

Your **Power** for Health


greiner bio-one



Preamalytics Catalogue

www.gbo.com/preamalytics

Table of Contents



Welcome to Greiner Bio-One Preanalytics	4
VACUETTE® - one step ahead	6
The VACUETTE® System	8
The VACUETTE® Product Range	10
VACUETTE® Blood Collection Tubes	12
Coagulation Sodium Citrate / CTAD	14
Serum	15
Heparin	16
K2EDTA Sep	17
EDTA	18
No Additive	19
Discard Tubes	19
Glucose	20
Blood Grouping	21
Trace Elements	22
ESR	22
Homocysteine	23
Crossmatch	21
Paediatric Tubes	24
Paediatric Accessories	25
VACUETTE® Safety Products	26
Safety Tube Holders	28
Safety Blood Collection Sets	29
VACUETTE® Blood Collection Accessories / Medical Devices	30
Tube Holders	32
Blood Collection Sets	33
Blood Collection Needles	34
VISIO PLUS Needles	35
Sharps Disposal Containers	35
Snap Caps	36
Additional Accessories	36
Decappers	37
Transport Line	38
Accessories Transport Line	39
MiniCollect® Capillary Blood Collection System	40
Capillary Blood Collection System (Tubes)	42
Capillary Blood Collection System (Accessories)	43
VACUETTE® Automatic & Manual ESR Systems and Accessories	44
Automatic ESR Systems	46
Manual ESR System and Accessories	47
ESR Tubes	47
VACUETTE® Urine Collection System	48
Urine Tubes	50
Urine Accessories	51
GBO Saliva Collection and Quantification System	52
GBO Saliva Collection System - Self-testing	54
GBO Saliva Collection System - Professionals	54
GBO Saliva Quantification Kit	55
Labelling of VACUETTE® Products	56
Products with Highest Demands in Quality	58
Education and Training Material	60
Production Locations	62
Greiner Bio-One Online	64
Disposal	65
Index	66



Welcome to Greiner Bio-One Preanalytics

Your partner for innovative preanalytical
specimen collection systems and safety solutions

There are more than six billion people on the earth today. As different as they all may be, they share one desire; the desire for a long, healthy and safe life.

We know that we can make a significant contribution towards safety and health in the area of medicine. We use our ideas and our competence for new product solutions. This is our contribution to increased efficiency and safety in preanalytics, which in turn has a positive effect on the reliability of analysis results.

As technological leader in the field of sample collection using products made out of plastic, Greiner Bio-One provides custom-made solutions conforming to the highest of quality standards.

The **VACUETTE®** product line, manufactured by Greiner Bio-One and sold in more than 100 countries throughout the world, is used in hospitals, laboratories, doctors' offices and blood donor centres. We are a global player because medicine knows no bounds.



When dangerous infectious diseases occur due to changing living conditions, they make the headlines and the importance of our work is highlighted; since one of the most fundamental human needs has always been to maintain vitality and joy for life, it has always been our high priority.

Greiner Bio-One
Your Power for Health

VACUETTE® one step ahead

Reasons why you should not be satisfied with other solutions, when you can have the ORIGINAL:



Why is it important to use the best products at the best possible price performance ratio?

- Because your work is an important service to people entrusted to your care.
- Because correct analyses results are the basis for far-reaching decisions.
- Because only fully perfected products can guarantee safety and continuous high quality.
- Because more efficiency lessens your burden with routine procedures.



Provide safety

Due to technical advances in the mid-eighties, Greiner was able to be the first company in the world to successfully launch a blood collection system made out of virtually unbreakable PET plastic including a safety cap. Against the background of the worldwide increase in infectious diseases such as HIV and hepatitis, health protection of medical staff has become a theme rapidly increasing in importance. The **VACUETTE®** Blood Collection System is a trend-setter. Many components of the **VACUETTE®** system have often been copied unsuccessfully, never reaching our high standards of quality.



Providing support

VACUETTE® products are the result of planned research and development in close co-operation with our partners and customers. Greiner Bio-One offers comprehensive additional services all around the product by providing expert support and technical support and training when a hospital or laboratory converts to the **VACUETTE®** Blood Collection System. A further specific focus of the company is the continuity of customer care, achieved by employing well-trained experienced sales representatives. Well-prepared support and education materials make the daily work with **VACUETTE®** products simple and safe.



Increase efficiency

Streamlining of procedures on the ward and in the laboratory is a theme that continues to increase in importance. **VACUETTE®** products can help save time for routine activities. Whether with the aid of high capacity instruments for de-capping blood collection tubes or pre-barcoded blood collection tubes, Greiner Bio-One is investing in new product solutions that can significantly increase efficiency.



Superior competence

Innovation is the basis of all progress. The company history of Greiner Bio-One Preanalytics began with a ground-breaking innovation and this is still the central element of all company activities. In order to guarantee that the level of quality remains constantly high, products must be technically perfect and subject to continual improvements. Expertise in production technology makes it possible to manufacture special thick-walled evacuated tubes, distinguished by increased shelf life.



Save costs

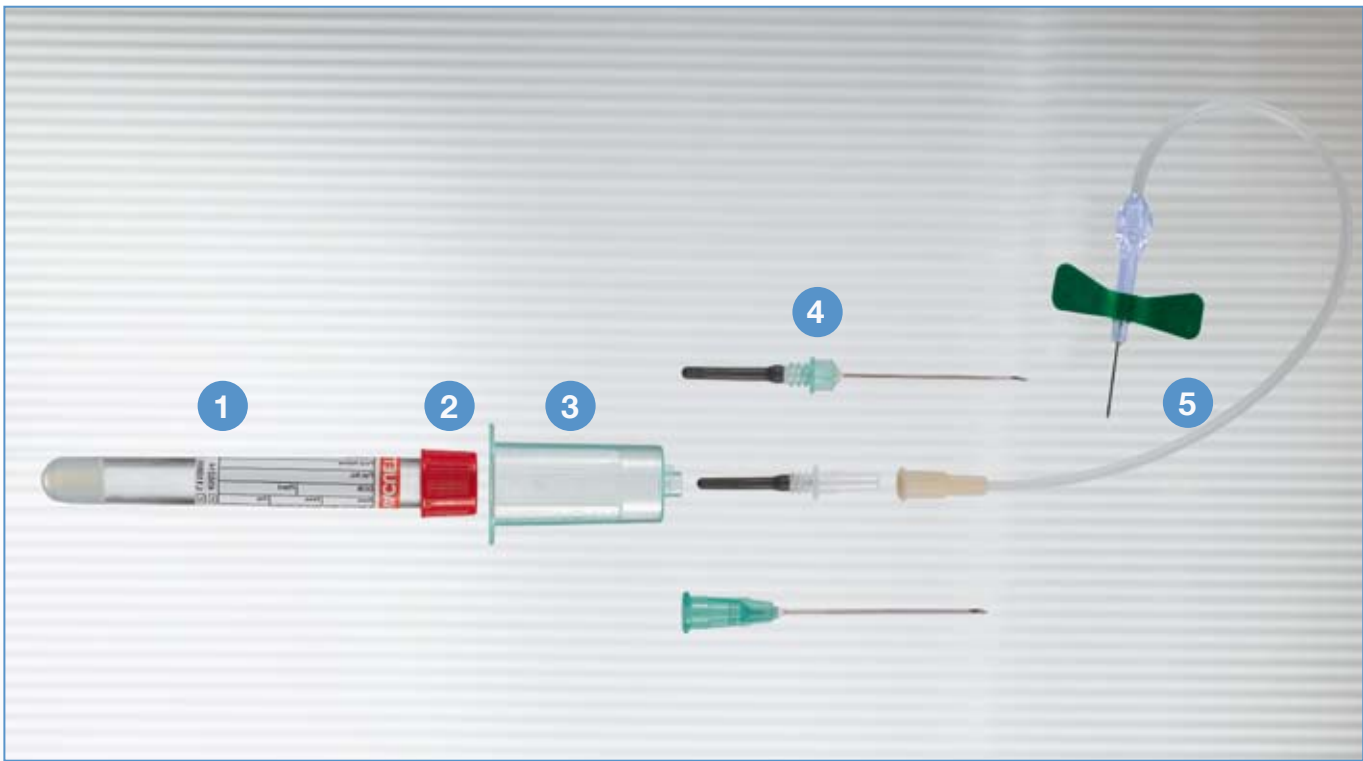
Greiner Bio-One is the specialist when it comes to realising customers' individual requirements. There are no long lead times, decisions are made quickly, and delays avoided when it comes to handling the orders. Greiner Bio-One Preanalytics is specialised in the manufacture of user-friendly, safe specimen collection systems. This focus means that the customer can be sure of getting products to the best possible cost-performance ratio.

The VACUETTE® System

Functionality for simple handling

The main advantage of a user-friendly evacuated specimen collection system with pre-measured vacuum is that a clearly defined quantity of blood or urine can be collected without further handling requirements.

VACUETTE® tubes can be changed quickly and hygienically, without any risk of coming into contact with specimen material. By using **VACUETTE®** Safety Products, a needlestick injury can be effectively prevented. All system components are ideally suited to one another.



Selected components of the VACUETTE® system:

- 1 Sterile PREMIUM Tube made from PET
- 2 Safety Twist Cap
- 3 Tube Holder (various versions available)

To choose between:

- 4 **VACUETTE®** Multiple Use Drawing Needle or VISIO PLUS Needle with view window or Luer Adapter with Hypodermic Needle
- 5 Luer Adapter with Safety Blood Collection Set

Additionally:

- 6 Disposable Tourniquet
- 7 Sharps disposal container







The VACUETTE® Product Range



The comprehensive product range consists of evacuated blood collection tubes for blood, saliva and urine collection, accessories, safety products for prevention of needlestick injuries, both manual and automated ESR systems (erythrocyte sedimentation rate), sharps disposal containers, transport containers and automatic instruments for decapping tubes.

The individual tubes contain additives for the stabilisation of samples. The caps of the tubes are coloured in accordance with the international recommended colour code, so that different tube types can be recognised at first glance. The different coloured rings on the top of the cap provide additional optical recognition.

Colour and meaning of the stabilisation ring

	Standard tube	Black Ring
	Tube with separation gel	Yellow Ring
	Tube with beads	Red Ring
	Paediatric tube	White Ring

More safety and efficiency with VACUETTE® closure systems

All tubes with 13mm diameter are available in two versions: with the PREMIUM Safety Twist Caps or with Non-Ridged pull-caps. The **VACUETTE®** PREMIUM Tube with Safety Twist Cap is especially suited for manual opening, whilst the **VACUETTE®** Non-Ridged tubes with pull-cap have been especially developed for use on automatic decapping instruments.

All tubes with 16mm diameter are only available with pull-caps.



PREMIUM Tubes with Safety Twist Cap

Due to the optimal coordination between Safety Twist Cap and thread, the **VACUETTE®** PREMIUM tube can be opened with a simple twist movement, requiring minimal effort. The secure grip on the tube prevents the cap from becoming unfastened by itself. This is a particular advantage during transport.



Non-Ridged Tubes with Pull Cap

Without threads, the tubes are especially suitable for automatic decapping by a quick pull movement.

VACUETTE® Blood Collection Tubes



VACUETTE® Blood Collection Tubes

The innovative **VACUETTE®** Blood Collection Tubes made out of virtually unbreakable PET plastic have set the standard on today's market. They provide improved safety and hygiene during specimen collection procedures with the advantage of being clear as glass.

Most **VACUETTE®** Blood Collection Tubes contain chemical additives, which in combination with the pre-determined vacuum guarantee the correct mixing ratio for the blood sample. Reliable results and simple application make **VACUETTE®** the primary vessel for all current analysers. All the tubes have the CE-mark and most are US FDA cleared.

➤ Coagulation Sodium Citrate / CTAD	14
9NC Coagulation Sodium Citrate 3.2%	14
9NC Coagulation Sodium Citrate 3.8%	14
CTAD	14
➤ Serum	15
Z Serum Clot Activator	15
Z Serum Beads Clot Activator	15
Z Serum Sep Clot Activator	16
➤ Heparin	16
LH Lithium Heparin	16
LH Lithium Heparin Sep	17
NH Sodium Heparin	17
AH Ammonium Heparin	17
➤ EDTA	17
K2E K2EDTA Sep	17
K2E K2EDTA	18
K3E K3EDTA	18
➤ No Additive	19
Z No Additive	19
➤ Discard Tubes	19
➤ Glucose	20
FX Sodium Fluoride / Potassium Oxalate	20
FE Sodium Fluoride / K3EDTA	20
FH Sodium Fluoride / Sodium Heparin	20
➤ Blood Grouping	21
ACD-A	21
ACD-B	21
CPDA	21
➤ Trace Elements	22
NH Trace Elements Sodium Heparin	22
Z Trace Elements Serum Clot Activator	22
➤ ESR	22
4NC ESR sodium citrate 3.2%, PET	22
4NC ESR sodium citrate 3.2%, PP	22
➤ Homocysteine	23
➤ Crossmatch	23
Z Crossmatch Serum Clot Activator	23
K3E Crossmatch K3EDTA	23
➤ Paediatric Tubes	24
➤ Paediatric Accessories	25



Coagulation sodium citrate / CTAD

Coagulation and CTAD tubes are used for examination of coagulation parameters. Coagulation tubes contain a buffered sodium citrate solution. It is available with a citrate concentration of 0.109 mol/l (3.2%) or 0.129 mol/l (3.8%). The mixing ratio is: 1 part citrate solution to 9 parts blood. In addition to buffered sodium citrate, CTAD tubes contain theophylline, adenosine and dipyridamol. Tubes are packed 50 pcs per rack and 1200 pcs per carton

Item No.	Nom. Vol.	Cap Colour	Ring Colour	Tube Size	Description
9NC Coagulation sodium citrate 3.2% - PREMIUM (Safety Twist Cap)					
454320	1ml	light blue	white	13 x 75	Sodium citrate 3.2%, sandwich tube, paediatric draw
454321	2ml	light blue	white	13 x 75	Sodium citrate 3.2%, sandwich tube, paediatric draw
474321	2ml	light blue	white	13 x 75	Sodium citrate 3.2%, sandwich tube, paediatric draw, transparent label
454325	3ml	light blue	black	13 x 75	Sodium citrate 3.2%, sandwich tube
454327	3.5ml	light blue	black	13 x 75	Sodium citrate 3.2%, sandwich tube
474327	3.5ml	light blue	black	13 x 75	Sodium citrate 3.2%, sandwich tube, transparent label
9NC Coagulation sodium citrate 3.2% - Non-ridged (pull cap)					
454322	2ml	light blue	white	13 x 75	Sodium citrate 3.2%, sandwich tube, paediatric draw
454360	2ml	light blue	white	13 x 75	Sodium citrate 3.2%, sandwich tube, paediatric draw, transparent label
454334	3ml	light blue	black	13 x 75	Sodium citrate 3.2%, sandwich tube
454332	3.5ml	light blue	black	13 x 75	Sodium citrate 3.2%, sandwich tube
9NC Coagulation sodium citrate 3.8% - PREMIUM (Safety Twist Cap)					
454381	2ml	light blue	white	13 x 75	Sodium citrate 3.8%, sandwich tube, paediatric draw
454385	3ml	light blue	black	13 x 75	Sodium citrate 3.8%, sandwich tube
454387	3.5ml	light blue	black	13 x 75	Sodium citrate 3.8%, sandwich tube
9NC Coagulation sodium citrate 3.8% - Non-ridged (pull cap)					
454382	2ml	light blue	white	13 x 75	Sodium citrate 3.8%, sandwich tube, paediatric draw
454393	3ml	light blue	black	13 x 75	Sodium citrate 3.8%, sandwich tube
454392	3.5ml	light blue	black	13 x 75	Sodium citrate 3.8%, sandwich tube
CTAD - PREMIUM (Safety Twist Cap)					
474065	2ml	light blue	yellow	13 x 75	CTAD, 0.11 M sodium citrate with theophylline, adenosine and dipyridamole, sandwich tube, transparent label
474304	3ml	light blue	yellow	13 x 75	CTAD, 0.11 M sodium citrate with theophylline, adenosine and dipyridamole, sandwich tube, transparent label
454064	3.5ml	light blue	yellow	13 x 75	CTAD, 0.11 M sodium citrate with theophylline, adenosine and dipyridamole, sandwich tube
474064	3.5ml	light blue	yellow	13 x 75	CTAD, 0.11 M sodium citrate with theophylline, adenosine and dipyridamole, sandwich tube, transparent label
CTAD - Non-ridged (pull cap)					
454472	2ml	light blue	yellow	13 x 75	CTAD, 0.11 M sodium citrate with theophylline, adenosine and dipyridamole, sandwich tube, transparent label
454441	3ml	light blue	yellow	13 x 75	CTAD, 0.11 M sodium citrate with theophylline, adenosine and dipyridamole, sandwich tube, transparent label
454462	3.5ml	light blue	yellow	13 x 75	CTAD, 0.11 M sodium citrate with theophylline, adenosine and dipyridamole, sandwich tube, transparent label



Serum

The inner wall of the serum tube is specially coated with microscopic silica particles, which activate the coagulation process. Serum separator tubes contain a separation gel in the base of the tube; during centrifugation, this gel forms a stable barrier between the serum and the blood cells. In the primary tube and under recommended laboratory conditions, certain parameters remain stable for up to 48 hours. Tubes are packed 50 pcs per rack and 1200 pcs per carton

