



# Product Catalogue



**BD**

Helping all people  
live healthy lives

**BD Diagnostics** - Preanalytical Systems

BD, proud to sponsor  
**specimen**care.com



An online resource to identify, evaluate and promote the application of best practices in all aspects of the preanalytical phase of laboratory testing in clinical medicine.

A preanalytical resource centre sponsored by  **BD**

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## Products

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# The BD Vacutainer® System

The BD Vacutainer® Blood Collection System is a closed evacuated system, which consists of a sterile double-ended needle with safety valve, BD Vacutainer® One-Use holder and a sterile BD Vacutainer® Evacuated Blood Collection Tube with predetermined draw. The majority of BD Vacutainer® Blood Collection Tubes are made of clear latex-free PET (Polyethylene Terephthalate) which is shatter-resistant and offers a clinically tested, safer alternative to glass.\*

\*Plastic blood tubes improve safety. Wayman DJ. Plastics News, June 6, 1994:52

- 1 Multi-sample BD Eclipse™ safety needle with safety shield
- 2 Safety valve for multi-sampling
- 3 BD Vacutainer® One-Use Holder
- 4 BD Hemogard™ Safety Closure
- 5 Sterile BD Vacutainer® Evacuated Blood Collection Tube



Visually check the sterility seal on the needle. Twist and remove white cap



Screw holder securely onto needle



Rotate pink safety shield back toward holder. Twist green needle cap and pull off



Perform venipuncture according to procedures



After removal, immediately cover needle by pushing pink safety shield forward with thumb



Dispose of needle and holder as one unit into nearest sharps container

# BD Vacutainer® Tube Information



## BD Hemogard™

BD Vacutainer® Blood Collection Tubes incorporate the latex-free BD Hemogard™ closure<sup>1</sup>, which has two parts: an inner stopper and an outer protective cap. The BD Hemogard™ closure protects the user from contact with patients' blood and is easier to remove than conventional stoppers<sup>2</sup>, and The BD Hemogard™ closure may also be removed using an automated system.

BD Vacutainer® Blood Collection Tubes can be recapped using secondary over-caps.

## BD Microgard™

The BD Microgard™ closure helps protect the healthcare worker from exposure to potentially infected blood with the "twist assist" cap which reduces the risk of splatter upon removal of the cap.

## Tube Dimensions

BD Vacutainer® tubes come in three main sizes, each with a range of different draw volumes.

Other sizes are available and the offering varies from tube to tube. For details of tube sizes per additive please refer to the relevant tube section.

### 13mm x 75mm

Shown actual size



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

### 13mm x 100mm

Shown actual size



4mL  
4.5mL  
5mL  
6mL  
7mL

### 16mm x 100mm

Shown actual size



6mL  
8mL  
8.5mL  
9.5mL  
10mL

1. 1990 Winner of the Industrial Designers Society of Americas "Socially Responsible Design" Award  
2. VSS713- A comparative Evaluation of the 16mm BD Hemogard™ Closures with Respect to User Exposure to Blood and Cap Removal and Reinsertion Forces. 09/99

