Additive: heparin sodium, heparin lithium

Suction Volume: 3ml, 4ml, 5ml, 7ml, 10ml

Tube Size: 13 x 75 mm, 13 x 100mm, 16 x 100mm

Laboratory use: The Heparin tube is used for drawing heparinized plasma or whole blood for emergency biochemical and hemorheological tests.



Cat. No.	Specification	Material	Additive	Volume	Qty/case (Pcs)
630401	Heparin Tube, 13×75mm	Glass	Heparin Sodium	1ml	1800
630402	Heparin Tube, 13×75mm	Glass	Heparin Sodium	2ml	1800
630403	Heparin Tube, 13×75mm	Glass	Heparin Sodium	3ml	1800
630404	Heparin Tube, 13×75mm	Glass	Heparin Sodium	4ml	1800
630405	Heparin Tube, 13×75mm	Glass	Heparin Sodium	5ml	1800
630406	Heparin Tube, 13×100mm	Glass	Heparin Sodium	5ml	1800
630407	Heparin Tube, 13×100mm	Glass	Heparin Sodium	6ml	1800
630408	Heparin Tube, 13×100mm	Glass	Heparin Sodium	7ml	1800
630409	Heparin Tube, 13×75mm	PET	Heparin Sodium	1ml	1800
630410	Heparin Tube, 13×75mm	PET	Heparin Sodium	2ml	1800
630411	Heparin Tube, 13×75mm	PET	Heparin Sodium	3ml	1800
630412	Heparin Tube, 13×75mm	PET	Heparin Sodium	4ml	1800
630413	Heparin Tube, 13×75mm	PET	Heparin Sodium	5ml	1800
630414	Heparin Tube, 13×100mm	PET	Heparin Sodium	5ml	1800
630415	Heparin Tube, 13×100mm	PET	Heparin Sodium	6ml	1800
630416	Heparin Tube, 13×100mm	PET	Heparin Sodium	7ml	1800
630417	Heparin Tube, 16×100mm	PET	Heparin Sodium	8ml	1200
630418	Heparin Tube, 16×100mm	PET	Heparin Sodium	9ml	1200
630419	Heparin Tube, 16×100mm	PET	Heparin Sodium	10ml	1200
630420	Heparin Tube, 13×75mm	Glass	Heparin Lithium	1ml	1800
630421	Heparin Tube, 13×75mm	Glass	Heparin Lithium	2ml	1800
630422	Heparin Tube, 13×75mm	Glass	Heparin Lithium	3ml	1800
630423	Heparin Tube, 13×75mm	Glass	Heparin Lithium	4ml	1800
630424	Heparin Tube, 13×75mm	Glass	Heparin Lithium	5ml	1800
630425	Heparin Tube, 13×100mm	Glass	Heparin Lithium	5ml	1800

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630426	Heparin Tube, 13×100mm	Glass	Heparin Lithium	6ml	1800
630427	Heparin Tube, 13×100mm	Glass	Heparin Lithium	7ml	1800
630428	Heparin Tube, 13×75mm	PET	Heparin Lithium	1ml	1800
630429	Heparin Tube, 13×75mm	PET	Heparin Lithium	2ml	1800
630430	Heparin Tube, 13×75mm	PET	Heparin Lithium	3ml	1800
630431	Heparin Tube, 13×75mm	PET	Heparin Lithium	4ml	1800
630432	Heparin Tube, 13×75mm	PET	Heparin Lithium	5ml	1800
630433	Heparin Tube, 13×100mm	PET	Heparin Lithium	5ml	1800
630434	Heparin Tube, 13×100mm	PET	Heparin Lithium	6ml	1800
630435	Heparin Tube, 13×100mm	PET	Heparin Lithium	7ml	1800
630436	Heparin Tube, 16×100mm	PET	Heparin Lithium	8ml	1200
630437	Heparin Tube, 16×100mm	PET	Heparin Lithium	9ml	1200
630438	Heparin Tube, 16×100mm	PET	Heparin Lithium	10ml	1200

EDTA Tube

Product: EDTA Tube, Purple Top Tube

Material: PET, Glass

Cap Color: Lavender or Purple

Additive: EDTA K2/ EDTA K3/EDTA NA2

Suction Volume: 1ml -10ml

Tube Size: 13 x 75 mm; 13 x 100mm; 16 x 100mm

Laboratory use: The vacuum EDTA tube contains EDTA as an anticoagulant and are widely used for determinations in EDTA whole blood clinical hematology tests, especially for a routine blood examination.