Item No.	Nom. Vol.	Cap Colour	Ring Colour	Tube Size	Description
Z Serum Clot Activator - PREMIUM (Safety Twist Cap)					
454098	1ml	red	white	13 x 75	Z Serum Clot Activator, paediatric draw
454096	2ml	red	white	13 x 75	Z Serum Clot Activator, paediatric draw
454095	3ml	red	black	13 x 75	Z Serum Clot Activator
454092	4ml	red	black	13 x 75	Z Serum Clot Activator
474092	4ml	red	black	13 x 75	Z Serum Clot Activator, transparent label
454027	4.5ml	red	black	13 x 75	Z Serum Clot Activator
474027	4.5ml	red	black	13 x 75	Z Serum Clot Activator, transparent label
456092	6ml	red	black	13 x 100	Z Serum Clot Activator
476092	6ml	red	black	13 x 100	Z Serum Clot Activator, transparent label
Z Serum Clot Activator - Non-ridged (pull cap)					
454236	2ml	red	white	13 x 75	Z Serum Clot Activator, paediatric draw
454461	2ml	red	white	13 x 75	Z Serum Clot Activator, paed. draw, transparent label
454474	3ml	red	black	13 x 75	Z Serum Clot Activator, transparent label
454433	4ml	red	black	13 x 75	Z Serum Clot Activator, transparent label
454204	4ml	red	black	13 x 75	Z Serum Clot Activator
454298	4.5ml	red	black	13 x 75	Z Serum Clot Activator
456089	6ml	red	black	13 x 100	Z Serum Clot Activator
456048	6ml	red	black	13 x 100	Z Serum Clot Activator, transparent label
455092	9ml	red	black	16 x 100	Z Serum Clot Activator
Z Serum Beads Clot Activator - Non-ridged (pull cap)					
454274	4ml	red	red	13 x 75	Z Serum Beads Clot Activator
454069	4.5ml	red	red	13 x 75	Z Serum Beads Clot Activator
456063	5ml	red	red	13 x 100	Z Serum Beads Clot Activator
455090	8ml	red	red	16 x 100	Z Serum Beads Clot Activator
455042	9ml	red	red	16 x 100	Z Serum Beads Clot Activator
Z Serum Sep Clot Activator - PREMIUM (Safety Twist Cap)					
454028	2.5ml	red	yellow	13 x 75	Z Serum Sep Clot Activator, paediatric draw
454071	4ml	red	yellow	13 x 75	Z Serum Sep Clot Activator
474071	4ml	red	yellow	13 x 75	Z Serum Sep Clot Activator, transparent label
454214	4ml	gold	gold	13 x 75	Z Serum Sep Clot Activator
474214	4ml	gold	gold	13 x 75	Z Serum Sep Clot Activator, transparent label
456071	5ml	red	yellow	13 x 100	Z Serum Sep Clot Activator
476071	5ml	red	yellow	13 x 100	Z Serum Sep Clot Activator, transparent label
456010	5ml	gold	gold	13 x 100	Z Serum Sep Clot Activator
476010	5ml	gold	gold	13 x 100	Z Serum Sep Clot Activator, transparent label

Item No.	Nom. Vol.	Cap Colour	Ring Colour	Tube Size	Description
Z Serum Sep Clot Activator - Non-ridged (pull cap)					
454243	2.5ml	red	white	13 x 75	Z Serum Sep Clot Activator, paediatric draw
454473	2.5ml	red	white	13 x 75	Z Serum Sep Clot Activator, paed. draw, transp. label
454225	3.5ml	red	yellow	13 x 75	Z Serum Sep Clot Activator
456214	3.5ml	red	yellow	13 x 100	Z Serum Sep Clot Activator
454067	4ml	red	yellow	13 x 75	Z Serum Sep Clot Activator
454228	4ml	gold	gold	13 x 75	Z Serum Sep Clot Activator
454078	4ml	red	yellow	13 x 75	Z Serum Sep Clot Activator, transparent label
456073	5ml	red	yellow	13 x 100	Z Serum Sep Clot Activator
456069	5ml	red	yellow	13 x 100	Z Serum Sep Clot Activator, transparent label
456018	5ml	gold	gold	13 x 100	Z Serum Sep Clot Activator
456234	5ml	gold	gold	13 x 100	Z Serum Sep Clot Activator, transparent label
455099	7ml	red	yellow	16 x 100	Z Serum Sep Clot Activator
455071	8ml	red	yellow	16 x 100	Z Serum Sep Clot Activator
455221	8ml	red	yellow	16 x 100	Z Serum Sep Clot Activator, transparent label
455010	9ml	red	yellow	16 x 100	Z Serum Sep Clot Activator
455059	9ml	red	yellow	16 x 100	Z Serum Sep Clot Activator, transparent label
455034	9ml	gold	gold	16 x 100	Z Serum Sep Clot Activator



Heparin

The inner wall of the tube is coated with spray-dried lithium, sodium, or ammonium heparin. These additives are anti-coagulants, which activate anti-thrombins, thus blocking the coagulation cascade of the blood specimen. LH Lithium Heparin Tubes are also available with a separator gel.

Tubes are packed 50 pcs per rack and 1200 pcs per carton

Item No.	Nom. Vol.	Cap Colour	Ring Colour	Tube Size	Description
LH Lithium Heparin - PREMIUM (Safety Twist Cap)					
454089	2ml	green	white	13 x 75	LH Lithium Heparin, paediatric draw
454082	3ml	green	black	13 x 75	LH Lithium Heparin
454084	4ml	green	black	13 x 75	LH Lithium Heparin
474084	4ml	green	black	13 x 75	LH Lithium Heparin, transparent label
454049	4.5ml	green	black	13 x 75	LH Lithium Heparin
456084	6ml	green	black	13 x 100	LH Lithium Heparin
476084	6ml	green	black	13 x 100	LH Lithium Heparin, transparent label
LH Lithium Heparin - Non-ridged (pull cap)					
454237	2ml	green	white	13 x 75	LH Lithium Heparin, paediatric draw
454244	3ml	green	black	13 x 75	LH Lithium Heparin
454029	4ml	green	black	13 x 75	LH Lithium Heparin
454056	4ml	green	black	13 x 75	LH Lithium Heparin, transparent label
456088	6ml	green	black	13 x 100	LH Lithium Heparin
455084	9ml	green	black	16 x 100	LH Lithium Heparin

LH Lithium Heparin Sep - PREMIUM (Safety Twist Cap)

454046	2.5ml	green	yellow	13 x 75	LH Lithium Heparin Sep, paediatric draw
454083	4ml	green	yellow	13 x 75	LH Lithium Heparin Sep
474083	4ml	green	yellow	13 x 75	LH Lithium Heparin Sep, transparent label
456083	5ml	green	yellow	13 x 100	LH Lithium Heparin Sep
476083	5ml	green	yellow	13 x 100	LH Lithium Heparin Sep, transparent label

LH Lithium Heparin Sep - Non-ridged (pull cap)

454247	3ml	green	yellow	13 x 75	LH Lithium Heparin Sep
454008	4ml	green	yellow	13 x 75	LH Lithium Heparin Sep
454285	4ml	green	yellow	13 x 75	LH Lithium Heparin Sep, transparent label
456087	5ml	green	yellow	13 x 100	LH Lithium Heparin Sep
456216	5ml	green	yellow	13 x 100	LH Lithium Heparin Sep, transparent label
455083	8ml	green	yellow	16 x 100	LH Lithium Heparin Sep

NH Sodium Heparin - PREMIUM (Safety Twist Cap)

454051	4ml	green	black	13 x 75	NH Sodium Heparin
456051	6ml	green	black	13 x 100	NH Sodium Heparin

NH Sodium Heparin - Non-ridged (pull cap)

454030	4ml	green	black	13 x 75	NH Sodium Heparin
456028	6ml	green	black	13 x 100	NH Sodium Heparin
455051	9ml	green	black	16 x 100	NH Sodium Heparin

AH Ammonium Heparin - Non-ridged (pull cap)

455031	9ml	green	red	16 x 100	AH Ammonium Heparin
--------	-----	-------	-----	----------	---------------------



K2E K2EDTA Sep

K2EDTA Sep Tubes are for the examination of EDTA plasma for molecular diagnostics and for viral load determinations. For optimal results, it is recommended to centrifuge K2E K2EDTA Sep Tubes within 6 hours following blood collection.

Tubes are packed 50 pcs per rack and 1200 pcs per carton

Item No.	Nom. Vol.	Cap Colour	Ring Colour	Tube Size	Description
K2E K2EDTA Sep - PREMIUM (Safety Twist Cap)					
454235	4ml	lavender	yellow	13 x 75	K2E K2EDTA Sep
456011	5ml	lavender	yellow	13 x 100	K2E K2EDTA Sep
456211	5ml	white	yellow	13 x 100	K2E K2EDTA Sep
K2E K2EDTA Sep - Non-ridged (pull cap)					
454059	4ml	lavender	yellow	13 x 75	K2E K2EDTA Sep
456058	5ml	white	yellow	13 x 100	K2E K2EDTA Sep
456282	5ml	lavender	yellow	13 x 100	K2E K2EDTA Sep
456205	5ml	white	yellow	13 x 100	K2E K2EDTA Sep, transparent label
455021	8ml	white	yellow	16 x 100	K2E K2EDTA Sep
455040	8ml	lavender	yellow	16 x 100	K2E K2EDTA Sep



EDTA

EDTA tubes are for the examination of whole blood in haematology. Are offered as either K2EDTA or K3EDTA tubes. EDTA binds the calcium ions and therefore blocks the coagulation cascade. Erythrocytes, leucocytes and thrombocytes in an EDTA anticoagulated blood sample are stable for up to 24 hours.

Tubes are packed 50 pcs per rack and 1200 pcs per carton

Item No.	Nom. Vol.	Cap Colour	Ring Colour	Tube Size	Description
K2E K2EDTA - PREMIUM (Safety Twist Cap)					
454024	2ml	lavender	white	13 x 75	K2E K2EDTA, paediatric draw
454020	3ml	lavender	black	13 x 75	K2E K2EDTA
454023	4ml	lavender	black	13 x 75	K2E K2EDTA
456023	6ml	lavender	black	13 x 100	K2E K2EDTA
K2E K2EDTA - Non-ridged (pull cap)					
454047	2ml	lavender	white	13 x 75	K2E K2EDTA, paediatric draw
454409	2ml	lavender	white	13 x 75	K2E K2EDTA, paediatric draw, transparent label
454246	3ml	lavender	black	13 x 75	K2E K2EDTA
454411	3ml	lavender	black	13 x 75	K2E K2EDTA, transparent label
454209	4ml	lavender	black	13 x 75	K2E K2EDTA
454410	4ml	lavender	black	13 x 75	K2E K2EDTA, transparent label
456043	6ml	lavender	black	13 x 100	K2E K2EDTA
456243	6ml	lavender	black	13 x 100	K2E K2EDTA, transparent label
455045	9ml	lavender	black	16 x 100	K2E K2EDTA, transparent label
K3E K3EDTA - PREMIUM (Safety Twist Cap)					
454034	1ml	lavender	white	13 x 75	K3E K3EDTA, paediatric draw
454087	2ml	lavender	white	13 x 75	K3E K3EDTA, paediatric draw
474087	2ml	lavender	white	13 x 75	K3E K3EDTA, transparent label
454086	3ml	lavender	black	13 x 75	K3E K3EDTA
474086	3ml	lavender	black	13 x 75	K3E K3EDTA, transparent label
454036	4ml	lavender	black	13 x 75	K3E K3EDTA
474036	4ml	lavender	black	13 x 75	K3E K3EDTA, transparent label
454039	4.5ml	lavender	black	13 x 75	K3E K3EDTA
456034	5ml	lavender	black	13 x 100	K3E K3EDTA
456036	6ml	lavender	black	13 x 100	K3E K3EDTA
K3E K3EDTA - Non-ridged (pull cap)					
454222	2ml	lavender	white	13 x 75	K3E K3EDTA, paediatric draw
454458	2ml	lavender	white	13 x 75	K3E K3EDTA, paediatric draw, transparent label
454217	3ml	lavender	black	13 x 75	K3E K3EDTA
454287	3ml	lavender	black	13 x 75	K3E K3EDTA, transparent label
454021	4ml	lavender	black	13 x 75	K3E K3EDTA
454425	4ml	lavender	black	13 x 75	K3E K3EDTA, transparent label
454223	4.5ml	lavender	black	13 x 75	K3E K3EDTA
456038	6ml	lavender	black	13 x 100	K3E K3EDTA
456053	6ml	lavender	black	13 x 100	K3E K3EDTA, transparent label
455036	9ml	lavender	black	16 x 100	K3E K3EDTA



No Additive

These tubes do not contain any additives. They can, for example, be used for CSF determinations or puncture specimens.

Tubes are packed 50 pcs per rack and 1200 pcs per carton

Item No.	Nom. Vol.	Cap Colour	Ring Colour	Tube Size	Description
Z No Additive - PREMIUM (Safety Twist Cap)					
454088	2ml	white	white	13 x 75	Z No Additive, paediatric draw
454001	4ml	white	black	13 x 75	Z No Additive
456001	6ml	white	black	13 x 100	Z No Additive
Z No Additive - Non-ridged (pull cap)					
454241	3ml	white	black	13 x 75	Z No Additive
454045	3.5ml	white	black	13 x 75	Z No Additive
456085	6ml	white	black	13 x 100	Z No Additive
455001	9ml	white	black	16 x 100	Z No Additive



Discard Tubes

The **VACUETTE®** Discard Tube is not for analysis. The tube interior contains no additive.

When using a winged butterfly set to draw a coagulation sample, a discard tube should be taken first. This will prime the line and therefore the coagulation tube will not be underfilled.

Tubes are packed 50 pcs per rack and 1200 pcs per carton

Item No.	Nom. Vol.	Cap Colour	Ring Colour	Tube Size	Description
Z Discard Tube - Non-ridged (pull cap)					
456202	5ml	black	red	13 x 100	Z Discard Tube
456217	5ml	white	black	13 x 100	Z Discard Tube



Glucose

The tubes are ideal for glucose determinations. Sodium Fluoride Tubes contain an anti-coagulant and a stabiliser.
Tubes are packed 50 pcs per rack and 1200 pcs per carton

Item No.	Nom. Vol.	Cap Colour	Ring Colour	Tube Size	Description
FX Sodium Fluoride / Potassium Oxalate - PREMIUM (Safety Twist Cap)					
454061	2ml	grey	white	13 x 75	FX Sodium Fluoride / Potassium Oxalate, paediatric draw
454094	3ml	grey	black	13 x 75	FX Sodium Fluoride / Potassium Oxalate
454062	4ml	grey	black	13 x 75	FX Sodium Fluoride / Potassium Oxalate
454438	4ml	grey	black	13 x 75	FX Sodium Fluoride / Potassium Oxalate, transp. label
456062	6ml	grey	black	13 x 100	FX Sodium Fluoride / Potassium Oxalate
FX Sodium Fluoride / Potassium Oxalate - Non-ridged (pull cap)					
454238	2ml	grey	white	13 x 75	FX Sodium Fluoride / Potassium Oxalate, paediatric draw
454297	4ml	grey	black	13 x 75	FX Sodium Fluoride / Potassium Oxalate
454438	4ml	grey	black	13 x 75	FX Sodium Fluoride / Potassium Oxalate, transp. label
FE Sodium Fluoride / K3EDTA - PREMIUM (Safety Twist Cap)					
454085	2ml	grey	white	13 x 75	FE Sodium Fluoride / K3EDTA, paediatric draw
454091	4ml	grey	black	13 x 75	FE Sodium Fluoride / K3EDTA
FE Sodium Fluoride / K3EDTA - Non-ridged (pull cap)					
454221	2ml	grey	white	13 x 75	FE Sodium Fluoride / K3EDTA, paediatric draw
454033	4ml	grey	black	13 x 75	FE Sodium Fluoride / K3EDTA
FH Sodium Fluoride / Sodium Heparin - PREMIUM (Safety Twist Cap)					
454218	2ml	grey	white	13 x 75	FH Sodium Fluoride / Sodium Heparin, paediatric draw
FH Sodium Fluoride / Sodium Heparin - Non-ridged (pull cap)					
454430	2ml	grey	white	13 x 75	FH Sodium Fluoride / Sodium Heparin, paediatric draw



Blood Grouping

Blood grouping tubes are available in two formulations, ACD-A, ACD-B or with a CPDA solution. Blood grouping tubes are for blood grouping determinations and also for cell preservation.
Tubes are packed 50 pcs per rack and 1200 pcs per carton

Item No.	Nom. Vol.	Cap Colour	Ring Colour	Tube Size	Description
ACD-A - PREMIUM (Safety Twist Cap)					
456055	6ml	yellow	black	13 x 100	ACD-A
ACD-A - Non-ridged (pull cap)					
455055	9ml	yellow	black	16 x 100	ACD-A
ACD-B - PREMIUM (Safety Twist Cap)					
456094	6ml	yellow	black	13 x 100	ACD-B
ACD-B - Non-ridged (pull cap)					
456204	6ml	yellow	black	13 x 100	ACD-B
455094	9ml	yellow	black	16 x 100	ACD-B
CPDA - PREMIUM (Safety Twist Cap)					
456056	6ml	yellow	black	13 x 100	CPDA
CPDA - Non-ridged (pull cap)					
454280	4ml	yellow	black	13 x 75	CPDA
456057	6ml	yellow	black	13 x 100	CPDA
455056	9ml	yellow	black	16 x 100	CPDA



Trace Elements

Designed to test trace elements: aluminium, arsenic, lead, cadmium, chrome, iron, fluoride, cobalt, copper, lithium, manganese, molybdenum, mercury, selenium, thalium, iron.

Tubes are packed 50 pcs per rack and 1200 pcs per carton

Item No.	Nom. Vol.	Cap Colour	Ring Colour	Tube Size	Description
NH Trace Elements Sodium Heparin - PREMIUM (Safety Twist Cap)					
456080	6ml	royal blue	black	13 x 100	NH Trace Elements Sodium Heparin
Z Trace Elements Serum Clot Activator - Non-ridged (pull cap)					
455060	9ml	royal blue	black	16 x 100	Z Trace Elements Serum Clot Activator



ESR

The erythrocyte sedimentation rate (ESR) can be used as a nonspecific search technique for inflammatory reactions and observing their development. **VACUETTE®** ESR tubes are used for determination of the ESR.

PET tubes are packed 50 pcs per rack and 1200 pcs per carton
PP tubes are packed 50 pcs per rack and 800 pcs per carton

Item No.	Nom. Vol.	Cap Colour	Ring Colour	Tube Size	Description
4NC ESR sodium citrate 3.2%, PET - PREMIUM (Safety Twist Cap)					
454284	1.5ml	black	black	13 x 75	4NC ESR sodium citrate 3.2%, PET
454073	2ml	black	black	13 x 75	4NC ESR sodium citrate 3.2%, PET
4NC ESR sodium citrate 3.2%, PP					
729073	1.5ml	black	---	9 x 120	4NC ESR sodium citrate 3.2%, PP, closed system
729070	2.75ml	black	---	9 x 120	4NC ESR sodium citrate 3.2%, PP, closed system
* Information on ESR readers and accessories can be found on page 44.					



Homocysteine

Homocysteine occurs in cell metabolism as an intermediary product during the catabolisation of methionine. A higher concentration of homocysteine in the blood can increase the risk for cardio and cerebrovascular blockages. Determination of the homocysteine concentration in plasma is therefore carried out for primary prevention - and sometimes for secondary prevention - of heart attacks and strokes.

Tubes are packed 50 pcs per rack and 1200 pcs per carton

Item No.	Nom. Vol.	Cap Colour	Ring Colour	Tube Size	Description
Homocysteine - PREMIUM (Safety Twist Cap)					
454421	2ml	white	red	13 x 75	Homocysteine Detection Tube



Crossmatch

Crossmatch Tubes are available in two versions. The Z Crossmatch Serum Clot Activator Tube contains a clotting activator and is suitable for cross-match tests when serum is required for testing material. The K3E Crossmatch K3EDTA Tube is suitable when the testing material required is blood cells.