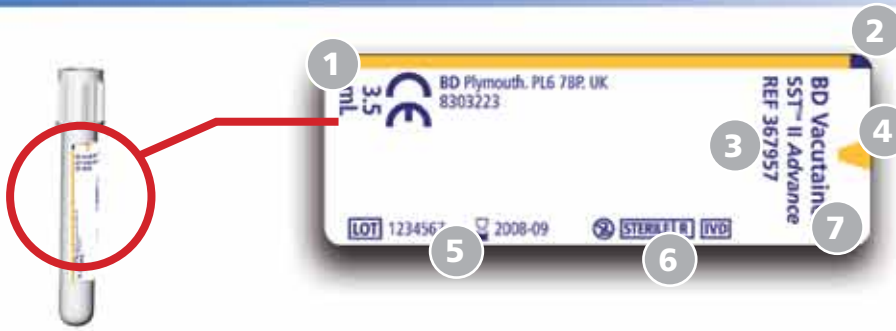


# BD Vacutainer® Tube Handling Guide

ORDER OF DRAW <sup>1</sup>	COLOUR	TUBE TYPE	NUMBER OF INVERSIONS	MINIMUM CLOTTING TIME	CENTRIFUGATION CONDITIONS
Discard Tube (if using wingset)		EST or glass "no additive" serum tube	N/A	N/A	N/A
Blood Culture		Aerobic Blood Cultures Bottles	N/A	N/A	N/A
		Anaerobic Blood Cultures Bottles	N/A	N/A	N/A
Citrate		PET Sodium Citrate	3-4	N/A	2000-2500 x g (RCF) for 10-15 mins at 25°C <sup>1</sup>
		Glass Sodium Citrate & CTAD	3-4	N/A	1500 x g (RCF) for 15 mins at 25°C <sup>1</sup>
		Sodium Citrate ESR	8-10	N/A	N/A
		ACD	8-10	N/A	N/A
Serum		Serum non gel with silica. Note: If using glass "No additive" serum tube, please take before citrate	5-6	60 mins	≤1300 x g (RCF) for 10 mins at 25°C <sup>2</sup>
		BD SST™ II Advance (BD Serum Separator Tube)	5-6	30 mins	1300-2000 x g (RCF) for 10 mins at 25°C
		BD RST (BD Rapid Serum Tube)	5-6	5 mins	1500-2000 x g (RCF) for 10 mins at 23-27°C <sup>3</sup>
Heparin		Lithium & Sodium Heparin	8-10	N/A	≤1300 x g (RCF) for 10 mins at 25°C
		BD PST™ II (BD Plasma Separator Tube)	8-10	N/A	1300-2000 x g (RCF) for 10 mins at 25°C
Haematology		EDTA	8-10	N/A	N/A
		Crossmatch Note: If using Serum Crossmatch tube with clot activator please collect after serum tubes	8-10	N/A	N/A
PPT		BD PPT™ EDTA gel tube (BD Plasma Preparation Tube)	8-10	N/A	1100-1500 x g (RCF) for 10 mins at 25°C
Glucose		NAF Na2EDTA	8-10	N/A	≤1300 x g (RCF) for 10 mins at 25°C
Trace Element		Trace Element Note: If using Serum Trace element tube with clot activator please collect after serum tubes	8-10	N/A	≤1300 x g (RCF) for 10 mins at 25°C
Proteomics/ Molecular Tubes		BD CPT™ (BD Cell Preparation Tube)	8-10	N/A	1500-1800 x g (RCF) for 15-20 mins at 25°C
		BD™ P700	8-10	N/A	1100-1300 x g (RCF) for 10 minutes
		BD™ P800	8-10	N/A	1100-1300 x g (RCF) for 10 and 20 minutes respectively for the 2.0 and 8.5 mL tubes
		BD™ P100	8-10	N/A	2000-3000 x g (RCF) for 5 minutes
		PAXgene™	8-10	N/A	10 minutes at 3000–5000 x g (RCF)

1. Citrate tubes should be centrifuged at a speed and time to consistently produce platelet-poor plasma (platelet count <10,000/μL per CLSI guideline)
2. Stand for 60 minutes before reading
3. Other centrifugation conditions may be utilized

## Tube



- 1 Draw volume
- 2 Fill line indicator
- 3 BD catalogue reference number
- 4 BD Vacutainer® Notch Label - visual guide for proper placement of secondary labelling
- 5 Product expiration date and lot number
- 6 Symbol for sterilisation
- 7 Tube type & additive concentration (if applicable)

Other tube labels are available, please refer to tube sections in this catalogue.



### Paper Label

The standard label providing a free text space for writing patient ID & sample information.



### Block Label

A formatted paper label with defined areas for writing specific patient ID & sample information.



### See Through Label

Product specifications are sprayed directly onto the tube with no provision for hand written information. This system reduces the risk of tubes getting stuck in sample racks when multiple layers of inhouse patient identifier labels are subsequently applied to the tube.