Cat. No.	Specification	Material	Additive	Volume	Qty/case (Pcs)
630801	EDTA Tube, 13×75mm	PET	EDTA K2	1ml	1800
630802	EDTA Tube, 13×75mm	PET	EDTA K2	2ml	1800
630803	EDTA Tube, 13×75mm	PET	EDTA K2	3ml	1800
630804	EDTA Tube, 13×75mm	PET	EDTA K2	4ml	1800
630805	EDTA Tube, 13×75mm	PET	EDTA K2	5ml	1800
630806	EDTA Tube, 13×100mm	PET	EDTA K2	5ml	1800
630807	EDTA Tube, 13×100mm	PET	EDTA K2	6ml	1800
630808	EDTA Tube, 13×100mm	PET	EDTA K2	7ml	1800
630809	EDTA Tube, 16×100mm	PET	EDTA K2	8ml	1200
630810	EDTA Tube, 16×100mm	PET	EDTA K2	9ml	1200
630811	EDTA Tube, 16×100mm	PET	EDTA K2	10ml	1200
630812	EDTA Tube, 13×75mm	Glass	EDTA K2	1ml	1800
630813	EDTA Tube, 13×75mm	Glass	EDTA K2	2ml	1800
630814	EDTA Tube, 13×75mm	Glass	EDTA K2	3ml	1800
630815	EDTA Tube, 13×75mm	Glass	EDTA K2	4ml	1800
630816	EDTA Tube, 13×75mm	Glass	EDTA K2	5ml	1800
630817	EDTA Tube, 13×100mm	Glass	EDTA K2	5ml	1800
630818	EDTA Tube, 13×100mm	Glass	EDTA K2	6ml	1800

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630819	EDTA Tube, 13×100mm	Glass	EDTA K2	7ml	1800
630901	EDTA Tube, 13×75mm	PET	EDTA K3	1ml	1800
630902	EDTA Tube, 13×75mm	PET	EDTA K3	2ml	1800
630903	EDTA Tube, 13×75mm	PET	EDTA K3	3ml	1800
630904	EDTA Tube, 13×75mm	PET	EDTA K3	4ml	1800
630905	EDTA Tube, 13×75mm	PET	EDTA K3	5ml	1800
630906	EDTA Tube, 13×100mm	PET	EDTA K3	5ml	1800
630907	EDTA Tube, 13×100mm	PET	EDTA K3	6ml	1800
630908	EDTA Tube, 13×100mm	PET	EDTA K3	7ml	1800
630909	EDTA Tube, 16×100mm	PET	EDTA K3	8ml	1200
630910	EDTA Tube, 16×100mm	PET	EDTA K3	9ml	1200
630911	EDTA Tube, 16×100mm	PET	EDTA K3	10ml	1200
630912	EDTA Tube, 13×75mm	Glass	EDTA K3	1ml	1800
630913	EDTA Tube, 13×75mm	Glass	EDTA K3	2ml	1800
630914	EDTA Tube, 13×75mm	Glass	EDTA K3	3ml	1800
630915	EDTA Tube, 13×75mm	Glass	EDTA K3	4ml	1800
630916	EDTA Tube, 13×75mm	Glass	EDTA K3	5ml	1800
630917	EDTA Tube, 13×100mm	Glass	EDTA K3	5ml	1800
630918	EDTA Tube, 13×100mm	Glass	EDTA K3	6ml	1800
630919	EDTA Tube, 13×100mm	Glass	EDTA K3	7ml	1800
631001	EDTA Tube, 13×75mm	Glass	EDTA NA2	2ml	1800
631002	EDTA Tube, 13×75mm	PET	EDTA NA2	2ml	1800
631003	EDTA Tube, 13×100mm	PET	EDTA NA2	10ml	1200