Tubes are packed 50 pcs per rack and 1200 pcs per carton

Item No.	Nom. Vol.	Cap Colour	Ring Colour	Tube Size	Description
Z Crossmatch Serum Clot Activator - Non-ridged (pull cap)					
456097	6ml	pink	black	13 x 100	Z Crossmatch Serum Clot Activator
455093	9ml	pink	black	16 x 100	Z Crossmatch Serum Clot Activator
K3E Crossmatch K3EDTA - PREMIUM (Safety Twist Cap)					
456093	6ml	pink	black	13 x 100	K3E Crossmatch K3EDTA
K3E Crossmatch K3EDTA - Non-ridged (pull cap)					
456052	6ml	pink	black	13 x 100	K3E Crossmatch K3EDTA



Paediatric Tubes

VACUETTE® paediatric tubes have smaller sample volumes and are ideal for small children's veins and geriatric patients.

Tubes are packed 50 pcs per rack and 1200 pcs per carton

Item No.	Nom. Vol.	Cap Colour	Ring Colour	Tube Size	Description
Paediatric, Z No Additive - PREMIUM (Safety Twist Cap)					
454088	2ml	white	white	13 x 75	Z No Additive
Paediatric, 9NC Coagulation sodium citrate - PREMIUM (Safety Twist Cap)					
454320	1ml	light blue	white	13 x 75	9NC 3.2%, sandwich tube
454321	2ml	light blue	white	13 x 75	9NC 3.2%, sandwich tube
474321	2ml	light blue	white	13 x 75	9NC 3.2%, sandwich tube, transparent label
454381	2ml	light blue	white	13 x 75	9NC 3.8%, sandwich tube
Paediatric, 9NC Coagulation sodium citrate - Non-ridged (pull cap)					
454322	2ml	light blue	white	13 x 75	9NC 3.2%, sandwich tube
454360	2ml	light blue	white	13 x 75	9NC 3.2%, sandwich tube, transparent label
454382	2ml	light blue	white	13 x 75	9NC 3.8%, sandwich tube
Paediatric, Z Serum Clot Activator - PREMIUM (Safety Twist Cap)					
454098	1ml	red	white	13 x 75	Z Serum Clot Activator
454096	2ml	red	white	13 x 75	Z Serum Clot Activator
Paediatric, Z Serum Clot Activator - Non-ridged (pull cap)					
454236	2ml	red	white	13 x 75	Z Serum Clot Activator
Paediatric, LH Lithium Heparin - PREMIUM (Safety Twist Cap)					
454081	1ml	green	white	13 x 75	LH Lithium Heparin
454089	2ml	green	white	13 x 75	LH Lithium Heparin
Paediatric, LH Lithium Heparin - Non-ridged (pull cap)					
454237	2ml	green	white	13 x 75	LH Lithium Heparin
Paediatric, K2E K2EDTA - PREMIUM (Safety Twist Cap)					
454024	2ml	lavender	white	13 x 75	K2E K2EDTA
Paediatric, K2E K2EDTA - Non-ridged (pull cap)					
454052	1ml	lavender	white	13 x 75	K2E K2EDTA
454047	2ml	lavender	white	13 x 75	K2E K2EDTA
454409	2ml	lavender	white	13 x 75	K2E K2EDTA, transparent label
Paediatric, K3E K3EDTA - PREMIUM (Safety Twist Cap)					
454034	1ml	lavender	white	13 x 75	K3E K3EDTA
454087	2ml	lavender	white	13 x 75	K3E K3EDTA
474087	2ml	lavender	white	13 x 75	K3E K3EDTA, transparent label
Paediatric, K3E K3EDTA - Non-ridged (pull cap)					
454222	2ml	lavender	white	13 x 75	K3E K3EDTA
Paediatric, Glucose - PREMIUM (Safety Twist Cap)					
454061	2ml	grey	white	13 x 75	FX Sodium Fluoride / Potassium Oxalate
454085	2ml	grey	white	13 x 75	FE Sodium Fluoride / K3EDTA
454218	2ml	grey	white	13 x 75	FH Sodium Fluoride / Sodium Heparin
Paediatric, Glucose - Non-ridged (pull cap)					
454238	2ml	grey	white	13 x 75	FX Sodium Fluoride / Potassium Oxalate
454221	2ml	grey	white	13 x 75	FE Sodium Fluoride / K3EDTA
454430	2ml	grey	white	13 x 75	FH Sodium Fluoride / Sodium Heparin





Paediatric Accessories

VACUETTE® paediatric accessories are ideal for small children's veins and geriatric patients.

Item No.	Description	Size		Packaging	
				Inner	Outer
450071	VACUETTE® Multiple Use Drawing Needle black (sterile)	25 x 0.7mm	22G x 1"	100 pcs.	2000 pcs.
450075	VACUETTE® Multiple Use Drawing Needle black (sterile)	38 x 0.7mm	22G x 1 1/2"	100 pcs.	2000 pcs.
450043	VACUETTE® VISIO PLUS Needle black (sterile)	25 x 0.7mm	22G x 1"	100 pcs.	2000 pcs.
450041	VACUETTE® VISIO PLUS Needle black (sterile)	38 x 0.7mm	22G x 1 1/2"	100 pcs.	2000 pcs.
450059	Blood Collection Set (sterile)	tubing length: 10cm	21G x 3/4"	50 pcs.	1000 pcs.
450155	Blood Collection Set (sterile)	tubing length: 19cm	23G x 3/4"	50 pcs.	1000 pcs.
450064	Blood Collection Set + Luer Adapter	tubing length: 10cm	21G x 3/4"	50 pcs.	1000 pcs.
450089	Blood Collection Set + Luer Adapter (sterile)	tubing length: 19cm	23G x 3/4"	50 pcs.	1000 pcs.
450090	Safety Blood Collection Set/Infusion Set	tubing length: 19cm	25G x 3/4"	50 pcs.	1000 pcs.
450084	Safety Blood Collection Set + Luer Adapter (sterile)	tubing length: 10cm	23G x 3/4"	50 pcs.	1000 pcs.
450099	Safety Blood Collection Set + Luer Adapter (sterile)	tubing length: 30cm	25G x 3/4"	50 pcs.	1000 pcs.
450086	Safety Blood Collection Set + Holder (sterile)	tubing length: 19cm	23G x 3/4"	24 pcs.	240 pcs.
450080	Safety Blood Collection Set + Holder (sterile)	tubing length: 30cm	25G x 3/4"	24 pcs.	240 pcs.
450373	Blood Collection Set + Holder (sterile)	tubing length: 19cm	23G x 3/4"	24 pcs.	240 pcs.
450375	Blood Collection Set + Holder (sterile)	tubing length: 19cm	25G x 3/4"	24 pcs.	240 pcs.
840051	VACUETTE® Tourniquet for children, latex free			1 pc.	500 pcs.
840053	VACUETTE® Disposable Tourniquet, latex free			25 pcs.	2500 pcs.
Capillary Blood Collection Systems can be found on page 42.					

VACUETTE® Safety Products



 VACUETTE® Safety Tube Holders	28
TIPGUARD Safety Tube Holder	28
QUICKSHIELD Safety Tube Holders	28
 VACUETTE® Safety Blood Collection Sets	29
Safety Blood Collection/Infusion Sets	29
Safety Blood Collection Sets + Luer Adapters	29
Safety Blood Collection Sets + Holders	29
Safety Blood Collection Sets + Blood Culture Holders	29

VACUETTE® Safety Products

In the healthcare sector, sharps injuries account for most work-related transmissions of infectious diseases, whereby needlestick injuries present by far the greatest risk. More than 50% of all registered cases concern nursing staff, followed by doctors and laboratory staff.

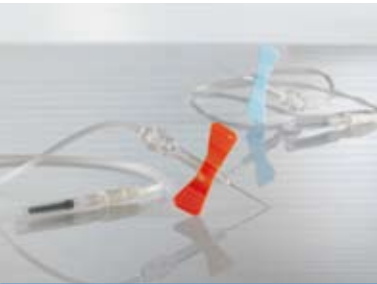
However, needlestick injuries need not be an occupational risk. By using **VACUETTE®** Safety Products, this danger can be virtually eliminated.



Safety Tube Holders

The **VACUETTE®** QUICKSHIELD Safety Tube Holder with integrated protective shield is easy to use. The **VACUETTE®** TIPGUARD Safety Tube Holder with integrated spring mechanism provides comfort for safe blood sampling. Comfort and safety are the key features of the **VACUETTE®** TIPGUARD Safety Tube Holder. The spring safety mechanism is activated by pressing the two blue release triggers on the top of the holder whilst the needle is still in the vein. The needle is then automatically withdrawn back into the holder, ready for disposal with no risk of injury. The holder should only be used with **VACUETTE®** blood collection needles.

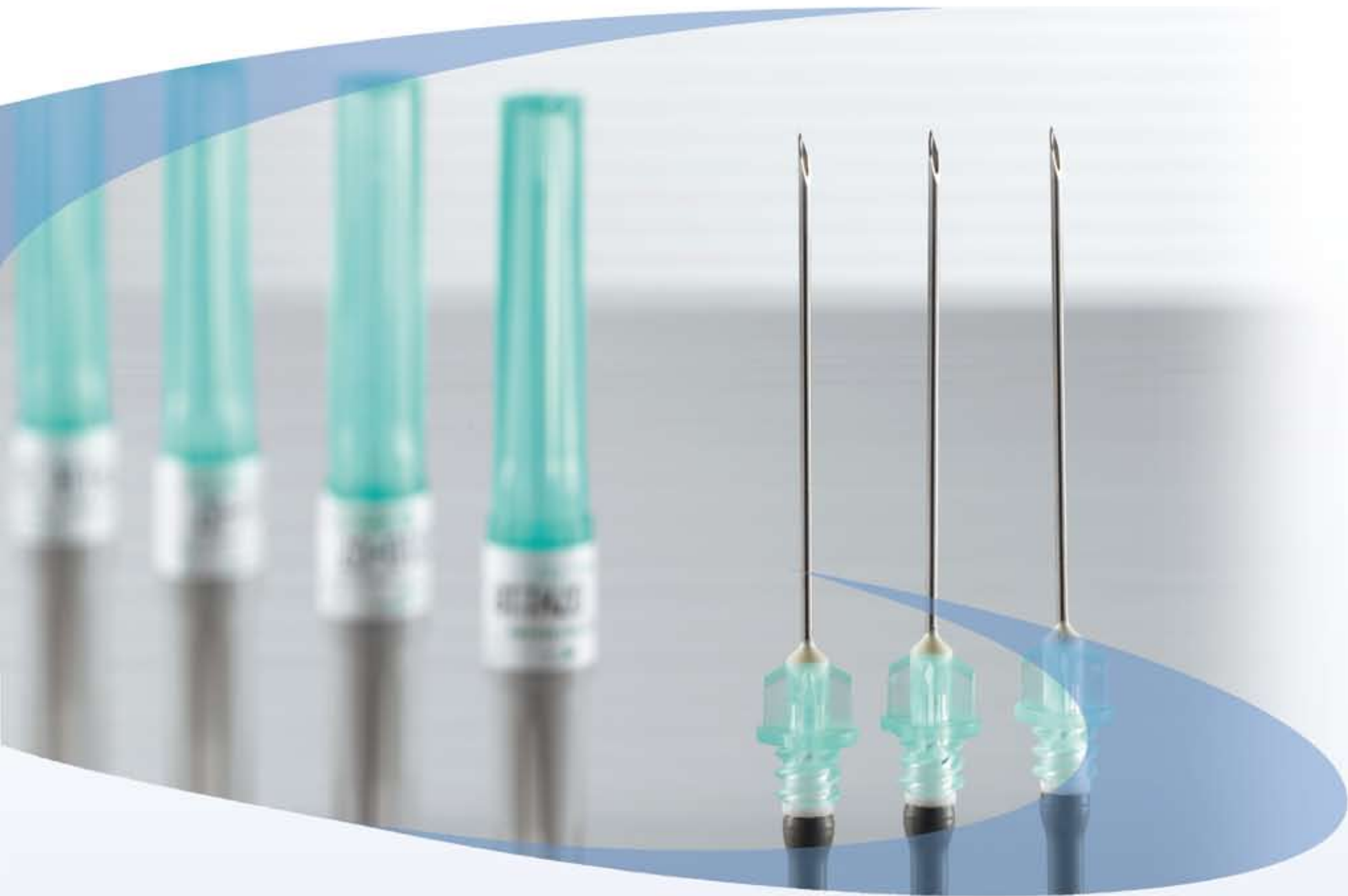
Item No.	Description	Packaging	
		Inner	Outer
	VACUETTE® TIPGUARD Safety Tube Holder		
450240	VACUETTE® TIPGUARD Safety Tube Holder	60 pcs.	480 pcs.
	VACUETTE® QUICKSHIELD Safety Tube Holders		
450230	VACUETTE® QUICKSHIELD Safety Tube Holder	50 pcs.	1000 pcs.
450238	VACUETTE® QUICKSHIELD Complete 21G x 1", sterile Safety Tube Holder & VACUETTE® Multiple Use Drawing Needle Combination Product	30 pcs.	300 pcs.
450237	VACUETTE® QUICKSHIELD Complete 21G x 1 1/2", sterile Safety Tube Holder & VACUETTE® Multiple Use Drawing Needle Combination Product	30 pcs.	300 pcs.
450234	VACUETTE® QUICKSHIELD Complete 22G x 1", sterile Safety Tube Holder & VACUETTE® Multiple Use Drawing Needle Combination Product	30 pcs.	300 pcs.
450206	VACUETTE® QUICKSHIELD Complete 22G x 1 1/2", sterile Safety Tube Holder & VACUETTE® Multiple Use Drawing Needle Combination Product	30 pcs.	300 pcs.
450235	VACUETTE® QUICKSHIELD Complete PLUS 21G x 1", sterile Safety Tube Holder & VACUETTE® VISIO PLUS Needle Combination Product	30 pcs.	300 pcs.
450239	VACUETTE® QUICKSHIELD Complete PLUS 21G x 1 1/2", sterile Safety Tube Holder & VACUETTE® VISIO PLUS Needle Combination Product	30 pcs.	300 pcs.
450226	VACUETTE® QUICKSHIELD Complete PLUS 22G x 1", sterile Safety Tube Holder & VACUETTE® VISIO PLUS Needle Combination Product	30 pcs.	300 pcs.
450228	VACUETTE® QUICKSHIELD Complete PLUS 22G x 1 1/2", sterile Safety Tube Holder & VACUETTE® VISIO PLUS Needle Combination Product	30 pcs.	300 pcs.



Safety Blood Collection Sets

Safety Blood Collection Sets are available in four versions; either with or without Luer Adapter, or with Luer Adapter and Holder or with Blood Culture Holder.

Item No.	Description	Size	Packaging		
			Inner	Outer	
Safety Blood Collection/Infusion Sets (sterile)					
450090	Safety Blood Collection/Infusion Set	tubing length: 19cm	25G x 3/4"	50 pcs.	1000 pcs.
450091	Safety Blood Collection/Infusion Set	tubing length: 19cm	21G x 3/4"	50 pcs.	1000 pcs.
450092	Safety Blood Collection/Infusion Set	tubing length: 19cm	23G x 3/4"	50 pcs.	1000 pcs.
Safety Blood Collection Sets + Luer Adapters (sterile)					
450083	Safety Blood Collection Set + Luer Adapter	tubing length: 10cm	21G x 3/4"	50 pcs.	1000 pcs.
450081	Safety Blood Collection Set + Luer Adapter	tubing length: 19cm	21G x 3/4"	50 pcs.	1000 pcs.
450095	Safety Blood Collection Set + Luer Adapter	tubing length: 30cm	21G x 3/4"	50 pcs.	1000 pcs.
450084	Safety Blood Collection Set + Luer Adapter	tubing length: 10cm	23G x 3/4"	50 pcs.	1000 pcs.
450082	Safety Blood Collection Set + Luer Adapter	tubing length: 19cm	23G x 3/4"	50 pcs.	1000 pcs.
450096	Safety Blood Collection Set + Luer Adapter	tubing length: 30cm	23G x 3/4"	50 pcs.	1000 pcs.
450099	Safety Blood Collection Set + Luer Adapter	tubing length: 30cm	25G x 3/4"	50 pcs.	1000 pcs.
Safety Blood Collection Sets + Holders (sterile)					
450087	Safety Blood Collection Set + Holder	tubing length: 10cm	21G x 3/4"	24 pcs.	240 pcs.
450085	Safety Blood Collection Set + Holder	tubing length: 19cm	21G x 3/4"	24 pcs.	240 pcs.
450086	Safety Blood Collection Set + Holder	tubing length: 19cm	23G x 3/4"	24 pcs.	240 pcs.
450080	Safety Blood Collection Set + Holder	tubing length: 30cm	25G x 3/4"	24 pcs.	240 pcs.
Safety Blood Collection Sets + Blood Culture Holders (sterile)					
450182	Safety Blood Collection Set + Blood Culture Holder	tubing length: 19cm	21G x 3/4"	24 pcs.	240 pcs.
450183	Safety Blood Collection Set + Blood Culture Holder	tubing length: 19cm	23G x 3/4"	24 pcs.	240 pcs.
450184	Safety Blood Collection Set + Blood Culture Holder	tubing length: 30cm	21G x 3/4"	24 pcs.	240 pcs.
450185	Safety Blood Collection Set + Blood Culture Holder	tubing length: 30cm	23G x 3/4"	24 pcs.	240 pcs.



➤ Tube Holders	32
Standard Tube Holders	32
Speedy Quick Release Holder	32
HOLDEX® Single-Use Holders	32
Blood Transfer Unit	32
Snappy Tube Holder	32
Blood Culture Holder	32
➤ Blood Collection Sets	33
Blood Collection Sets	33
Blood Collection Sets + Luer Adapters	33
Blood Collection Sets + Holders	33
Blood Collection Sets + Blood Culture Holders	33
➤ VACUETTE® Blood Collection Needles	34
Hypodermic Luer Needles / Luer Adapters	34
Multiple Use Drawing Needles	34
Single Sample Needles	34
➤ VACUETTE® VISIO PLUS Needles	35
➤ Sharps Disposal Containers	35
Sharps Disposal Containers	35
Accessories	35
➤ Snap Caps	36
➤ Additional Accessories	36
VacuDrop	36
Tourniquets	36
Aliquot Tubes	36
ID Snap Rings	36
➤ VACUETTE® Decappers	37
UNICAP Decappers	37
Accessories	37
➤ VACUETTE® Transport Line	38
Transport Boxes (VTB)	38
Transport Containers (VTC)	38
Transport Tubes (VTT)	38
➤ Accessories VACUETTE® Transport Line	39
Bags	39
Labels	39
ThermoScan Temperature Monitoring Unit	39

VACUETTE® Blood Collection Accessories / Medical Devices

Simple handling and safety are of the highest importance during daily routine procedures. The requirements of the user are therefore the prime consideration during development of **VACUETTE®** Blood Collection Accessories. This led to development of products like the HOLDEX® Single-Use Holder, which was designed especially for patients with difficult vein conditions.