### Mylar Label

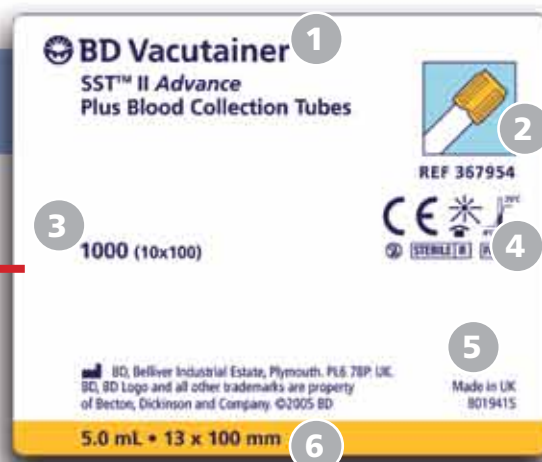
In the same format as a paper label but with the additional benefit of being see through to allow greater visibility of sample.

## Shelf Pack



- 1 Tube type and additive concentration (if applicable)
- 2 Pictorial instructions for use
- 3 BD catalogue reference number
- 4 Shelf pack quantity
- 5 Product expiration date and lot number
- 6 Relevant symbols
- 7 Country of origin
- 8 Draw volume and tube size

## Case



- 1 Tube type and additive concentration (if applicable)
- 2 BD catalogue reference number
- 3 Case quantity
- 4 Relevant symbols
- 5 Country of origin
- 6 Draw volume and tube size

# Product Symbols



The CE mark, signifying compliance with the European IVD MD Directive, 98/79/EC



Catalogue or re-order number



Lot number or batch number



Use by, expires or best before



Use once or do not reuse



Sterilised by moist heat



Sterilised by irradiation



Read instruction leaflet before use



Sterilised by Ethylene Oxide gas



Protect from sunlight (may show temperature range)



Protect from any light source



Fragile



Storage temperature range



This way up



Recycle



Date of manufacture



Serial number



In Vitro Diagnostic Medical Device

**K2E**

EDTA - Dipotassium salt

**K3E**

EDTA - tripotassium salt

**N2E**

EDTA - disodium salt

**9NC**

Trisodium citrate 9:1

**4NC**

Trisodium citrate 4:1

**FE**

Fluoride/EDTA

**LH**

Lithium Heparin

**NH**

Sodium Heparin

**Z**

None (no additive)

**SST™ II Advance**

Silica (clot activator)/Gel

**CTAD**

Buffered Citrate 0.109M

**RST**

Thrombin based medical clotting agent/Gel

**ACD-A**

ACD Solution A

**ACD-B**

ACD Solution B

**LH PST™ II**

Lithium Heparin Gel

**NC Ficoll**

Sodium Citrate/Ficoll

**NH Ficoll**

Sodium Heparin/Ficoll



## Product Compliance

**BD Vacutainer®** Blood Collection Tubes and ancillary equipment are (non Annex II) In Vitro Diagnostic Medical Devices. These comply with the requirements described in the European In Vitro Diagnostic Medical Device Directive 98/79/EC.

**BD Precision Glide™** Blood Collection Needles, **BD Vacutainer®** Blood Collection Sets, **BD Microlance™ Lancets** and **Critical Care Syringes** with needles are (class IIa) Medical Devices and as such, comply with the requirements of the European Medical Device Directive, 93/42/EEC.

All product unit labels ( and most packaging levels ) carry the CE mark, signifying conformity to the above Directives. Transportation boxes and accessories are not In Vitro Diagnostic Medical Devices and as such, are not required to comply with the above directives.

The UK manufacturing plant, which supplies most European product, is certificated to ISO 13485:2003 and ISO 14001:2004. As a supplier to the US market the plant is also subject to FDA inspection and therefore holds an FDA establishment registration certificate. Copies of all these certificates can be provided upon request.

Other BD manufacturing plants carry similar certification, which can also be provided upon request.

All products are designed and manufactured in accordance with the relevant international and or European standards. This includes but is not limited to ISO 6710, EN14820 (for blood collection tubes), ISO 6009 (for blood collection needles), EN 980 (for symbols used on product labelling).

The product shelf life is based on data from stability testing and varies from product to product. All expiry dates are clearly printed on product unit labels, and are valid until the end of the month specified.