Serum Separation Tubes

Product: Vacuum blood collection tube, Gel & Clot Activator Tube

Material : PET/Glass

Color: Yellow Top

Volume: 3ml, 3.5ml, 4ml, 5ml, 6ml, 7ml, 8ml, 9ml, 10ml

Tube Size: 13 x 75 mm, 13 x 100mm, 16 x 100mm

Laboratory use: These tubes contain an inert gel barrier that separates the serum from the blood clot during centrifugation, preventing contamination of the serum.



Cat. No.	Specification	Material	Additive	Volume	Qty/case (Pcs)
630201	Serum Separation Tubes, 13×75mm	Glass	Gel & Clot Activator	1ml	1800
630202	Serum Separation Tubes, 13×75mm	Glass	Gel & Clot Activator	2ml	1800
630203	Serum Separation Tubes, 13×75mm	Glass	Gel & Clot	3ml	1800

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	13×75mm		Activator		
630204	Serum Separation Tubes, 13×75mm	Glass	Gel & Clot Activator	3.5ml	1800
630205	Serum Separation Tubes, 13×75mm	Glass	Gel & Clot Activator	4ml	1800
630206	Serum Separation Tubes, 13×75mm	Glass	Gel & Clot Activator	5ml	1800
630207	Serum Separation Tubes, 13×100mm	Glass	Gel & Clot Activator	5ml	1800
630208	Serum Separation Tubes, 13×100mm	Glass	Gel & Clot Activator	6ml	1800
630209	Serum Separation Tubes, 13×100mm	Glass	Gel & Clot Activator	7ml	1800
630210	Serum Separation Tubes, 13×75mm	PET	Gel & Clot Activator	1ml	1800
630211	Serum Separation Tubes, 13×75mm	PET	Gel & Clot Activator	2ml	1800
630212	Serum Separation Tubes, 13×75mm	PET	Gel & Clot Activator	3ml	1800
630213	Serum Separation Tubes, 13×75mm	PET	Gel & Clot Activator	3.5ml	1800
630214	Serum Separation Tubes, 13×75mm	PET	Gel & Clot Activator	4ml	1800
630215	Serum Separation Tubes, 13×75mm	PET	Gel & Clot Activator	5ml	1800
630216	Serum Separation Tubes, 13×100mm	PET	Gel & Clot Activator	5ml	1800
630217	Serum Separation Tubes, 13×100mm	PET	Gel & Clot Activator	6ml	1800
630218	Serum Separation Tubes, 13×100mm	PET	Gel & Clot Activator	7ml	1800
630219	Serum Separation Tubes, 16×100mm	PET	Gel & Clot Activator	8ml	1200
630220	Serum Separation Tubes, 16×100mm	PET	Gel & Clot Activator	9ml	1200
630221	Serum Separation Tubes, 16×100mm	PET	Gel & Clot Activator	10ml	1200

Blood Collection Tube

Sodium Citrate Tube

Product: Vacuum Blood Collection Tube, PT Tube

Tube Material: PET or Glass

Cap Color: Blue Top

Additive: 3.2% Sodium Citrate

Mixing Ratio: 1:9

Suction Volume: 1.8ml, 2.7ml, 3.6ml, 3.8ml, 4.5ml, 5ml

Tube size: 13x75mm, 13x100mm

Laboratory use:

Sodium Citrate PET Tube is a highly efficient tube provide a reliable and standardized method for collecting blood samples, preventing clotting, and facilitating accurate coagulation.