The eccentric Luer nozzle of the HOLDEX® Single-Use Holder, positioned off-centre, guarantees the optimal angle for venipuncture. Another product is the **VACUETTE®** Multiple Use Drawing Needle. The special cut of the needle and the smoothly ground tip ensure gentle penetration of the patient's vein. More details on **VACUETTE®** Blood Collection Accessories can be found on the following pages.



Tube Holders

Tube Holders should be used exclusively with **VACUETTE®** Multiple Use Drawing Needles or **VACUETTE®** VISIO PLUS Needles, as both components are designed for optimal compatibility with one another. The use of these products with needles from other manufacturers is the responsibility of the user.

Item No.	Description	Packaging	
		Inner	Outer
Standard Tube Holders			
450201	Standard Tube Holder (short version)	10 pcs.	1200 pcs.
450208	Standard Tube Holder (short version)	200 pcs.	2000 pcs.
450209	Standard Tube Holder (short version)	100 pcs.	2000 pcs.
450213	Standard Tube Holder (long version)	10 pcs.	1000 pcs.
450219	Standard Tube Holder (long version)	100 pcs.	1000 pcs.
Speedy Quick Release Holder			
450212	Speedy Quick Release Holder	10 pcs.	1000 pcs.
HOLDEX® Single-Use Holders (sterile)			
450216	Plastic Cannula HOLDEX®	1 pc.	1000 pcs.
450263	HOLDEX® Single-Use Holder PP	100 pcs.	800 pcs.
Blood Transfer Unit (sterile)			
450225	Blood Transfer Unit PP	100 pcs.	800 pcs.
Snappy Tube Holder			
450227	Snappy Tube Holder	100 pcs.	2000 pcs.
Blood Culture Holder			
450181	Blood Culture Holder, non sterile	40 pcs.	320 pcs.



Blood Collection Sets

These products are primarily for use in paediatrics and for patients with difficult vein conditions. Blood Collection Sets are available with different tubing lengths and needle gauges. The sets are available pre-assembled with Luer Adapter or Luer Adapter and Holder.

Item No.	Description	Size	Packaging		
			Inner	Outer	
Blood Collection Sets (sterile)					
450059	Blood Collection Set	tubing length: 10cm	21G x 3/4"	50 pcs.	1000 pcs.
450153	Blood Collection Set	tubing length: 19cm	21G x 3/4"	50 pcs.	1000 pcs.
450155	Blood Collection Set	tubing length: 19cm	23G x 3/4"	50 pcs.	1000 pcs.
Blood Collection Sets + Luer Adapters (sterile)					
450064	Blood Collection Set + Luer Adapter	tubing length: 10cm	21G x 3/4"	50 pcs.	1000 pcs.
450065	Blood Collection Set + Luer Adapter	tubing length: 30cm	21G x 3/4"	50 pcs.	1000 pcs.
450066	Blood Collection Set + Luer Adapter	tubing length: 19cm	21G x 3/4"	50 pcs.	1000 pcs.
450089	Blood Collection Set + Luer Adapter	tubing length: 19cm	23G x 3/4"	50 pcs.	1000 pcs.
450159	Blood Collection Set + Luer Adapter	tubing length: 30cm	23G x 3/4"	50 pcs.	1000 pcs.
Blood Collection Sets + Holders (sterile)					
450371	Blood Collection Set + Holder	tubing length: 19cm	21G x 3/4"	24 pcs.	240 pcs.
450373	Blood Collection Set + Holder	tubing length: 19cm	23G x 3/4"	24 pcs.	240 pcs.
450375	Blood Collection Set + Holder	tubing length: 19cm	25G x 3/4"	24 pcs.	240 pcs.
Blood Collection Sets + Blood Culture Holder (sterile)					
450186	Blood Collection Set + Blood Culture Holder	tubing length: 19cm	21G x 3/4"	24 pcs.	240 pcs.



Blood Collection Needles

Blood Collection Needles are predominantly used in routine blood collection and are exclusively single-use. The colour of the needle protective cap simplifies visual recognition of the individual needle gauges. For example, yellow symbolises the needle dimension 20 G (0.90 mm), green 21 G (0.80 mm) and black 22 G (0.70 mm). Blood Collection Needles are supplied in two lengths: 1" and 1 1/2" (25 mm and 38 mm).

Item No.	Description	Size	Packaging		
			Inner	Outer	
Hypodermic Luer Needles / Luer Adapters (sterile)					
411072	Hypodermic Luer Needle, yellow	38 x 0.9mm	20G x 1 1/2"	100 pcs.	2000 pcs.
411073	Hypodermic Luer Needle, green	38 x 0.8mm	21G x 1 1/2"	100 pcs.	2000 pcs.
411074	Hypodermic Luer Needle, black	38 x 0.7mm	22G x 1 1/2"	100 pcs.	2000 pcs.
450070	VACUETTE® Luer Adapter	20G		100 pcs.	2000 pcs.
VACUETTE® Multiple Use Drawing Needles (sterile)					
450047	VACUETTE® Multiple Use Drawing Needle, pink, suitable for veterinary use	25 x 1.25mm	18G x 1"	100 pcs.	2000 pcs.
450048	VACUETTE® Multiple Use Drawing Needle, pink, suitable for veterinary use	38 x 1.25mm	18G x 1 1/2"	100 pcs.	2000 pcs.
450071	VACUETTE® Multiple Use Drawing Needle, black	25 x 0.7mm	22G x 1"	100 pcs.	2000 pcs.
450072	VACUETTE® Multiple Use Drawing Needle, green	25 x 0.8mm	21G x 1"	100 pcs.	2000 pcs.
450073	VACUETTE® Multiple Use Drawing Needle, yellow	25 x 0.9mm	20G x 1"	100 pcs.	2000 pcs.
450075	VACUETTE® Multiple Use Drawing Needle, black	38 x 0.7mm	22G x 1 1/2"	100 pcs.	2000 pcs.
450076	VACUETTE® Multiple Use Drawing Needle, green	38 x 0.8mm	21G x 1 1/2"	100 pcs.	2000 pcs.
450077	VACUETTE® Multiple Use Drawing Needle, yellow	38 x 0.9mm	20G x 1 1/2"	100 pcs.	2000 pcs.
VACUETTE® Single Sample Needles (sterile, for veterinary use only)					
450068	VACUETTE® Single Sample Needle, pink	25 x 1.25mm	18G x 1"	100 pcs.	2000 pcs.
450069	VACUETTE® Single Sample Needle, pink	38 x 1.25mm	18G x 1 1/2"	100 pcs.	2000 pcs.



VACUETTE® VISIO PLUS Needles

The **VACUETTE®** VISIO PLUS Needle with optical venipuncture control can make an important contribution to simplifying blood collection routine for phlebotomists. The needle has a transparent plastic hub, which functions as a view window. If venipuncture is successful, the view window is coloured red due to the blood flow.

Item No.	Description	Size	Packaging		
			Inner	Outer	
VACUETTE® VISIO PLUS Needles (sterile)					
450040	VACUETTE® VISIO PLUS Needle, green	38 x 0.8mm	21G x 1 1/2"	100 pcs.	2000 pcs.
450041	VACUETTE® VISIO PLUS Needle, black	38 x 0.7mm	22G x 1 1/2"	100 pcs.	2000 pcs.
450042	VACUETTE® VISIO PLUS Needle, green	25 x 0.8mm	21G x 1"	100 pcs.	2000 pcs.
450043	VACUETTE® VISIO PLUS Needle, black	25 x 0.7mm	22G x 1"	100 pcs.	2000 pcs.



Sharps Disposal Containers

Used blood collection equipment should always be disposed of in non-penetrable containers. All containers detailed here are suitable for safe, contamination-free disposal of needles, sharps and dangerous objects. A range of containers in different sizes is available, from 0.6 litres to 50 litres.

Item No.	Description	Size	Packaging	
			Inner	Outer
Sharps Disposal Containers				
450330	Minicompact	0.6 Litre	1 pc.	150 pcs.
450331	Minicompact	1.0 Litre	1 pc.	150 pcs.
450332	Biocompact	1.8 Litre	1 pc.	30 pcs.
450333	Biocompact	3.0 Litre	1 pc.	30 pcs.
450334	Biocompact	5.0 Litre	1 pc.	30 pcs.
450335	Biocompact	10 Litre	1 pc.	30 pcs.
450338	Biogrip	30 Litre	1 pc.	1 pc.
450339	Biogrip	50 Litre	1 pc.	1 pc.
Accessories				
450340	Minicompact Table Support, for 0.6 L and 1 L Minicompact containers		1 pc.	1 pc.
450341	Biocompact Table Support, for 1.8 L and 3 L Biocompact containers		1 pc.	1 pc.
450342	Biocompact Wall Support, for 1.8 L, 3 L, 5 L and 10 L Biocompact containers		1 pc.	1 pc.
450343	Compact Blood Collection Tray, for 0.6 L, 1 L, 1.8 L and 3 L containers		1 pc.	1 pc.



Snap Caps

For recapping opened **VACUETTE®** tubes. Snap caps are suitable for all 13mm **VACUETTE®** tubes.

Item No.	Cap Colour	Description	Packaging	
			Inner	Outer
371516	white	Snap Cap for recapping 13mm tubes	1000 pcs.	5000 pcs.
371517	green	Snap Cap for recapping 13mm tubes	1000 pcs.	5000 pcs.
371518	yellow	Snap Cap for recapping 13mm tubes	1000 pcs.	5000 pcs.
371519	royal blue	Snap Cap for recapping 13mm tubes	1000 pcs.	5000 pcs.
371522	red	Snap Cap for recapping 13mm tubes	1000 pcs.	5000 pcs.
371523	lavender	Snap Cap for recapping 13mm tubes	1000 pcs.	5000 pcs.
371527	pink	Snap Cap for recapping 13mm tubes	1000 pcs.	5000 pcs.



Additional Accessories

Additional accessories, such as tourniquets and VacuDrop complete the comprehensive **VACUETTE®** Blood Collection range.

Item No.	Description	Packaging	
		Inner	Outer
458815	VacuDrop	300 pcs.	3000 pcs.
840050	VACUETTE® Tourniquet (latex-free)	1 pc.	500 pcs.
840051	VACUETTE® Tourniquet for children (latex-free)	1 pc.	500 pcs.
840053	VACUETTE® Disposable Tourniquet (latex-free)	1 roll/25 pcs.	100 rolls
840054	SAINT Disposable Tourniquet (latex-free)	100 pcs.	1000 pcs.
459000	Aliquot Tube with white Safety Screw Cap 13x75, PP, not assembled	1500 tubes / caps	
459001	Aliquot Tube with orange Safety Screw Cap 13x75, PP, not assembled	1500 tubes / caps	
458710	VACUETTE® ID Snap Ring - Starter Kit (contains all 3 colours)	500 pcs.	3000 pcs.
458711	VACUETTE® ID Snap Ring, orange	500 pcs.	4000 pcs.
458712	VACUETTE® ID Snap Ring, green	500 pcs.	4000 pcs.
458713	VACUETTE® ID Snap Ring, pink	500 pcs.	4000 pcs.



Decappers

Depending on the type of instrument, the **VACUETTE®** UNICAP Decappers open **VACUETTE®** Blood Collection Tubes quickly and safely, either directly in the analyser rack or after placing tubes in adapters of the decapping belt. The time consuming process of sorting out various tube types prior to decapping is no longer necessary, as the UNICAP instruments can open different tube types in one working step.

Item No.	Description	Packaging	
		Inner	Outer
855900	VACUETTE® UNICAP Decapper for Roche / Hitachi Racks	1 pc.	1 pc.
855901	VACUETTE® UNICAP Decapper for Tecan Racks	1 pc.	1 pc.
855902	VACUETTE® UNICAP Decapper for Bayer Advia Racks	1 pc.	1 pc.
855903	VACUETTE® UNICAP Decapper for Olympus Racks	1 pc.	1 pc.
855904	VACUETTE® UNICAP Decapper (with belt adapter for insertion of tubes)	1 pc.	1 pc.
855905	VACUETTE® UNICAP Decapper for Sysmex / Iris / Menarini	1 pc.	1 pc.

Accessories

855907	VACUETTE® UNICAP Belt Adapter 100 mm (grey)	40 pcs.
855908	VACUETTE® UNICAP Belt Adapter 75 mm (anthracite)	40 pcs.



VACUETTE® Transport Line

The **VACUETTE®** Transport Line ensures safe transport of biological substances category B from blood collection right up until analysis in the laboratory.

The transport systems have been tested and approved in accordance with ADR/RID.

Item No.	Description	Packaging	
		Inner	Outer
VACUETTE® Transport Boxes (VTB)			
472001	VACUETTE® Transport Box (VTB) incl. Foam Insert for 40 Tubes <u>with</u> Transport Carton HK0190	–	10 pcs.
472040	VACUETTE® Transport Box (VTB) incl. Foam Insert for 40 Tubes <u>without</u> Transport Carton HK0190	–	10 pcs.
472010	Foam Insert yellow for VACUETTE® Transport Box (VTB) for 40 Tubes	–	10 pcs.
HK0190	Transport Carton for 1 pc. VACUETTE® Transport Box (VTB)	–	10 pcs.
472016	Cooler Pack for VACUETTE® Transport Box (VTB), light blue L220 x B120 x H11mm	1	52 pcs.
472011	GBO Rack for Blood Collection Tubes	1	100 pcs.
VACUETTE® Transport Containers (VTC)			
800105	VACUETTE® Transport Container (VTC) incl. Foam Insert for 12 Tubes <u>with</u> Transport Carton HK0259	–	12 pcs.
800110	VACUETTE® Transport Container (VTC) incl. Foam Insert for 12 Tubes <u>without</u> Transport Carton HK0259	–	12 pcs.
800101	Foam Insert for VACUETTE® Transport Container (VTC) for 12 Tubes	–	20 pcs.
HK0259	Transport carton for 1 pc. VACUETTE® Transport Container (VTC)	–	10 pcs.
472017	Cooler Pad for VACUETTE® Transport Container (VTC), light blue, Ø 90mm	1	300 pcs.
472015	Absorbent Pad for VACUETTE® Transport Box (VTB) and VACUETTE® Transport Container (VTC)	–	100 pcs.
VACUETTE® Transport Tubes (VTT)			
228270	VACUETTE® Transport Tube (VTT) for 1 Tube (not assembled with cap)	–	500 pcs.
228271	VACUETTE® Transport Tube (VTT) for 1 Tube incl. Absorbent Pad (not assembled with cap)	–	500 pcs.
209070	Absorbent Pad for VACUETTE® Transport Tube (VTT)	–	50 pcs.



Accessories Transport Line

Carrier bags are suitable for convenient transport of one or several **VACUETTE®** transport boxes or containers. The transport bags consist of iso-thermal material and are thus equally suitable for keeping samples cool. Separate pocket slot for transport documents and cool pack. The ThermoScan Temperature Monitoring Unit can be used all over the world, wherever it is necessary to monitor the temperature over a longer period of time with a calibrated instrument.

Item No.	Description	Packaging
Bags VACUETTE® Transport Line		
472020	Carrier Bag (Isotherm), small, dark blue, for 1 pc. VACUETTE® Transport Box (VTB)	1 pc.
472022	Carrier Bag (Isotherm), small, dark blue, for 1 pc. VACUETTE® Transport Container (VTC)	1 pc.
472023	Carrier Bag (Isotherm), medium, dark blue for 3 pcs. VACUETTE® Transport Boxes (VTB)	1 pc.
472024	Carrier Bag (Isotherm), big, dark blue for 4 pcs. VACUETTE® Transport Boxes (VTB)	1 pc.
Labels VACUETTE® Transport Line		
HE4723	Label "UN 3373"	10 pcs.
ThermoScan Temperature Monitoring Unit VACUETTE® Transport Line		
472200	ThermoScan without certificate (2x Logger, 1x Reader, 1x Software)	1 pc.
472201	ThermoScan with certificate (2x Logger, 1x Reader, 1x Software)	1 pc.
472202	Temperature Logger for ThermoScan (without certificate)	1 pc.
472203	Temperature Logger for ThermoScan (with certificate)	1 pc.
472204	Clips for Temperature Logger, black (spare part)	10 pc.

MiniCollect® Capillary Blood Collection System



MiniCollect® Capillary Blood Collection System (Tubes)	42
Z No Additive	42
9NC Coagulation 3.2%	42
9NC Coagulation 3.8%	42
Z Serum	42
Z Serum Sep	42
LH Lithium Heparin	42
LH Lithium Heparin Sep	42
K3E K3EDTA	42
K2E K2EDTA	42
FX Sodium Fluoride / Potassium Oxalate	42
MiniCollect® Capillary Blood Collection System (Accessories)	43
Carrier Tubes	43
Funnels	43
Capillaries	43
Safety Lancets	43

MiniCollect® Capillary Blood Collection System

The **MiniCollect®** product line is a functional capillary blood collection system, which has been especially developed for patients with difficult veins, children and neonates. Our innovative design guarantees high functionality and flexibility during use.

The unique construction of the closure cap enables the user to collect a blood sample without having to open the tube, saving time and ensuring increased safety.





Capillary Blood Collection System (Tubes)

MiniCollect® Tubes are suitable for collection, transport and processing of capillary blood (collected by lancet stick) from infants, toddlers, children, geriatric patients and patients in intensive care. The tubes are available for different areas of application with a choice of fill volumes. Sample volumes range from 0.25 to 1ml.

Item No.	Nom. Vol.	Cap Colour	Description	Packaging	
				Inner	Outer
Z No Additive					
450412	---	white	Z No Additive	100 pcs.	1000 pcs.
9NC Coagulation 3.2%					
450447	0.5ml	light blue	9NC Coagulation 3.2% (only suitable for venous blood)	100 pcs.	1000 pcs.
450413	1ml	light blue	9NC Coagulation 3.2% (only suitable for venous blood)	100 pcs.	1000 pcs.
9NC Coagulation 3.8%					
450409	1ml	light blue	9NC Coagulation 3.8% (only suitable for venous blood)		
Z Serum					
450471	0.5ml	red	Z Serum	100 pcs.	1000 pcs.
450470	1ml	red	Z Serum	100 pcs.	1000 pcs.
Z Serum Sep					
450473	0.5ml	gold	Z Serum Sep	100 pcs.	1000 pcs.
450472	0.8ml	gold	Z Serum Sep	100 pcs.	1000 pcs.
LH Lithium Heparin					
450478	0.5ml	green	LH Lithium Heparin	100 pcs.	1000 pcs.
450477	1ml	green	LH Lithium Heparin	100 pcs.	1000 pcs.
LH Lithium Heparin Sep					
450479	0.8ml	green	LH Lithium Heparin Sep	100 pcs.	1000 pcs.
K3E K3EDTA					
450476	0.25ml	lavender	K3E K3EDTA	100 pcs.	1000 pcs.
450475	0.5ml	lavender	K3E K3EDTA	100 pcs.	1000 pcs.
450474	1ml	lavender	K3E K3EDTA	100 pcs.	1000 pcs.
K2E K2EDTA					
450484	0.25ml	lavender	K2E K2EDTA, transparent label	100 pcs.	1000 pcs.
450480	0.5ml	lavender	K2E K2EDTA	100 pcs.	1000 pcs.
FX Sodium Fluoride / Potassium Oxalate					
450481	0.25ml	grey	FX Sodium Fluoride / Potassium Oxalate	100 pcs.	1000 pcs.
450482	0.5ml	grey	FX Sodium Fluoride / Potassium Oxalate	100 pcs.	1000 pcs.