## Clinical Data

Prior to launching a new product BD conducts extensive performance evaluation and data can be provided upon request.

## Product sterilisation

All products are sterilised using either gamma irradiation in accordance with ANSI/AAM/ ISO 11137 - 1995 "Sterilisation of Health Care Products (Requirements for Validation and Routine Control - Radiation Sterilisation)", Ethylene Oxide (EtO) in accordance with ISO 11135 - 1994 "Validation and Routine Control of Ethylene Oxide Sterilisation" or Moist Heat Sterilisation in accordance with EN554 : 1994 "Sterilisation of Medical Devices - Validation and Routine Control of Sterilisation by Moist Heat". Microbiological environmental assessment for bio-burden levels is conducted regularly.

All BD Vacutainer® IVD's and Medical Devices are sterilised to an SAL (Sterility Assurance Level) of  $10^{-6}$ , in accordance with **EN 556 : 1995** - Requirement for terminally sterilised devices to be labelled "STERILE".

## BD and the Environment

Responsible corporate citizenship is integrally tied to our global business strategy – and to our purpose of "Helping all people live healthy lives."

Recognizing that human health and a healthy environment are inseparable, BD is committed to responsible environmental stewardship in our business conduct. We are dedicated to the design, manufacture and distribution of safe, effective medical technology products while minimizing environmental impacts. We strive to conserve energy, water, and natural resources and to minimize the amount of waste from our manufacturing and administrative operations. We promote recycling and resource recovery in our manufacturing operations. BD collects and reports environmental data on a calendar year basis and a BD Sustainability report is available on request.

Technical Information Sheets (TIS) for each tube are available on request.



British Standards Institution (BSI) - Certificate of Registration - Compliance with ISO 13485 : 2003



BSI - Environmental Management System - Certificate of Registration- Compliance with ISO 14001 : 2004



BSI - EC Certificate CE00362 (effective November 2009)



## BD Laboratory Consulting Services<sup>SM</sup>

### *Quality that Counts*

For over 60 years BD has been the leading provider of solutions designed to improve the quality of in vitro diagnostic testing. Our innovative sample collection products help provide greater safety, accuracy and dependability. But we're not just about products. BD has a wealth of experience built on innovation, quality and preanalytical expertise and have developed three new services marketed under BD Laboratory Consulting Services<sup>SM</sup>. These customised programmes are designed to help you manage your budgets more efficiently whilst improving quality to deliver the best patient outcomes.

#### **Preanalytical Cost of Poor Quality**

This unique new service was researched and developed in conjunction with Frost & Sullivan (Global Financial Consultants). It helps you to quantify the cost of poor quality in your hospital by analysing the economic impact of a specimen rejection on patient treatment and hospital operating costs.

#### **Preanalytical Review**

This service is designed to help identify where the impact of poor specimen quality is occurring in your hospital. It uses standardised and validated methods for quantitative assessment of the procedure between patient and lab analysis. Results can be measured and objectively assessed.

#### **Preanalytical Best Practices Training**

This comprehensive Training & Education Service delivers solutions to help you improve practice and specimen quality in your hospital. It is a Train the Trainer education program that supports best practices in the Preanalytical phase of blood collection & sampling.

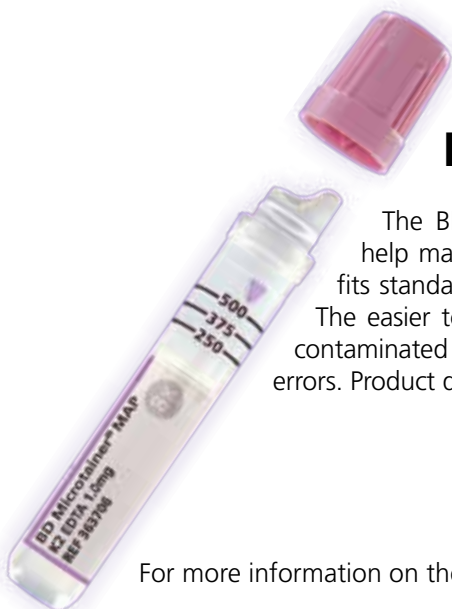
## BD T&T<sup>®</sup> System

BD Preanalytical Systems can provide innovative, validated and integrated transport solutions which comply with normalization (P650 and ADR for dangerous goods transportation) and fit any type of diagnostic biological sample. BD Transport System and BD T&T System have been designed to preserve the specimen's quality during transport, to monitor, validate, and record transport conditions, and to ensure safety for all involved workers in full compliance with EN ISO 15.189:2007 standard requirements. A list of major products can be found on pages 36-41.