Cat. No.	Specification	Material	Additive	Volume	Qty/case (Pcs)
630601	Sodium Citrate Tube, 13x75mm	Glass	3.2% Sodium Citrate	1.8ml	1800
630602	Sodium Citrate Tube, 13x75mm	Glass	3.2% Sodium Citrate	2.7ml	1800
630603	Sodium Citrate Tube, 13x75mm	Glass	3.2% Sodium Citrate	3.6ml	1800
630604	Sodium Citrate Tube, 13x75mm	Glass	3.2% Sodium Citrate	3.8ml	1800
630605	Sodium Citrate Tube, 13x75mm	Glass	3.2% Sodium Citrate	4.5ml	1800
630606	Sodium Citrate Tube, 13x100mm	Glass	3.2% Sodium Citrate	5ml	1800
630607	Sodium Citrate Tube, 13x75mm	PET	3.2% Sodium Citrate	1.8ml	1800
630608	Sodium Citrate Tube, 13x75mm	PET	3.2% Sodium Citrate	2.7ml	1800
630609	Sodium Citrate Tube, 13x75mm	PET	3.2% Sodium Citrate	3.6ml	1800
630610	Sodium Citrate Tube, 13x75mm	PET	3.2% Sodium Citrate	3.8ml	1800
630611	Sodium Citrate Tube, 13x75mm	PET	3.2% Sodium Citrate	4.5ml	1800
630612	Sodium Citrate Tube, 13x100mm	PET	3.2% Sodium Citrate	5ml	1800

Blood Collection Tube

Glucose Tube

Product: Vacuum Blood Collection Tube, Glucose Tube

Material: PET, Glass

Cap Color: Gray

Additive: Sodium Fluoride/Potassium Oxalate

Suction Volume: 2ml, 3ml, 4ml, 5ml, 6ml

Tube Size: 13 x 75 mm, 13 x 100mm

Laboratory use: The Glucose tube is used for blood glucose, glucose tolerance, red blood cell electrophoresis, sugar hemoglobin, etc.



Cat. No.	Specification	Material	Additive	Volume	Qty/case (Pcs)
630701	Glucose Tube, 13×75mm	Glass	Sodium Fluoride/Potassium Oxalate	1ml	1800
630702	Glucose Tube, 13×75mm	Glass	Sodium Fluoride/Potassium Oxalate	2ml	1800
630703	Glucose Tube, 13×75mm	Glass	Sodium Fluoride/Potassium Oxalate	3ml	1800
630704	Glucose Tube, 13×75mm	Glass	Sodium Fluoride/Potassium Oxalate	4ml	1800
630705	Glucose Tube, 13×75mm	Glass	Sodium Fluoride/Potassium Oxalate	5ml	1800
630706	Glucose Tube, 13×100mm	Glass	Sodium Fluoride/Potassium Oxalate	6ml	1800
630707	Glucose Tube, 13×100mm	Glass	Sodium Fluoride/Potassium Oxalate	7ml	1800
630708	Glucose Tube, 13×75mm	PET	Sodium Fluoride/Potassium Oxalate	1ml	1800
630709	Glucose Tube, 13×75mm	PET	Sodium Fluoride/Potassium Oxalate	2ml	1800
630710	Glucose Tube, 13×75mm	PET	Sodium Fluoride/Potassium Oxalate	3ml	1800
630711	Glucose Tube, 13×75mm	PET	Sodium Fluoride/Potassium Oxalate	4ml	1800
630712	Glucose Tube, 13×75mm	PET	Sodium Fluoride/Potassium Oxalate	5ml	1800
630713	Glucose Tube, 13×100mm	PET	Sodium Fluoride/Potassium Oxalate	6ml	1800
630714	Glucose Tube, 13×100mm	PET	Sodium Fluoride/Potassium Oxalate	7ml	1800
630715	Glucose Tube, 16×100mm	PET	Sodium Fluoride/Potassium Oxalate	8ml	1200
630716	Glucose Tube, 16×100mm	PET	Sodium Fluoride/Potassium Oxalate	9ml	1200
630717	Glucose Tube, 16×100mm	PET	Sodium Fluoride/Potassium Oxalate	10ml	1200

Blood Collection Tube

ESR Tube

Product: Vacuum Blood Collection Tube, ESR Tube

Material: PET, Glass

Cap Color: Black

Additive: 3.8% Sodium Citrate

Suction Volume: 1.6ml, 2ml, 3ml

Tube Size: 13*75mm, 9*120mm

Laboratory use: The ESR tube is specially used in blood collection and anticoagulation for Automated Erythrocyte Sedimentation

Rate Analyzers sedimentation rate test.