Capillary Blood Collection System (Accessories)

The blood collection capillary and funnel are used for simplifying blood transfer from the puncture site to the **MiniCollect®** tube. Due to the relative small size of **MiniCollect®** tubes, a special carrier tube was designed. The carrier tubes ensure compatibility of the system with most common centrifuge and laboratory instruments. The new Safety Lancets ensure consistent puncture depth for straightforward safe sample collection.

Item No.	Description	Packaging	
		Inner	Outer
Carrier Tubes			
450419	Carrier Tube, amber colour, 13x75 mm	100 pcs.	1000 pcs.
450420	Carrier Tube, 13x75 mm	100 pcs.	1000 pcs.
Funnels			
450421	Funnel	100 pcs.	1000 pcs.
Capillaries			
450430	Capillary for Serum, 250µl	100 pcs.	1000 pcs.
450431	Capillary for Serum, 80µl	100 pcs.	1000 pcs.
450437	Capillary for NaF, 250µl	100 pcs.	1000 pcs.
450432	Capillary for NaF, 80µl	100 pcs.	1000 pcs.
450433	Capillary for EDTA, 250µl	100 pcs.	1000 pcs.
450434	Capillary for EDTA, 80µl	100 pcs.	1000 pcs.
450435	Capillary for Heparin, 250µl	100 pcs.	1000 pcs.
450436	Capillary for Heparin, 80µl	100 pcs.	1000 pcs.
Safety Lancets Blade (sterile)			
450427	Safety Lancet, pink, penetration depth 1 mm	200 pcs.	2000 pcs.
450428	Safety Lancet, green, penetration depth 1.5 mm	200 pcs.	2000 pcs.
450429	Safety Lancet, blue, penetration depth 2 mm	200 pcs.	2000 pcs.
Safety Lancets Needle (sterile)			
450438	Safety Lancet, lavender, 28G, penetration depth 1.25 mm	200 pcs.	2000 pcs.
450439	Safety Lancet, orange, 23G, penetration depth 2.25 mm	200 pcs.	2000 pcs.

VACUETTE® Automatic and Manual ESR Systems and Accessories



VACUETTE® Automatic ESR System and Accessories	46
Sed Rate Screeners	46
Sed Rate Timer	46
Accessories	46
VACUETTE® Manual ESR System and Accessories	47
ESR Pipette with graduated adapter	47
ESR Racks	47
ESR Tubes	47
4NC ESR sodium citrate 3.2%, PET	47
4NC ESR sodium citrate 3.2%, PP	47

VACUETTE® Automatic and Manual ESR Systems and Accessories

The safe and reliable ESR readers are distinguished by their simple handling. They are fully automated and can be used in the ward, the doctor's office or in a laboratory. The readers work using infrared-sensors, which in contrast to visual methods guarantee improved reproducibility of results.

The erythrocyte sedimentation rate (ESR) is measured in an enclosed system, ensuring that the user does not come into contact with patients' blood. All ESR-readers are equipped with "permanent access". This means that tubes can be inserted into the measuring channels randomly and at any time, since each tube is analysed independently.



Automatic ESR System and Accessories

Three different size models of ESR instruments are offered. Readers with 100 channels are ideal for middle to large laboratories. The 20 and the 10 channel readers were designed for small laboratories or doctors' offices. All **VACUETTE®** ESR instruments operate in accordance to the Westergren method.

Item No.	Description	Packaging	
		Inner	Outer
836580	Sed Rate Screener 100/II (SRS 100/II) automatic ESR reader with integrated printer (for 100 tubes)	1 pc.	1 pc.
836587	Sed Rate Screener 20/II (SRS 20/II) automatic ESR reader with integrated printer (for 20 tubes)	1 pc.	1 pc.
836592	Sed Rate Timer 10/II (SRT 10/II) automatic ESR reader (for 10 tubes)	1 pc.	1 pc.

Accessories

836582	Thermal printer, for SRT 10/II, SRS 20/II and SRS 100/II	1 pc.	1 pc.
836283	Barcode scanner, for SRS 20/II and SRS 100/II	1 pc.	1 pc.
836585	Thermal paper roll for printer (836582) and integrated printers in 836580 & 836587	1 pc.	1 pc.
836588	Control Unit for SRS SRT 10/II, SRS 20/II and 100/II	1 pc.	1 pc.
836577	VACUETTE® Multi-Mixer for VACUETTE® Tubes	1 pc.	1 pc.
836578	Rack for VACUETTE® 20-Pos. Multi-Mixer for 9 mm VACUETTE® Tubes	1 pc.	1 pc.
836579	Rack for VACUETTE® 20-Pos. Multi-Mixer for 13 mm VACUETTE® Tubes	1 pc.	1 pc.



Manual ESR System and Accessories

Two versions of the **VACUETTE®** Manual ESR System are available. The open sedimentation system consists of an ESR Tube made of PET plastic, ESR Pi-pette with graduated adapter and ESR Rack with graduation. The closed system consists of an ESR rack with graduation and a special ESR Plastic Tube with either a 2.75 or 1.5 ml volume.

Item No.	Description	Packaging	
		Inner	Outer
727111	ESR Pipette with adapter, graduated, 200mm, for 454073	200 pcs.	1000 pcs.
836072	ESR Rack without graduation for 454073	1 pc.	5 pcs.
836075	ESR Rack with graduation for 729070	1 pc.	8 pcs.
836077	ESR Rack with graduation for 729073	1 pc.	8 pcs.



ESR Tubes



The erythrocyte sedimentation rate (ESR) can be used as a non-specific search technique for inflammatory reactions and observing their development. **VACUETTE®** ESR tubes are used for determination of the ESR. **NEW:** Polypropylene plastic ESR tube with 1.5ml and 2.75ml fill volume.

Tubes are packed 50 pcs per rack and 800 pcs per carton

Item No.	Nom. Vol.	Cap Colour	Ring Colour	Tube Size	Description	
4NC ESR sodium citrate 3.2%, PET - PREMIUM (Safety Twist Cap)						
454284	1.5ml	black	black	13 x 75	4NC ESR sodium citrate 3.2%, PET	1200 pcs.
454073	2ml	black	black	13 x 75	4NC ESR sodium citrate 3.2%, PET	1200 pcs.
4NC ESR sodium citrate 3.2%, PP (Polypropylene)						
729073	1.5ml	black	---	9 x 120	4NC ESR sodium citrate 3.2%, PP, closed system	800 pcs.
729070	2.75ml	black	---	9 x 120	4NC ESR sodium citrate 3.2%, PP, closed system	800 pcs.

VACUETTE® Urine Collection System



 VACUETTE® Urine Tubes	50
Z Urine No Additive	50
Urine Culture	50
 VACUETTE® Urine Accessories	51
Urine Sets	51
Urine Culture Sets	51
Urine Beakers	51
Urine Containers	51
Urine Transfer Devices	51

VACUETTE® Urine Collection System

Urine, like blood, is a potentially infectious sample material. The **VACUETTE®** Urine System enables a closed, sterile urine collection that in turn will maintain the sample quality and guarantee the efficiency of the testing procedure. Tubes are available with or without preservatives.

The preservative helps stabilise the sample, which is important when the sample cannot be analysed within 2 hours of collection. Tubes can be ordered with either a round base or a conical base. Round-based tubes are used for chemical urine tests, whilst tubes with a conical base are used for microscopic examinations of urine sedimentation.



VACUETTE® Urine Tubes

VACUETTE® Urine Tubes are used as collection, transportation and/or analysis vessels. The **VACUETTE®** Urine Tubes are sterile, leak-proof and virtually unbreakable. They are available as round or conical based. Furthermore, they are offered with or without preservative. Tubes with preservative should be inverted 6-8 times following collection in order to achieve homogenous mixing.

Tubes are packed 50 pcs per rack and 1200 pcs per carton

Item No.	Nom. Vol.	Cap Colour	Ring Colour	Tube Size	Description
Z Urine No Additive - PREMIUM (Safety Twist Cap)					
456707	6ml	yellow	yellow	13 x 100	Z Urine No Additive, Round Base
456007	6.5ml	yellow	yellow	13 x 100	Z Urine No Additive, Round Base
Z Urine No Additive - Non-ridged (pull cap)					
456065	6.5ml	yellow	yellow	13 x 100	Z Urine No Additive, Round Base
455027	6.5ml	yellow	yellow	13 x 100	Z Urine No Additive, Conical Base
455227	7ml	yellow	yellow	16 x 100	Z Urine No Additive, Round Base
455007	10.5ml	yellow	yellow	16 x 100	Z Urine No Additive, Round Base
455028	9.5ml	yellow	yellow	16 x 100	Z Urine No Additive, Conical Base
Urine Culture (boric acid) - Ridged (Twist Cap)					
456009	6.5ml	yellow	black	13 x 100	Urine Culture (boric acid), Round Base
Urine Culture (boric acid) - Non-ridged (pull cap)					
454239	4ml	yellow	black	13 x 75	Urine Culture (boric acid), Round Base
455003	10.5ml	yellow	black	16 x 100	Urine Culture (boric acid), Round Base
455029	9.5ml	yellow	black	16 x 100	Urine Culture (boric acid), Conical Base



VACUETTE® Urine Accessories

The **VACUETTE®** Urine System product line offers **VACUETTE®** Urine Tubes, as-sorted Urine Beakers, Urine Transfer Devices and a 24 hr Urine Collection Container.

Item No.	Name	Nom. Vol.	Description	Packaging	
				Inner	Outer
Urine Sets (Urine Tube + Urine Transfer Device)					
453070	Urine Set (16 x 100)	9.5ml	455028 Urine Tube and 450251 Urine Transfer Device, single-packed	1 set	300 sets
Urine Culture Sets (Urine Culture Tubes)					
453022	Urine Culture Set (13 x 75)	4ml	454239 Urine Culture Tube and 450251 Urine Transfer Device, single-packed	1 set	300 sets
453041	Urine Culture Set (13 x 100)	6.5ml	456009 Urine Culture Tube and 450251 Urine Transfer Device, single-packed	1 set	300 sets
453080	Urine Culture Set (16 x 100)	9.5ml	455029 Urine Culture Tube and 450251 Urine Transfer Device, single-packed	1 set	300 sets
453085	Urine Culture Set (16 x 100)	10.5ml	455003 Urine Culture Tube and 450251 Urine Transfer Device, single-packed	1 set	300 sets
Urine Beakers					
724320	Urine Beaker, yellow lid, with Ring Screw Cap, 100ml, sterile				300 pcs.
724300	Urine Beaker with white Safety Stopper, 100ml, sterile			1 pc.	100 pcs.
724310	Urine Beaker with integrated Transfer Device, 100ml, sterile			1 pc.	200 pcs.
Urine Containers					
724315	24 Hour Urine Collection Container, 2.7 litre, brown				34 pcs.
Urine Transfer Devices					
450251	Urine Transfer Device, with 10cm straw			50 pcs.	600 pcs.
450252	Urine Transfer Device, with 16cm straw			50 pcs.	600 pcs.
450253	Urine Transfer Device, with 10cm straw, sterile			1 pc.	300 pcs.

Greiner Bio-One Saliva Collection and Quantification System



➤ Greiner Bio-One Saliva Collection System	54
GBO Saliva Collection System - Self-testing	54
GBO Saliva Collection System - Professionals	54
➤ Greiner Bio-One Saliva Quantification Kit	55

Greiner Bio-One Saliva Collection and Quantification System

The easy collection method and permanent availability make saliva an interesting alternative to other specimen materials such as urine or blood. Saliva is particularly suitable, if samples are required quickly, efficiently and non-invasively. On the basis of a liquid saliva extraction solution, Greiner Bio-One has developed a collection and quantification system, that is suitable for a broad range of applications, ranging from therapeutic drug monitoring to hormone analytics to drug screening.

The system consists of various components: A mouth rinsing solution (optional), a saliva extraction solution for the collection, a collection beaker and two evacuated tubes for the laboratory tests.



Greiner Bio-One Saliva Collection System - Self-testing

Self-testing means that the test person can do the saliva collection his/herself without the assistance of any medical personnel. The system as well as the corresponding instructions for use is tested and certified for self-testing.

Item No.	Description	Packaging	
		Inner	Outer
	Greiner Bio-One Saliva Collection System - Self-testing		
881011	GBO Saliva Collection System, single pack	---	24 pcs.
881012	GBO Saliva Collection System, 50 pcs. bulk Bulk-packed in a carton. All components are packed in one carton, sufficient for 50 applications.	---	50 pcs.



Greiner Bio-One Saliva Collection System - Professionals

Doctors or medical personnel additionally have the possibility to purchase the following single products to create their own setting for saliva collection.

Item No.	Description	Packaging	
		Inner	Outer
Greiner Bio-One Saliva Collection System - Professionals			
881111	GBO Rinsing Solution 4ml	24 racks	1200 pcs.
881112	GBO Saliva Extraction Solution 4ml	24 racks	1200 pcs.
881210	GBO Saliva Collection Beaker, with integrated transfer unit	1 carton	200 pcs.
881113	GBO Saliva Transfer Tube 3.5ml	24 racks	1200 pcs.



Greiner Bio-One Saliva Quantification Kit

With the Saliva Quantification Kit, the saliva quantity is photometrically determined in the saliva extraction solution. The internal standard in the sample is calculated using saliva calibrators and back calculated to the saliva quantity.

Item No.	Description	Packaging	
		Inner	Outer
Greiner Bio-One Saliva Quantification Kit			
881010	GBO Saliva Quantification Kit (for 40 tests)	---	1 pc.

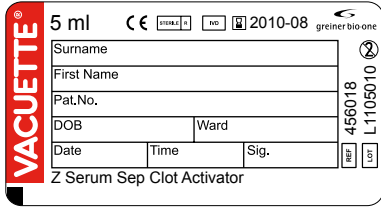
Labelling of VACUETTE® Products

The table below provides an overview of the symbols used on our labelling, with an explanation.

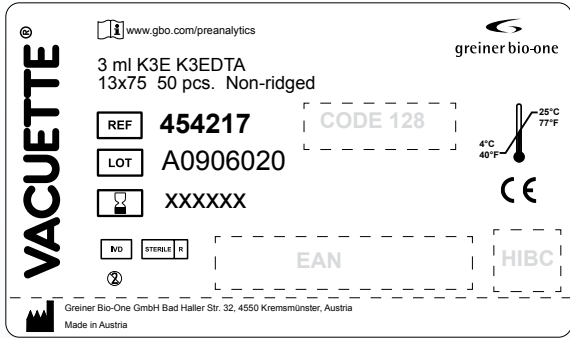
Symbol	Description
	Symbol for "Single Use"
	Symbol for "Expiration Date"
	Symbol for "LOT Number (Batch Code)"
	Symbol for "Reference Number"
	Symbol for "Date of Manufacture"
	Symbol for "Manufacturer"
	Symbol for "Sterilized Using Ethylene Oxide"
	Symbol for "Sterilized Using Irradiation"
	CE Mark
	Symbol for "In Vitro Diagnostic Medical Device"
	Symbol for "Refer to Instructions for Use"
	Symbol for "Temperature Tolerance Range"
	Symbol for "European Authorized Representative"
	Symbol for "Contains Phthalates"

Letter code	Additive
Z	None / Clot Activator
LH	Lithium Heparin
NH	Sodium Heparin
AH	Ammonium Heparin
K2E	EDTA Dipotassium Salt
K3E	EDTA Tripotassium Salt
9NC	Coagulation Trisodium Citrate 9:1
4NC	Coagulation Trisodium Citrate 4:1
FX	Sodium Fluoride / Potassium Oxalate
FE	Sodium Fluoride / EDTA
FH	Sodium Fluoride / Heparin

1 Tube Label



2 Rack Label

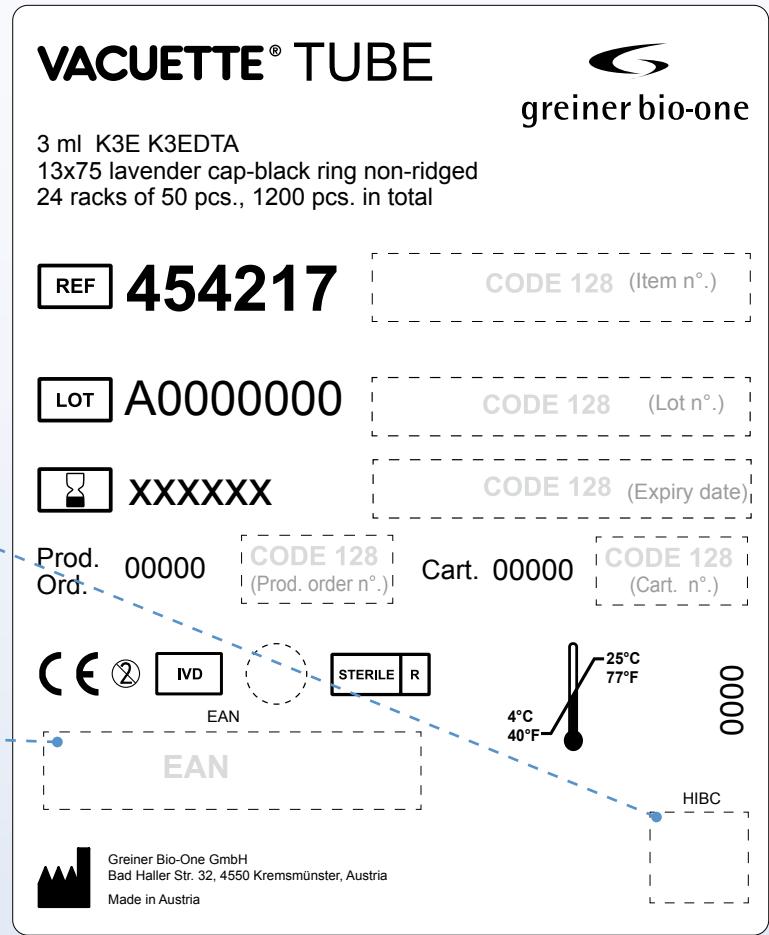


3 Carton Label

Barcodes:
 fast, reliable Information

HIBC Code:
 With just one swipe over this code, the item number, lot number, expiry date and packaging unit can be read – a significant benefit for the logistics chain.