## BD Microtainer<sup>®</sup> MAP (Microtube for Automated Processing)

The BD Microtainer<sup>®</sup> MAP is the first one-piece, instrument-compatible microtube designed to help maintain focus on patient suitability. Its innovative design can help improve workflow because it fits standard instrument racks and is compatible with the most commonly used instrument platforms. The easier to handle one-piece 13 x 75mm tube eliminates the need for assembly or discard of extra contaminated parts, and a full size, standard label with V-Notch<sup>™</sup> feature to help avoid potential labelling errors. Product details and code are on page 29.



For more information on these products and services, please contact your BD representative.



## **Tubes (pages 12-21)**

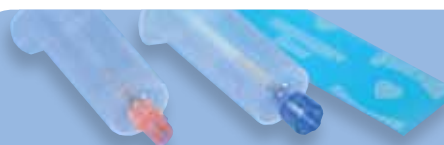
BD Diagnostics - Preanalytical Systems is an industry pioneer and leader in evacuated blood collection systems. BD Vacutainer® Blood Collection tubes comply with the ISO 6510 directive and international standards CLSI H1-A5 Vol.23 Nr. 33 for identifying additives. To allow for various laboratory processes, BD also offer different stopper colour alternatives - for a complete list of alternative colours, see page 46.



## **Needles (pages 22-25)**

BD is the leading supplier of safety-engineered products for evacuated blood collection. The range includes the BD Vacutainer® Safety-Lok™ Blood Collection Set and the BD Vacutainer® Push Button Blood Collection Set, the only blood collection system with push button technology designed to effectively reduce needlestick injuries.

Within the BD Vacutainer® range, BD also offers a comprehensive range of blood collection needles in a variety of gauges and lengths, including the BD Vacutainer® Eclipse™ Safety Needle.



## **Accessories (pages 26-27)**

To complement BD Vacutainer® tubes and needles, BD offers a broad range of accessory products, including holders, adapters and tourniquets allowing safe and easy sample collection.



## **Lancets (page 28)**

BD supplies a range of safety-engineered lancets for capillary collection, offering comfort in use and a consistent puncture depth. The BD Microtainer® Contact-Activated Lancet with an ergonomic design and the BD Quikheel™ Safety Incision

Device, designed for heelsticking in premature infants, newborns and babies.



## **Paediatric and Geriatric Tubes (pages 29-31)**

BD Microtainer® Blood Collection Tubes are designed for ease of use, and help to ensure that a quality capillary blood sample is collected. Available for haematology and chemistry applications, BD Microtainer® tubes have visible fill lines and are colour coded to match the range of evacuated BD Vacutainer® Blood Collection tubes, making them easy to identify.



## **Critical Care (pages 32-33)**

BD Critical Care Syringes can be used to for both arterial blood gas tests and other critical care tests and are designed to minimise preanalytical variability in sample collection, handling and transportation. The syringes contain dry calcium-balanced lithium heparin to provide more accurate results and minimise clotting in the sample.



## **Urine Products (pages 34-35)**

BD urine products provide a standard closed system for the collection and transportation of urine samples. The system provides safety both to the patient and the health care worker whilst preserving the integrity of the urine sample and offers a simple and standardised means of collecting and preparing a urine specimen for diagnostic testing.





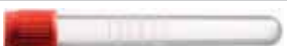



## **Transportation and T&T (pages 36-41)**

BD T&T® System products and accessories are available in a variety of shapes, sizes and configurations, designed to transport BD Vacutainer® and Microtainer® tubes and specimens safely and in compliance with European regulations. The BD T&T® system allows accurate monitoring of time and temperature during internal and external transportation of specimens.