Cat. No.	Specification	Material	Volume	Additive	Qty/case (Pcs)
631101	ESR Tube, 13×75mm	PET	1.6ml	Sodium Citrate	1800
631102	ESR Tube, 13×75mm	PET	2.4ml	Sodium Citrate	1800
631103	ESR Tube, 13×75mm	Glass	1.6ml	Sodium Citrate	1800
631104	ESR Tube, 13×75mm	Glass	2.4ml	Sodium Citrate	1800
631105	ESR Tube, 8×120mm	Glass	1.28ml	Sodium Citrate	1800

Benefits of Using vacuum blood collection tube

- Disposable vacuum tubes minimize direct contact with blood, protecting healthcare staff from contagious diseases.
- The vacuum seal prevents exposure to the external environment, maintaining sample integrity and enhancing test accuracy.
- Equipped with precise scales, these tubes ensure accurate results when adding reagents or medications to the samples.
- Designed to meet international standards, vacuum tubes are suitable for various laboratory analyzers, reducing patient discomfort from repeated injections.
- Usable for up to 24 months, these tubes are easy to dispose of without harming the environment, producing no toxic gases when incinerated.

Blood Collection Tube

Uses and Applications of vacuum blood collection tube

- **Blood Sample Collection:** Primarily used to collect blood samples from patients for laboratory analysis, ensuring safe and sterile handling.
- **Clinical Diagnostics:** Essential for various diagnostic tests, including serology, hematology, and biochemical analyses, helping in disease diagnosis and monitoring.
- **Blood Type Testing:** Used in blood banks for cross-matching and type determination, crucial for safe blood transfusions.
- **Drug Monitoring:** Collect samples for therapeutic drug monitoring, assessing medication levels in patients for optimal dosing.
- **Glucose Testing:** Specific tubes, like sodium fluoride, are utilized for accurate glucose level testing in diabetes management.
- **Coagulation Studies:** Sodium citrate tubes are employed for coagulation factor analysis, aiding in the diagnosis of bleeding disorders.
- **Microbiology Cultures:** Used to collect blood for cultures, allowing the detection of infections and pathogens in the bloodstream.
- **Plasma and Serum Separation:** Designed for the efficient separation of plasma or serum from blood cells, facilitating various laboratory tests.
- **Research Applications:** Widely used in clinical and laboratory research for sample collection in studies related to hematology, biochemistry, and molecular biology.
- **Routine Health Screenings:** Commonly used in routine check-ups for various health parameters, contributing to preventive healthcare measures.

Choosing the Right Blood Collection Tubes

- **Check Protocols:** Always verify collection protocols for specific tube requirements.
- **Serum Tubes:** Ideal for serum collection; contains silica for clot activation.
- **Anticoagulant Tubes:** Best for preserving cells or plasma without altering their natural state.
- **EDTA Tubes:** Prevent clotting by chelating calcium, commonly used for hematology tests.
- **Sodium Citrate Tubes:** Allow coagulation by adding calcium; useful for coagulant studies.
- **CTAD Tubes:** Prevent platelet activation; sensitive to light and should be stored in the dark.
- **Sodium/Lithium Heparin Tubes:** Used for plasma testing; may include gel for separation.
- **Sodium Fluoride Tubes:** Ideal for glucose and lactate testing due to antiglycolytic properties.
- **Sodium Polyanethol Sulfonate Tubes:** Used in microbiology to stabilize bacterial growth.