EAN Code:
 This "international article number" gives information on the type of packaging, the origin and the product number.



Products with Highest Demands in Quality

Quality Standards

Product quality is of highest priority for Greiner Bio-One and to be sure of this, a thorough and multi-level quality management system has been developed.

Highly qualified and well-trained employees put the quality standards into practice. High-tech production technology as well as first-rate control and inspection devices ensure the highest quality standards.



Greiner Bio-One is certified according to ISO 9001:2008 and EN ISO 13485:2003-2007.

The products also bear the CE mark.

Furthermore, every item that is produced and/or distributed in the United States is cleared by the F.D.A., the U.S. Food and Drug Administration.



Quality Control

Quality controls and inspections are carried out by the quality control department as well as production personnel in the form of in-process checks. To ensure that these checks are carried out professionally, staff are trained regularly. The process consists of several steps:

- Incoming goods inspections
- In-process production controls
- Laboratory testing
- Sterility controls
- Final product inspections
- Final inspection prior to dispatch



Sterilisation

Sterilisation is carried out according to the latest standard of technology. Accelerated electron rays permeate the packaged products, killing off microorganisms completely. Sterilisation by electron rays is a validated and certified procedure. The process is extremely reliable, does not affect the product and does not leave any residue. To certify that a product has been through the sterilisation process, an orange indicator mark is placed on the label of the outer carton, which will turn red after the sterilisation process has been completed.

Education and Training Material

To support our customers, we have a broad range of education and training material for sample collection with **VACUETTE®** products.

- 1 980132 **MiniCollect®** Skin Puncture Manual
- 2 980056 **VACUETTE®** Hygiene Compendium
- 3 980063 **VACUETTE®** Blood Collection Techniques Booklet
- 4 980102 **VACUETTE®** Handling Recommendations for Blood Collection Booklet
- 5 980124 **VACUETTE®** Safety Brochure
- 6 980183 **VACUETTE®** Preanalytics Manual
- 7 980434 GBO Company Presentation DVD
- 8 980196 **VACUETTE®** Analysis Chart



Available for purchase at:
office@at.gbo.com
or ask your Greiner Bio-One representative.

Production Locations

One of Greiner Bio-One's core competences is innovation. Over the course of the years, the company has become established as leader for knowledge and expertise, consistently building on this reputation. The production techniques are constantly subject to optimisation in cooperation with qualified partner companies, ensuring that Greiner Bio-One remains worldwide technology leader in this segment. Greiner Bio-One products are manufactured at high-tech production facilities to the highest quality standards in six locations on four continents, providing short delivery times all over the world.



The headquarters of Greiner Bio-One International AG are in Kremsmünster, Austria, where **VACUETTE®** blood collection tubes, urine tubes and accessories for specimen collection are manufactured.



Greiner Bio-One North America Inc.

In order to supply the North American market directly, a production location was built in Monroe, North Carolina. Here, more than 100 highly trained employees manufacture **VACUETTE®** products to the usual exceptional standard.



Greiner Bio-One Brazil

For distribution on the South American market, a production facility was built in Americana, Brazil, in 2004 for the manufacture of **VACUETTE®** blood collection tubes.



Greiner Bio-One Kft, Hungary

The third production facility is located in Mosonmagyaróvár, Hungary. Accessories for blood and urine collection are manufactured here.



Greiner Bio-One Thailand Ltd.

Since October 2008 Asia is supplied from our new production location in Amata Nakorn, Thailand.



Greiner Bio-One GmbH, Rainbach

In spring 2009 an extremely modern clean room production facility for **VACUETTE®** safety products was opened in Rainbach, Austria.

Greiner Bio-One Online

On our website you can find additional information on the Preanalytics product groups:



- Venous Blood Collection
- Capillary Blood Collection
- Safety Products
- Blood Collection Accessories
- ESR Instruments
- Urine Collection
- Saliva Collection

The Greiner Bio-One website is just a mouse click away at the following address:

www.gbo.com/preanalytics

Alternatively, visit our Internet based **VACUETTE®** shop, a fully integrated Business-to-Business solution for easier order processing:

<http://b2b.gbo.com>

Disposal

Today the disposal of medical waste is gaining more and more importance in hospitals and laboratories.

VACUETTE® Blood Collection Tubes made from PET plastic can be disposed of in a regular incineration facility, which results in almost wastefree incineration. The residue is reduced to the natural components, carbon, water and oxygen. Via thermal recycling, the energy produced can be utilized beneficially. The energy value of 1kg plastic is equivalent to that of 1 litre fuel oil.



Product Index

Item No.	Description	Chapter	Page
209070	Absorbent Pad for VACUETTE ® Transport Tube (VTT)	Accessories/Medical Devices	38
228270	VACUETTE ® Transport Tube (VTT) for 1 Tube (not assembled with cap)	Accessories/Medical Devices	38
228271	VACUETTE ® Transport Tube (VTT) for 1 Tube incl. Absorbent Pad (not assembled with cap)	Accessories/Medical Devices	38
371516	Snap Cap for recapping 13mm tubes, white	Accessories/Medical Devices	36
371517	Snap Cap for recapping 13mm tubes, green	Accessories/Medical Devices	36
371518	Snap Cap for recapping 13mm tubes, yellow	Accessories/Medical Devices	36
371519	Snap Cap for recapping 13mm tubes, royal blue	Accessories/Medical Devices	36
371522	Snap Cap for recapping 13mm tubes, red	Accessories/Medical Devices	36
371523	Snap Cap for recapping 13mm tubes, lavender	Accessories/Medical Devices	36
371527	Snap Cap for recapping 13mm tubes, pink	Accessories/Medical Devices	36
411072	Hypodermic Luer Needle, yellow, 38x0.9mm, 20G x 1 1/2"	Accessories/Medical Devices	34
411073	Hypodermic Luer Needle, green, 38x0.8mm, 21G x 1 1/2"	Accessories/Medical Devices	34
411074	Hypodermic Luer Needle, black, 38x0.7mm, 22G x 1 1/2"	Accessories/Medical Devices	34
450040	VACUETTE ® VISIO PLUS Needle, green, 38x0.8mm, 21Gx1 1/2"	Accessories/Medical Devices	35
450041	VACUETTE ® VISIO PLUS Needle, black, 38x0.7mm, 22Gx1 1/2"	Accessories/Medical Devices	25/35
450042	VACUETTE ® VISIO PLUS Needle, green, 25x0.8mm, 21Gx1"	Accessories/Medical Devices	35
450043	VACUETTE ® VISIO PLUS Needle, black, 25x0.7mm, 22Gx1"	Accessories/Medical Devices	25/35
450047	VACUETTE ® Multiple Use Drawing Needle, pink, 25x1.25mm, 18Gx1"	Accessories/Medical Devices	34
450048	VACUETTE ® Multiple Use Drawing Needle, pink, 38x1.25mm, 18Gx1 1/2"	Accessories/Medical Devices	34
450059	Blood Collection Set, tubing length: 10cm, 21Gx3/4"	Accessories/Medical Devices	25/33
450064	Blood Collection Set + Luer Adapter, tubing length: 10cm, 21Gx3/4"	Accessories/Medical Devices	25/33
450065	Blood Collection Set + Luer Adapter, tubing length: 30cm, 21Gx3/4"	Accessories/Medical Devices	33
450066	Blood Collection Set + Luer Adapter, tubing length: 19cm, 21Gx3/4"	Accessories/Medical Devices	33
450068	VACUETTE ® Single Sample Needle, pink, 25x1.25mm, 18Gx1"	Accessories/Medical Devices	34
450069	VACUETTE ® Single Sample Needle, pink, 38x1.25mm, 18Gx1 1/2"	Accessories/Medical Devices	34
450070	VACUETTE ® Luer Adapter, 20G	Accessories/Medical Devices	34
450071	VACUETTE ® Multiple Use Drawing Needle, black, 25x0.7mm, 22Gx1"	Accessories/Medical Devices	25/34
450072	VACUETTE ® Multiple Use Drawing Needle, green, 25x0.8mm, 21Gx1"	Accessories/Medical Devices	34
450073	VACUETTE ® Multiple Use Drawing Needle, yellow, 25x0.9mm, 20Gx1"	Accessories/Medical Devices	34
450075	VACUETTE ® Multiple Use Drawing Needle, black, 38x0.7mm, 22Gx1 1/2"	Accessories/Medical Devices	25/34
450076	VACUETTE ® Multiple Use Drawing Needle, green, 38x0.8mm, 21Gx1 1/2"	Accessories/Medical Devices	34
450077	VACUETTE ® Multiple Use Drawing Needle, yellow, 38x0.9mm, 20Gx1 1/2"	Accessories/Medical Devices	34
450080	Safety Blood Collection Set + Holder, tubing length: 30cm, 25Gx3/4"	Safety Products	25/29
450081	Safety Blood Collection Set + Luer Adapter, tubing length: 19cm, 21Gx3/4"	Safety Products	29
450082	Safety Blood Collection Set + Luer Adapter, tubing length: 19cm, 23Gx3/4"	Safety Products	29
450083	Safety Blood Collection Set + Luer Adapter, tubing length: 10cm, 21Gx3/4"	Safety Products	29
450084	Safety Blood Collection Set + Luer Adapter, tubing length: 10cm, 23Gx3/4"	Safety Products	25/29
450085	Safety Blood Collection Set + Holder, tubing length: 19cm, 21Gx3/4"	Safety Products	29
450086	Safety Blood Collection Set + Holder, tubing length: 19cm, 23Gx3/4"	Safety Products	25/29
450087	Safety Blood Collection Set + Holder, tubing length: 10cm, 21Gx3/4"	Safety Products	29
450089	Blood Collection Set + Luer Adapter, tubing length: 19cm, 23Gx3/4"	Accessories/Medical Devices	25/33

Product Index

Item No.	Description	Chapter	Page
450090	Safety Blood Collection-/Infusion Set, tubing length: 19cm, 25Gx3/4"	Safety Products	25/29
450091	Safety Blood Collection/Infusion Set, tubing length: 19cm, 21Gx3/4"	Safety Products	29
450092	Safety Blood Collection/Infusion Set, tubing length: 19cm, 23Gx3/4"	Safety Products	29
450095	Safety Blood Collection Set + Luer Adapter, tubing length: 30cm, 21Gx3/4"	Safety Products	29
450096	Safety Blood Collection Set + Luer Adapter, tubing length: 30cm, 23Gx3/4"	Safety Products	29
450099	Safety Blood Collection Set + Luer Adapter, tubing length: 30cm, 25Gx3/4"	Blood Collection Tubes	25/29
450153	Blood Collection Set, tubing length: 19cm, 21Gx3/4"	Accessories/Medical Devices	33
450155	Blood Collection Set, tubing length: 19cm, 23Gx3/4"	Accessories/Medical Devices	25/33
450159	Blood Collection Set + Luer Adapter, tubing length: 30cm, 23Gx3/4"	Accessories/Medical Devices	33
450181	Blood Culture Holder, non sterile	Safety Products	32
450182	Safety Blood Collection Set + Blood Culture Holder, tubing length: 19cm, 21Gx3/4"	Safety Products	29
450183	Safety Blood Collection Set + Blood Culture Holder, tubing length: 19cm, 23Gx3/4"	Safety Products	29
450184	Safety Blood Collection Set + Blood Culture Holder, tubing length: 30cm, 21Gx3/4"	Safety Products	29
450185	Safety Blood Collection Set + Blood Culture Holder, tubing length: 30cm, 23Gx3/4"	Safety Products	29
450186	Blood Culture Holder + Blood Collection Set, tubing length: 19cm, 21Gx3/4"	Accessories/Medical Devices	33
450201	Standard Tube Holder (short version)	Accessories/Medical Devices	32
450206	VACUETTE ® QUICKSHIELD Complete 22Gx1 1/2"	Safety Products	28
450208	Standard Tube Holder (short version), packed in bulk	Accessories/Medical Devices	32
450209	Standard Tube Holder (short version)	Accessories/Medical Devices	32
450212	Speedy Quick Release Holder	Accessories/Medical Devices	32
450213	Standard Tube Holder (long version)	Accessories/Medical Devices	32
450216	Plastic Cannula HOLDEX®	Accessories/Medical Devices	32
450219	Standard Tube Holder (long version)	Accessories/Medical Devices	32
450225	Blood Transfer Unit PP	Accessories/Medical Devices	32
450226	VACUETTE ® QUICKSHIELD Complete PLUS 22Gx1"	Safety Products	28
450227	Snappy Tube Holder	Accessories/Medical Devices	32
450228	VACUETTE ® QUICKSHIELD Complete PLUS 22Gx1 1/2"	Safety Products	28
450230	VACUETTE ® QUICKSHIELD Safety Tube Holder	Safety Products	28
450234	VACUETTE ® QUICKSHIELD Complete 22Gx1"	Safety Products	28
450235	VACUETTE ® QUICKSHIELD Complete PLUS 21Gx1"	Safety Products	28
450237	VACUETTE ® QUICKSHIELD Complete 21Gx1 1/2"	Safety Products	28
450238	VACUETTE ® QUICKSHIELD Complete 21Gx1"	Safety Products	28
450239	VACUETTE ® QUICKSHIELD Complete PLUS 21Gx1 1/2"	Safety Products	28
450240	VACUETTE ® TIPGUARD Safety Tube Holder	Safety Products	28
450251	Urine Transfer Device with 10cm straw	Urine Collection System	51
450252	Urine Transfer Device with 16cm straw	Urine Collection System	51
450253	Urine Transfer Device with 10cm straw, sterile	Urine Collection System	51
450263	HOLDEX® Single-Use Holder PP	Accessories/Medical Devices	32
450330	Minicompact Sharps Disposal Container, 0.6 Litre	Accessories/Medical Devices	35
450331	Minicompact Sharps Disposal Container, 1.0 Litre	Accessories/Medical Devices	35
450332	Biocompact Sharps Disposal Container, 1.8 Litre	Accessories/Medical Devices	35

Product Index

Item No.	Description	Chapter	Page
450333	Biocompact Sharps Disposal Container, 3.0 Litre	Accessories/Medical Devices	35
450334	Biocompact Sharps Disposal Container, 5.0 Litre	Accessories/Medical Devices	35
450335	Biocompact Sharps Disposal Container, 10 Litre	Accessories/Medical Devices	35
450338	Biogrip Sharps Disposal Container, 30 Litre	Accessories/Medical Devices	35
450339	Biogrip Sharps Disposal Container, 50 Litre	Accessories/Medical Devices	35
450340	Minicompact Table Support, for 0.6L and 1L Minicompact Containers	Accessories/Medical Devices	35
450341	Biocompact Table Support, for 1.8L and 3L Biocompact Containers	Accessories/Medical Devices	35
450342	Minicompact Wall Support, for 1.8L, 3L, 5L and 10L Biocompact Containers	Accessories/Medical Devices	35
450343	Compact Blood Collection Tray, for 0.6L, 1L, 1.8L and 3L Containers	Accessories/Medical Devices	35
450371	Blood Collection Set + Holder, tubing length: 19cm, 21Gx3/4"	Accessories/Medical Devices	33
450373	Blood Collection Set + Holder, tubing length: 19cm, 23Gx3/4"	Accessories/Medical Devices	25/33
450375	Blood Collection Set + Holder, tubing length: 19cm, 25Gx3/4"	Accessories/Medical Devices	25/33
450409	MiniCollect® Tube, 9NC Coagulation 3.8%, 1ml, light blue	Capillary Blood Collection	42
450412	MiniCollect® Tube, Z No Additive, white	Capillary Blood Collection	42
450413	MiniCollect® Tube, 9NC Coagulation 3.2%, 1ml, light blue	Capillary Blood Collection	42
450419	MiniCollect® Carrier Tube, amber colour, 13x75mm	Capillary Blood Collection	43
450420	MiniCollect® Carrier Tube, 13x75mm	Capillary Blood Collection	43
450421	MiniCollect® Funnel	Capillary Blood Collection	43
450427	MiniCollect® Safety Lancet, pink, penetration depth 1mm	Capillary Blood Collection	43
450428	MiniCollect® Safety Lancet, green, penetration depth 1.5mm	Capillary Blood Collection	43
450429	MiniCollect® Safety Lancet, blue, penetration depth 2mm	Capillary Blood Collection	43
450430	MiniCollect® Capillary for Serum, 250µl	Capillary Blood Collection	43
450431	MiniCollect® Capillary for Serum, 80µl	Capillary Blood Collection	43
450432	MiniCollect® Capillary for NaF, 80µl	Capillary Blood Collection	43
450433	MiniCollect® Capillary for EDTA, 250µl	Capillary Blood Collection	43
450434	MiniCollect® Capillary for EDTA, 80µl	Capillary Blood Collection	43
450435	MiniCollect® Capillary for Heparin, 250µl	Capillary Blood Collection	43
450436	MiniCollect® Capillary for Heparin, 80µl	Capillary Blood Collection	43
450437	MiniCollect® Capillary for NaF, 250µl	Capillary Blood Collection	43
450438	MiniCollect® Safety Lancet, lavender, 23G, penetration depth 1.25 mm	Capillary Blood Collection	23
450439	MiniCollect® Safety Lancet, orange, 23G, penetration depth 2.25 mm	Capillary Blood Collection	23
450447	MiniCollect® Tube, 9NC Coagulation 3.2%, 0.5ml, light blue	Capillary Blood Collection	42
450470	MiniCollect® Tube, Z Serum, 1ml, red	Capillary Blood Collection	42
450471	MiniCollect® Tube, Z Serum, 0.5ml, red	Capillary Blood Collection	42
450472	MiniCollect® Tube, Z Serum Sep, 0.8ml, red	Capillary Blood Collection	42
450473	MiniCollect® Tube, Z Serum Sep, 0.5ml, red	Capillary Blood Collection	42
450474	MiniCollect® Tube, K3E K3EDTA, 1ml, lavender	Capillary Blood Collection	42
450475	MiniCollect® Tube, K3E K3EDTA, 0.5ml, lavender	Capillary Blood Collection	42
450476	MiniCollect® Tube, K3E K3EDTA, 0.25ml, lavender	Capillary Blood Collection	42
450477	MiniCollect® Tube, LH Lithium Heparin, 1ml, green	Capillary Blood Collection	42
450478	MiniCollect® Tube, LH Lithium Heparin, 0.5ml, green	Capillary Blood Collection	42

Product Index

Item No.	Description	Chapter	Page
450479	MiniCollect® Tube, LH Lithium Heparin Sep, 0.8ml, green	Capillary Blood Collection	42
450480	MiniCollect® Tube, K2E K2EDTA, 0.5ml, lavender	Capillary Blood Collection	42
450481	MiniCollect® Tube, FX Sodium Fluoride / Potassium Oxalate, 0.25ml, grey	Capillary Blood Collection	42
450482	MiniCollect® Tube, FX Sodium Fluoride / Potassium Oxalate, 0.5ml, grey	Capillary Blood Collection	42
450484	MiniCollect® Tube, K2E K2EDTA, 0.25ml, lavender, transparent label	Capillary Blood Collection	42
453022	Urine Culture Set (13x75), 4ml, 454239+450251, single-packed	Urine Collection System	51
453041	Urine Culture Set (13x100), 6.5ml, 456009+450251, single-packed	Urine Collection System	51
453070	Urine Set (16x100), 9.5ml, 455028+450251, single-packed	Urine Collection System	51
453080	Urine Culture Set (16x100), 9.5ml, 455029+450251, single-packed	Urine Collection System	51
453085	Urine Culture Set (16x100), 10.5ml, 455003+450251, single-packed	Urine Collection System	51
454001	Z No Additive, 4ml, white/black, 13x75, PREMIUM	Blood Collection Tubes	19
454008	LH Lithium Heparin Sep, 4ml, green/yellow, 13x75, Non-ridged	Blood Collection Tubes	17
454020	K2E K2EDTA, 3ml, lavender/black, 13x75, PREMIUM	Blood Collection Tubes	18
454021	K3E K3EDTA, 4ml, lavender/black, 13x75, Non-ridged	Blood Collection Tubes	18
454023	K2E K2EDTA, 4ml, lavender/black, 13x75, PREMIUM	Blood Collection Tubes	18
454024	K2E K2EDTA, 2ml, lavender/white, 13x75, paediatric draw, PREMIUM	Blood Collection Tubes	18/24
454027	Z Serum Clot Activator, 4.5ml, red/black, 13x75, PREMIUM	Blood Collection Tubes	15
454028	Z Serum Sep Clot Activator, 2.5ml, red/yellow, 13x75, paediatric draw, PREMIUM	Blood Collection Tubes	15
454029	LH Lithium Heparin, 4ml, green/black, 13x75, Non-ridged	Blood Collection Tubes	16
454030	NH Sodium Heparin, 4ml, green/black, 13x75, Non-ridged	Blood Collection Tubes	17
454033	FE Sodium Fluoride / K3EDTA, 4ml, grey/black, 13x75, Non-ridged	Blood Collection Tubes	20
454034	K3E K3EDTA, 1ml, lavender/white, 13x75, paediatric draw, PREMIUM	Blood Collection Tubes	18/24
454036	K3E K3EDTA, 4ml, lavender/black, 13x75, PREMIUM	Blood Collection Tubes	18
454039	K3E K3EDTA, 4.5ml, lavender/black, 13x75, PREMIUM	Blood Collection Tubes	18
454045	Z No Additive, 3.5ml, white/black, 13x75, Non-ridged	Blood Collection Tubes	19
454046	LH Lithium Heparin Sep, 2.5ml, green/yellow, 13x75, paediatric draw, PREMIUM	Blood Collection Tubes	17
454047	K2E K2EDTA, 2ml, lavender/white, 13x75, paediatric draw, Non-ridged	Blood Collection Tubes	18/24
454049	LH Lithium Heparin, 4.5ml, green/black, 13x75, PREMIUM	Blood Collection Tubes	16
454051	NH Sodium Heparin, 4ml, green/black, 13x75, PREMIUM	Blood Collection Tubes	17
454052	K2E K2EDTA, 1ml, lavender/white, 13x75, Non-ridged	Blood Collection Tubes	24
454056	LH Lithium Heparin, 4ml, green/black, 13x75, transparent label, Non-ridged	Blood Collection Tubes	16
454059	K2E K2EDTA Sep, 4ml, lavender/yellow, 13x75, Non-ridged	Blood Collection Tubes	17
454061	FX Sodium Fluoride / Potassium Oxalate, 2ml, grey/white, 13x75, paediatr.draw, PREM.	Blood Collection Tubes	20/24
454062	FX Sodium Fluoride / Potassium Oxalate, 4ml, grey/black, 13x75, PREMIUM	Blood Collection Tubes	20
454064	CTAD, 3.5ml, light blue/yellow, 13x75, sandwich tube, PREMIUM	Blood Collection Tubes	14
454067	Z Serum Sep Clot Activator, 4ml, red/yellow, 13x75, Non-ridged	Blood Collection Tubes	16
454069	Z Serum Sep Clot Activator, 4.5ml, red/red, 13x75, Non-ridged	Blood Collection Tubes	15
454071	Z Serum Sep Clot Activator, 4ml, red/yellow, 13x75, PREMIUM	Blood Collection Tubes	15
454073	4NC ESR sodium citrate 3.2%, PET, 2ml, black/black, 13x75, PREMIUM	Blood Collection Tubes	22/47
454078	Z Serum Sep Clot Activator, 4ml, red/yellow, 13x75, transparent label, Non-ridged	Blood Collection Tubes	16
454081	LH Lithium Heparin, 1ml, green/white, 13x75, paediatric draw, PREMIUM	Blood Collection Tubes	24

Product Index

Item No.	Description	Chapter	Page
454082	LH Lithium Heparin, 3ml, green/black, 13x75, PREMIUM	Blood Collection Tubes	16
454083	LH Lithium Heparin Sep, 4ml, green/yellow, 13x75, PREMIUM	Blood Collection Tubes	17
454084	LH Lithium Heparin, 4ml, green/black, 13x75, PREMIUM	Blood Collection Tubes	16
454085	FE Sodium Fluoride / K3EDTA, 2ml, grey/white, 13x75, paediatric draw, PREMIUM	Blood Collection Tubes	20/24
454086	K3E K3EDTA, 3ml, lavender/black, 13x75, PREMIUM	Blood Collection Tubes	18
454087	K3E K3EDTA, 2ml, lavender/white, 13x75, paediatric draw, PREMIUM	Blood Collection Tubes	18/24
454088	Z No Additive, 2ml, white/white, 13x75, paediatric draw, PREMIUM	Blood Collection Tubes	19/24
454089	LH Lithium Heparin, 2ml, green/white, 13x75, paediatric draw, PREMIUM	Blood Collection Tubes	16/24
454090	Z Serum Beads Clot Activator, 4ml, red/red, 13x75, PREMIUM	Blood Collection Tubes	15
454091	FE Sodium Fluoride / K3EDTA, 4ml, grey/black, 13x75, PREMIUM	Blood Collection Tubes	20
454092	Z Serum Clot Activator, 4ml, red/black, 13x75, PREMIUM	Blood Collection Tubes	15
454094	FX Sodium Fluoride / Potassium Oxalate, 3ml, grey/black, 13x75, PREMIUM	Blood Collection Tubes	20
454095	Z Serum Clot Activator, 3ml, red/black, 13x75, PREMIUM	Blood Collection Tubes	15
454096	Z Serum Clot Activator, 2ml, red/white, 13x75, paediatric draw, PREMIUM	Blood Collection Tubes	15/24
454098	Z Serum Clot Activator, 1ml, red/white, 13x75, paediatric draw, PREMIUM	Blood Collection Tubes	15/24
454204	Z Serum Clot Activator, 4ml, red/black, 13x75, Non-ridged	Blood Collection Tubes	15
454209	K2E K2EDTA, 4ml, lavender/black, 13x75, Non-ridged	Blood Collection Tubes	18
454214	Z Serum Sep Clot Activator, 4ml, gold/gold, 13x75, PREMIUM	Blood Collection Tubes	15
454217	K3E K3EDTA, 3ml, lavender/black, 13x75, Non-ridged	Blood Collection Tubes	18
454218	FH Sodium Fluoride / Sodium Heparin, 2ml, grey/white, 13x75, paed.draw, PREMIUM	Blood Collection Tubes	20/24
454221	FE Sodium Fluoride / K3EDTA, 2ml, grey/white, 13x75, paediatric draw, Non-Ridged	Blood Collection Tubes	20/24
454222	K3E K3EDTA, 2ml, lavender/white, 13x75, paediatric draw, Non-ridged	Blood Collection Tubes	18/24
454223	K3E K3EDTA, 4.5ml, lavender/black, 13x75, Non-ridged	Blood Collection Tubes	18
454225	Z Serum Sep Clot Activator, 3.5ml, red/yellow, 13x75, Non-ridged	Blood Collection Tubes	16
454228	Z Serum Sep Clot Activator, 4ml, gold/gold, 13x75, Non-ridged	Blood Collection Tubes	16
454235	K2E K2EDTA Sep, 4ml, lavender/yellow, 13x75, PREMIUM	Blood Collection Tubes	17
454236	Z Serum Clot Activator, 2ml, red/white, 13x75, paediatric draw, Non-ridged	Blood Collection Tubes	15/24
454237	LH Lithium Heparin, 2ml, green/white, 13x75, paediatric draw, Non-ridged	Blood Collection Tubes	16/24
454238	FX Sodium Fluoride / Potassium Oxalate, 2ml, grey/white, 13x75, paed.draw, Non-ridg.	Blood Collection Tubes	20/24
454239	Urine Culture (boric acid), 4ml, yellow/black, 4ml, 13x75, Round Base, Non-ridged	Urine Collection System	50
454241	Z No Additive, 3ml, white/black, 13x75, Non-ridged	Blood Collection Tubes	19
454243	Z Serum Sep Clot Activator, 2.5ml, red/white, 13x75, paediatric draw, Non-ridged	Blood Collection Tubes	16
454244	LH Lithium Heparin, 3ml, green/black, 13x75, Non-ridged	Blood Collection Tubes	16
454246	K2E K2EDTA, 3ml, lavender/black, 13x75, Non-ridged	Blood Collection Tubes	18
454247	LH Lithium Heparin Sep, 3ml, green/yellow, 13x75, Non-ridged	Blood Collection Tubes	17
454274	Z Serum Beads Clot Activator, 4ml, red/red, 13x75, Non-ridged	Blood Collection Tubes	15
454280	CPDA, 4ml, yellow/black, 13x75, Non-ridged	Blood Collection Tubes	21
454284	4NC ESR sodium citrate 3.2%, PET, 1.5ml, black/black, 13x75, PREMIUM	Blood Collection Tubes	22/47
454285	LH Lithium Heparin Sep, 4ml, green/yellow, 13x75, transparent label, Non-ridged	Blood Collection Tubes	17
454287	K3E K3EDTA, 3ml, lavender/black, 13x75, transparent label, Non-ridged	Blood Collection Tubes	18
454297	FX Sodium Fluoride / Potassium Oxalate, 4ml, grey/black, 13x75, Non-ridged	Blood Collection Tubes	20

Product Index

Item No.	Description	Chapter	Page
454298	Z Serum Clot Activator, 4.5ml, red/black, 13x75, Non-ridged	Blood Collection Tubes	15
454320	9NC Coagulation sodium citrate 3.2%, 1ml, light blue/white, 13x75, sandw., paediatr., PREMIUM	Blood Collection Tubes	14/24
454321	9NC Coagulation sodium citrate 3.2%, 2ml, light blue/white, 13x75, sandw., paediatr., PREMIUM	Blood Collection Tubes	14/24
454322	9NC Coagulation sodium citrate 3.2%, 2ml, light blue/white, 13x75, sandw., paediatr., Non-ridged	Blood Collection Tubes	14/24
454325	9NC Coagulation sodium citrate 3.2%, 3ml, light blue/black, 13x75, sandwich tube, PREMIUM	Blood Collection Tubes	14
454327	9NC Coagulation sodium citrate 3.2%, 3.5ml, light blue/black, 13x75, sandwich tube, PREMIUM	Blood Collection Tubes	14
454332	9NC Coagulation sodium citrate 3.2%, 3.5ml, light blue/black, 13x75, sandwich tube, Non-ridged	Blood Collection Tubes	14
454334	9NC Coagulation sodium citrate 3.2%, 3ml, light blue/black, 13x75, sandwich tube, Non-ridged	Blood Collection Tubes	14
454360	9NC Coagulation sodium citrate 3.2%, 2ml, light blue/white, 13x75, sandw., paediatr., transp.label,Non-ridged	Blood Collection Tubes	14/24
454381	9NC Coagulation sodium citrate 3.8%, 2ml, light blue/white, 13x75, sandw., paediatr., PREMIUM	Blood Collection Tubes	14/24
454382	9NC Coagulation sodium citrate 3.8%, 2ml, light blue/white, 13x75, sandw., paediatr., Non-ridged	Blood Collection Tubes	14/24
454385	9NC Coagulation sodium citrate 3.8%, 3ml, light blue/black, 13x75, sandwich tube, PREMIUM	Blood Collection Tubes	14
454387	9NC Coagulation sodium citrate 3.8%, 3.5ml, light blue/black, 13x75, sandwich tube, PREMIUM	Blood Collection Tubes	14
454392	9NC Coagulation sodium citrate 3.8%, 3.5ml, light blue/black, 13x75, sandwich tube, Non-ridged	Blood Collection Tubes	14
454393	9NC Coagulation sodium citrate 3.8%, 3ml, light blue/black, 13x75, sandwich tube, Non-ridged	Blood Collection Tubes	14
454409	K2E K2EDTA, 2ml, lavender/white, 13x75, paediatric draw, transp. label, Non-ridged	Blood Collection Tubes	18/24
454410	K2E K2EDTA, 4ml, lavender/black, 13x75, transparent label, Non-ridged	Blood Collection Tubes	18
454411	K2E K2EDTA, 3ml, lavender/black, 13x75, transparent label, Non-ridged	Blood Collection Tubes	18
454421	Homocysteine Detection Tube, 2ml, white/red, 13x75, PREMIUM	Blood Collection Tubes	23
454425	K3E K3EDTA, 4ml, lavender/black, 13x75, transparent label, Non-ridged	Blood Collection Tubes	18
454430	FH Sodium Fluoride / Sodium Heparin, 2ml, grey/white, 13x75, paed.draw, Non-ridged	Blood Collection Tubes	20/24
454433	Z Serum Clot Activator, 4ml, red/black, 13x75, transparent label, Non-ridged	Blood Collection Tubes	15
454438	FX Sodium Fluoride / Potassium Oxalate, 4ml, grey/black, 13x75, transp.lab. Non-ridged	Blood Collection Tubes	20
454441	CTAD, 3ml, light blue/yellow, 13x75, sandwich tube, transparent label, Non-ridged	Blood Collection Tubes	14
454458	K3E K3EDTA, 2ml, lavender/white, 13x75, Non-ridged, paed. draw, transp. label	Blood Collection Tubes	18
454461	Z Serum Clot Activator, 2ml, red/white, 13x75, paed. draw, transp. label, Non-ridged	Blood Collection Tubes	15
454462	CTAD, 3.5ml, light blue/yellow, 13x75, sandwich tube, transparent label, Non-ridged	Blood Collection Tubes	14
454472	CTAD, 2ml, light blue/yellow, 13x75, sandwich tube, transparent label, Non-ridged	Blood Collection Tubes	14
454474	Z Serum Clot Activator, 3ml, red/black, 13x75, Non-ridged	Blood Collection Tubes	15
455001	Z No Additive, 9ml, white/black, 16x100, Non-ridged	Blood Collection Tubes	19
455003	Urine Culture (boric acid), 10.5ml, yellow/black, 16x100, Round Base, Non-ridged	Urine Collection System	50
455007	Z Urine No Additive, 10.5ml, yellow/yellow, 16x100, Round Base, Non-ridged	Urine Collection System	50
455010	Z Serum Sep Clot Activator, 9ml, red/yellow, 16x100, Non-ridged	Blood Collection Tubes	16
455021	K2E K2EDTA Sep, 8ml, white/yellow, 16x100, Non-ridged	Blood Collection Tubes	17
455027	Z Urine No Additive, 6.5ml, yellow/yellow, 16x100, Conical Base, Non-ridged	Urine Collection System	50
455028	Z Urine No Additive, 9.5ml, yellow/yellow, 16x100, Conical Base, Non-ridged	Urine Collection System	50
455029	Urine Culture (boric acid), 9.5ml, yellow/black, 16x100, Conical Base, Non-ridged	Urine Collection System	50
455031	AH Ammonium Heparin, 9ml, green/red, 16x100, Non-ridged	Blood Collection Tubes	17
455034	Z Serum Sep Clot Activator, 9ml, gold/gold, 16x100, Non-ridged	Blood Collection Tubes	16
455036	K3E K3EDTA, 9ml, lavender/black, 16x100, Non-ridged	Blood Collection Tubes	18
455040	K2E K2EDTA Sep, 8ml, lavender/yellow, 16x100, Non-ridged	Blood Collection Tubes	17

Product Index

Item No.	Description	Chapter	Page
455042	Z Serum Beads Clot Activator, 9ml, red/red, 16x100, Non-ridged	Blood Collection Tubes	15
455045	K2E K2EDTA, 9ml, lavender/black, 16x100, Non-ridged	Blood Collection Tubes	18
455051	NH Sodium Heparin, 9ml, green/black, 16x100, Non-ridged	Blood Collection Tubes	17
455055	ACD-A, 9ml, yellow/black, 16x100, Non-ridged	Blood Collection Tubes	21
455056	CPDA, 9ml, yellow/black, 16x100, Non-ridged	Blood Collection Tubes	21
455059	Z Serum Sep Clot Activator, 9ml, red/yellow, 16x100, Non-ridged, transp. label	Blood Collection Tubes	16
455060	Z Trace Elements Serum Clot Activator, 9ml, royal blue/black, 16x100, Non-ridged	Blood Collection Tubes	22
455071	Z Serum Sep Clot Activator, 8ml, red/yellow, 16x100, Non-ridged	Blood Collection Tubes	16
455083	LH Lithium Heparin Sep, 8ml, green/yellow, 16x100, Non-ridged	Blood Collection Tubes	17
455084	LH Lithium Heparin, 9ml, green/black, 16x100, Non-ridged	Blood Collection Tubes	16
455090	Z Serum Beads Clot Activator, 8ml, red/red, 16x100, Non-ridged	Blood Collection Tubes	15
455092	Z Serum Clot Activator, 9ml, red/black, 16x100, Non-ridged	Blood Collection Tubes	15
455093	Z Crossmatch Serum Clot Activator, 9ml, pink/black, 16x100, Non-ridged	Blood Collection Tubes	23
455094	ACD-B, 9ml, yellow/black, 16x100, Non-ridged	Blood Collection Tubes	21
455099	Z Serum Sep Clot Activator, 7ml, red/yellow, 16x100, Non-ridged	Blood Collection Tubes	16
455221	Z Serum Sep Clot Activator, 8ml, red/yellow, 16x100, Non-ridged, transp. label	Blood Collection Tubes	16
455227	Z Urine No Additive, 7ml, yellow/yellow, 16x100, Round Base, Non-ridged	Urine Collection System	50
456001	Z No Additive, 6ml, white/black, 13x100, PREMIUM	Blood Collection Tubes	19
456007	Z Urine No Additive, 6.5ml, yellow/yellow, 13x100, Round Base, PREMIUM	Urine Collection System	50
456009	Urine Culture (boric acid), 6.5ml, yellow/black, 13x100, Round Base, PREMIUM	Urine Collection System	50
456010	Z Serum Sep Clot Activator, 5ml, gold/gold, 13x100, transparent label, PREMIUM	Blood Collection Tubes	15
456011	K2E K2EDTA Sep, 5ml, lavender/yellow, 13x100, PREMIUM	Blood Collection Tubes	17
456018	Z Serum Sep Clot Activator, 5ml, gold/gold, 13x100, Non-ridged	Blood Collection Tubes	16
456023	K2E K2EDTA, 6ml, lavender/black, 13x100, PREMIUM	Blood Collection Tubes	18
456028	NH Sodium Heparin, 6ml, green/black, 13x100, Non-ridged	Blood Collection Tubes	17
456034	K3E K3EDTA, 5ml, lavender/black, 13x75, PREMIUM	Blood Collection Tubes	18
456036	K3E K3EDTA, 6ml, lavender/black, 13x100, PREMIUM	Blood Collection Tubes	18
456038	K3E K3EDTA, 6ml, lavender/black, 13x100, Non-ridged	Blood Collection Tubes	18
456043	K2E K2EDTA, 6ml, lavender/black, 13x100, Non-ridged	Blood Collection Tubes	18
456048	Z Serum Clot Activator, 6ml, red/black, 13x100, transparent label, Non-ridged	Blood Collection Tubes	15
456051	NH Sodium Heparin, 6ml, green/black, 13x100, PREMIUM	Blood Collection Tubes	17
456052	K3E Crossmatch K3EDTA, 6ml, pink/black, 13x100, Non-ridged	Blood Collection Tubes	23
456053	K3E K3EDTA, 6ml, lavender/black, 13x100, transparent label, Non-ridged	Blood Collection Tubes	18
456055	ACD-A, 6ml, yellow/black, 13x100, PREMIUM	Blood Collection Tubes	21
456056	CPDA, 6ml, yellow/black, 13x100, PREMIUM	Blood Collection Tubes	21
456057	CPDA, 6ml, yellow/black, 13x100, Non-ridged	Blood Collection tubes	21
456058	K2E K2EDTA Sep, 5ml, white/yellow, 13x100, Non-ridged	Blood Collection Tubes	17
456062	FX Sodium Fluoride / Potassium Oxalate, 6ml, grey/black, 13x100, PREMIUM	Blood Collection Tubes	20
456063	Z Serum Beads Clot Activator, 5ml, red/red, 13x100, Non-ridged	Blood Collection Tubes	15
456065	Z Urine No Additive, 6.5ml, yellow/yellow, 13x100, Round Base, Non-ridged	Urine Collection System	50
456069	Z Serum Sep Clot Activator, 5ml, red/yellow, 13x100, transparent label, Non-ridged	Blood Collection Tubes	16

Product Index

Item No.	Description	Chapter	Page
456071	Z Serum Sep Clot Activator, 5ml, red/yellow, 13x100, PREMIUM	Blood Collection Tubes	15
456073	Z Serum Sep Clot Activator, 5ml, red/yellow, 13x100, Non-ridged	Blood Collection Tubes	16
456080	NH Trace Elements Sodium Heparin, 6ml, royal blue/black, 13x100, PREMIUM	Blood Collection Tubes	22
456083	LH Lithium Heparin Sep, 5ml, green/yellow, 13x100, PREMIUM	Blood Collection Tubes	17
456084	LH Lithium Heparin, 6ml, green/black, 13x100, PREMIUM	Blood Collection Tubes	16
456085	Z No Additive, 6ml, white/black, 13x100, Non-ridged	Blood Collection Tubes	19
456087	LH Lithium Heparin Sep, 5ml, green/yellow, 13x100, Non-ridged	Blood Collection Tubes	17
456088	LH Lithium Heparin, 6ml, green/black, 13x100, Non-ridged	Blood Collection Tubes	16
456089	Z Serum Clot Activator, 6ml, red/black, 13x100, Non-ridged	Blood Collection Tubes	15
456092	Z Serum Clot Activator, 6ml, red/black, 13x100, PREMIUM	Blood Collection Tubes	15
456093	K3E Crossmatch K3EDTA, 6ml, pink/black, 13x100, PREMIUM	Blood Collection Tubes	23
456094	ACD-B, 6ml, yellow/black, 13x100, PREMIUM	Blood Collection Tubes	21
456097	Z Crossmatch Serum Clot Activator, 6ml, pink/black, 13x100, Non-ridged	Blood Collection Tubes	23
456202	Z Discard Tube, 5ml, black/red, 13x100, Non-ridged	Blood Collection Tubes	19
456204	ACD-B, 6ml, yellow/black, 13x100, Non-ridged	Blood Collection Tubes	21
456205	K2E K2EDTA Sep, 5ml, white/yellow, 13x100, Non-ridged, transparent label	Blood Collection Tubes	17
456211	K2E K2EDTA Sep, 5ml, white/yellow, 13x100, PREMIUM	Blood Collection Tubes	17
456214	Z Serum Sep Clot Activator, 3.5ml, red/yellow, 13x100, Non-ridged	Blood Collection Tubes	16
456216	LH Lithium Heparin Sep, 5ml, green/yellow, 13x100, transparent label, Non-ridged	Blood Collection Tubes	17
456217	Z Discard Tube, 5ml, white/black, 13x100, Non-ridged	Blood Collection Tubes	19
456234	Z Serum Sep Clot Activator, 5ml, gold/gold, 13x100, transparent label, Non-ridged	Blood Collection Tubes	16
456243	K2E K2EDTA, 6ml, lavender/black, 13x100, transparent label, Non-ridged	Blood Collection Tubes	18
456282	K2E K2EDTA Sep, 5ml, lavender/yellow, 13x100, Non-ridged, transparent label	Blood Collection Tubes	17
456707	Z Urine No Additive, 6ml, yellow/yellow, 13x100, Round Base, PREMIUM	Urine Collection System	50
458710	VACUETTE® ID Snap Ring - Starter Kit (contains all 3 colours)	Accessories/Medical Devices	36
458711	VACUETTE® ID Snap Ring, orange	Accessories/Medical Devices	36
458712	VACUETTE® ID Snap Ring, green	Accessories/Medical Devices	36
458713	VACUETTE® ID Snap Ring, pink	Accessories/Medical Devices	36
458815	VacuDrop	Accessories/Medical Devices	36
459000	Aliquot Tube with clear Safety Screw Cap 13x75, PP, not assembled	Accessories/Medical Devices	36
459001	Aliquot Tube with orange Safety Screw Cap 13x75, PP, not assembled	Accessories/Medical Devices	36
472001	VACUETTE® Transport Box (VTB) incl. Foam Insert for 40 Tubes, incl. HK0190	Accessories/Medical Devices	38
472010	Foam Insert yellow for VACUETTE® Transport Box (VTB) for 40 Tubes	Accessories/Medical Devices	38
472011	GBO Rack for Blood Collection Tubes	Accessories/Medical Devices	38
472015	Absobent Pad for VACUETTE® Transport Box (VTB) for VACUETTE® Transport Container (VTC)	Accessories/Medical Devices	38
472016	Cooler pack for VACUETTE® Transport Box (VTB), light blue L220xB120xH11mm	Accessories/Medical Devices	38
472017	Cooler Pad for VACUETTE® Transport Container (VTC), light blue, Ø 90mm	Accessories/Medical Devices	38
472020	Carrier Bag (Isotherm), small, dark blue, for 1 pc. VTB	Accessories/Medical Devices	39
472022	Carrier Bag (Isotherm), small, dark blue, for 1 pc. VTC	Accessories/Medical Devices	39
472023	Carrier Bag (Isotherm), medium, dark blue, for 3 pcs. VTB	Accessories/Medical Devices	39
472024	Carrier Bag (Isotherm), big, dark blue, for 4 pcs. VTB	Accessories/Medical Devices	39

Product Index

Item No.	Description	Chapter	Page
472040	VACUETTE® Transport Box (VTB) incl. Foam Insert for 40 Tubes, without HK0190	Accessories/Medical Devices	38
472200	ThermoScan without certificate (2x Logger, 1x Reader, 1x Software)	Accessories/Medical Devices	39
472201	ThermoScan with certificate (2x Logger, 1x Reader, 1x Software)	Accessories/Medical Devices	39
472202	Temperature Logger for ThermoScan (without certificate)	Accessories/Medical Devices	39
472203	Temperature Logger for ThermoScan (with certificate)	Accessories/Medical Devices	39
472204	Clips for Temperature Logger, black (spare part)	Accessories/Medical Devices	39
474027	Z Serum Clot Activator, 4.5ml, red/black, 13x75, transparent label, PREMIUM	Blood Collection Tubes	15
474036	K3E K3EDTA, 4ml, lavender/black, 13x75, transparent label PREMIUM	Blood Collection Tubes	18
474064	CTAD, 3.5ml, light blue/yellow, 13x75, sandwich tube, transparent label, PREMIUM	Blood Collection Tubes	14
474065	CTAD, 2ml, light blue/yellow, 13x75, sandwich tube, transparent label, PREMIUM	Blood Collection Tubes	14
474071	Z Serum Sep Clot Activator, 4ml, red/yellow, 13x75, transparent label, PREMIUM	Blood Collection Tubes	15
474083	LH Lithium Heparin Sep, 4ml, green/yellow, 13x75, transparent label, PREMIUM	Blood Collection Tubes	17
474084	LH Lithium Heparin, 4ml, green/black, 13x75, transparent label, PREMIUM	Blood Collection Tubes	16
474086	K3E K3EDTA, 3ml, lavender/black, 13x75, transparent label, PREMIUM	Blood Collection Tubes	18
474087	K3E K3EDTA, 2ml, lavender/white, 13x75, transparent label, paed. draw, PREMIUM	Blood Collection Tubes	18/24
474092	Z Serum Clot Activator, 4ml, red/black, 13x75, transparent label, PREMIUM	Blood Collection Tubes	15
474214	Z Serum Sep Clot Activator, 4ml, gold/gold, 13x75, transparent label, PREMIUM	Blood Collection Tubes	15
474304	CTAD, 3ml, light blue/yellow, 13x75, sandwich tube, transp. label, paed., PREMIUM	Blood Collection Tubes	14
474321	9NC Coagulation sodium citrate 3.2%, 2ml, light blue/white, 13x75, transp.label PREMIUM	Blood Collection Tubes	14/24
474327	9NC Coagulation sodium citrate 3.2%, 3.5ml, light blue/black, 13x75, transp.label PREMIUM	Blood Collection Tubes	14
476010	Z Serum Sep Clot Activator, 5ml, gold/gold, 13x100, transparent label, PREMIUM	Blood Collection Tubes	15
476071	Z Serum Sep Clot Activator, 5ml, red/yellow, 13x100, transparent label, PREMIUM	Blood Collection Tubes	15
476083	LH Lithium Heparin Sep, 5ml, green/yellow, 13x100, transparent label, PREMIUM	Blood Collection Tubes	17
476084	LH Lithium Heparin, 6ml, green/black, 13x100, transparent label, PREMIUM	Blood Collection Tubes	16
476092	Z Serum Clot Activator, 6ml, red/black, 13x100, transparent label, PREMIUM	Blood Collection Tubes	15
724300	Urine Beaker with Safety Stopper, 100ml, sterile	Urine Collection System	51
724310	Urine Beaker with integrated Transfer Device, 100ml, sterile	Urine Collection System	51
724315	24 Hour Urine Collection Container, 2.7 litre, brown	Urine Collection System	51
724320	Urine Beaker, yellow lid, with Ring Screw Cap, 100ml, sterile	Urine Collection System	51
727111	ESR Pipette with adapter graduated, 200mm, für 454073	Manual ESR System	47
729070	4NC ESR sodium citrate 3.2%, PP, 2.75ml, black, 9x120, closed system	Blood Collection Tubes	22/47
729073	4NC ESR sodium citrate 3.2%, PP, 1.5ml, black, 9x120, closed system	Blood Collection Tubes	22/47
800101	Foam Insert for VACUETTE® Transport Container (VTC) for 12 Tubes	Accessories/Medical Devices	38
800105	VACUETTE® Transport Container (VTC) incl. Foam Inserts for 12 Tubes, incl. HK0259	Accessories/Medical Devices	38
800110	VACUETTE® Transport Container (VTC) incl. Foam Inserts for 12 Tubes, incl. HK0259	Accessories/Medical Devices	38
836072	ESR Rack without graduation for 454073	Manual ESR System	47
836075	ESR Rack with graduation for 729090	Manual ESR System	47
836077	ESR Rack with graduation for 729093	Manual ESR System	47
836283	Barcode scanner, for SRS 100/II and SRS 20/II	Automatic ESR System	46
836577	VACUETTE® Multi-Mixer for VACUETTE® Tubes	Automatic ESR System	46
836578	Rack for VACUETTE® 40-Pos. Multi-Mixer for 9mm VACUETTE® Tubes	Automatic ESR System	46

Product Index

Item No.	Description	Chapter	Page
836579	Rack for VACUETTE® 40-Pos. Multi-Mixer for 13mm VACUETTE® Tubes	Automatic ESR System	46
836580	Sed Rate Screener 100/II (SRS 100/II) w. integrated printer (for 100 tubes)	Automatic ESR System	46
836582	Thermal printer, for SRT 10/II, SRS 20/II and SRS 100/II	Automatic ESR System	46
836585	Thermal paper roll for printer (836582) and integrated printers in 836580 & 836587	Automatic ESR System	46
836586	Sed Rate Mixer (SRM) for 9mm	Automatic ESR System	46
836587	Sed Rate Screener 20/II (SRS 20/II) w. integrated printer (for 20 tubes)	Automatic ESR System	46
836588	Control Unit for SRS 100/II, SRS 20/II and SRT 10/II	Automatic ESR System	46
836592	Sed Rate Timer 10/II (SRT 10/II) (for 10 tubes)	Automatic ESR System	46
836596	Sed Rate Mixer (SRM) for 9mm/13mm	Automatic ESR System	46
836597	Sed Rate Mixer (SRM) for 13mm	Automatic ESR System	46
840050	VACUETTE® Tourniquet, latex free	Accessories/Medical Devices	36
840051	VACUETTE® Tourniquet for children, latex free	Accessories/Medical Devices	25/36
840053	VACUETTE® Disposable Tourniquet, latex free	Accessories/Medical Devices	36
840054	SAINT Disposable Tourniquet, latex free	Accessories/Medical Devices	36
855900	VACUETTE® UNICAP Decapper for Roche / Hitachi Racks	Accessories/Medical Devices	37
855901	VACUETTE® UNICAP Decapper for Tecan Racks	Accessories/Medical Devices	37
855902	VACUETTE® UNICAP Decapper for Bayer Advia Racks	Accessories/Medical Devices	37
855903	VACUETTE® UNICAP Decapper for Olympus Racks	Accessories/Medical Devices	37
855904	VACUETTE® UNICAP Decapper (with belt adapter for insertion of tubes)	Accessories/Medical Devices	37
855905	VACUETTE® UNICAP Decapper for Sysmex / Iris / Menarini	Accessories/Medical Devices	37
855907	VACUETTE® UNICAP Belt Adapter 100mm	Accessories/Medical Devices	37
855908	VACUETTE® UNICAP Belt Adapter 75mm	Accessories/Medical Devices	37
881010	GBO Saliva Quantification Kit	Saliva Collection System	55
881011	GBO Saliva Collection System, single packed	Saliva Collection System	54
881012	GBO Saliva Collection System, 50 pcs. bulk	Saliva Collection System	54
881111	GBO Rinsing Solution 6ml	Saliva Collection System	54
881112	GBO Saliva Extraction Solution 4ml	Saliva Collection System	54
881115	GBO Saliva Transfer Tube (4) 3.5ml	Saliva Collection System	54
881116	GBO Saliva Transfer Tube (5) 3.5ml	Saliva Collection System	54
881211	GBO Saliva Collection Beaker, with integrated transfer unit	Saliva Collection System	54
HE4723	Label "UN 3373"	Accessories/Medical Devices	39
HK0190	Transport carton for 1pc. VACUETTE® Transport Box (VTB)	Accessories/Medical Devices	38
HK0259	Transport carton for 1pc. VACUETTE® Transport Container (VTC)	Accessories/Medical Devices	38

Your **Power** for Health


greiner bio-one



For further information, please visit our website www.gbo.com/preanalytics or contact us:

Austria (Main Office)

Greiner Bio-One GmbH
Phone (+43) 75 83 67 91-0
Fax (+43) 75 83 63 18
E-Mail office@at.gbo.com

France

Greiner Bio-One SAS
Phone (+33) 1 69 86 25 50
Fax (+33) 1 69 86 25 36
E-Mail office@fr.gbo.com

Netherlands

Greiner Bio-One B.V.
Phone (+31) 1 72 42 09 00
Fax (+31) 1 72 44 38 01
E-Mail info@nl.gbo.com

Thailand

Greiner Bio-One Thailand Ltd
Phone (+66) 3 84 65 63-30
Fax (+66) 3 84 65 63-6
E-Mail office@th.gbo.com

Brazil

Greiner Bio-One Brasil
Phone (+55) 19 34 68 96 00
Fax (+55) 19 34 68 96 21
E-Mail office@br.gbo.com

Germany

Greiner Bio-One GmbH
Phone (+49) 2 01 861 86-0
Fax (+49) 2 01 861 86-12
E-Mail office@de.gbo.com

Spain

VACUETTE Espana S.A.
Phone (+34) 91 652 77 07
Fax (+34) 91 652 33 35
E-Mail info@vacuette.es

UK

Greiner Bio-One Ltd.
Phone (+44) 14 53 82 52 55
Fax (+44) 14 53 82 62 66
E-Mail info@uk.gbo.com

Egypt

Greiner Bio-One Middle East
Phone (+20) 26 21 87 06
Fax (+20) 26 21 87 08
E-Mail hisham.ouda@gbo.com

Hungary

Greiner Bio-One Hungary Kft.
Phone (+36) 96 21 30 88
Fax (+36) 96 21 31 98
E-Mail office@hu.gbo.com

Switzerland

Greiner Bio-One VACUETTE
Schweiz GmbH
Phone (+41) 7 12 28 55 22
Fax (+41) 7 12 28 55 21
E-Mail office@ch.gbo.com

USA

Greiner Bio-One North America Inc.
Phone (+1) 70 42 61 78 00
Fax (+1) 70 42 61 78 99
E-Mail info@us.gbo.com