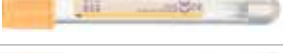
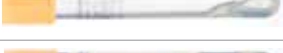
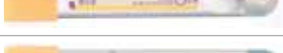

### BD Vacutainer® Serum Tubes

- Single use, evacuated sterile blood collection tube
- Contains a spray-dried clot activator
- Used to obtain a serum sample
- Pack/Case Quantity: 100/1000
- Centrifugation:  $\leq 1300 \times g$  (RCF) for 10 mins at 25°C

	<i>Cat. No.</i>	<i>Draw (ml)</i>	<i>Size (mm)</i>	<i>Additive</i>	<i>Material</i>	<i>Label</i>	<i>Closure</i>	<i>Cap Colour</i>
	368492	2	13x75	Clot Activator	PET	Paper	Hemogard™	Translucent Red
	368271	2	13x75	Clot Activator	PET	See Through	Hemogard™	Translucent Red
	369032	4	13x75	Clot Activator	PET	Paper	Hemogard™	Red
	365904	4	13x75	Clot Activator	PET	See Through	Hemogard™	Red
	368815	6	13x100	Clot Activator	PET	Paper	Hemogard™	Red
	367819	6	13x100	Clot Activator	PET	See Through	Hemogard™	Red
	367896	10	16x100	Clot Activator	PET	Paper	Hemogard™	Red

**BD Vacutainer® Serum Separator Tubes (BD Vacutainer® SST™ II Advance)**


- Single use, evacuated sterile blood collection tube
- Contains a acrylic based gel and a spray-dried clot activator coating
- Used to obtain and separate a serum sample
- Pack/Case Quantity: 100/1000
- Centrifugation: 1300-2000 x g (RCF) for 10 mins at 25°C

	Cat. No.	Draw (ml)	Size (mm)	Thrombin-based clot activator	Material	Label	Closure	Cap Colour
	366882	2.5	13x75	Clot Activator	PET	Block	Hemogard™	Gold
	367957	3.5	13x75	Clot Activator	PET	Paper	Hemogard™	Gold
	368498	3.5	13x75	Clot Activator	PET	See Through	Hemogard™	Gold
	368879	4	13X100	Clot Activator	PET	See Through	Hemogard™	Gold
	367955	5	13X100	Clot Activator	PET	Paper	Hemogard™	Gold
	366566	5	13X100	Clot Activator	PET	See Through	Hemogard™	Gold
	367953	8.5	16X100	Clot Activator	PET	Paper	Hemogard™	Gold
	366644	8.5	16X100	Clot Activator	PET	See Through	Hemogard™	Gold

**BD Vacutainer® Rapid Serum Tube (BD Vacutainer® RST)**

- Single use, evacuated sterile blood collection tube
- Contains Thrombin-based clot activator and gel
- Used to obtain a serum sample
- Pack/Case Quantity: 100/1000
- Centrifugation: 1500-2000 x g (RCF) for 10 mins at 23-27°C












	Cat. No.	Draw (ml)	Size (mm)	Additive	Material	Label	Closure	Cap Colour
	368774	5	13x100	Thrombin	PET	Paper	Hemogard™	Orange








### BD Vacutainer® Plasma Tubes (Heparin)

- Single use, evacuated sterile blood collection tube
- Contains spray-dried Lithium Heparin or Sodium Heparin (17IU/mL)
- Used to obtain a plasma sample
- Pack/Case Quantity: 100/1000
- Centrifugation:  $\leq 1300 \times g$  (RCF) for 10 mins at 25°C

	Cat. No.	Draw (ml)	Size (mm)	Additive	Material	Label	Closure	Cap Colour
	368494	2	13x75	Lithium Heparin	PET	Paper	Hemogard™	Translucent Green
	368272	2	13x75	Lithium Heparin	PET	See Through	Hemogard™	Translucent Green
	368884	4	13x75	Lithium Heparin	PET	Paper	Hemogard™	Green
	368496	4	13x75	Lithium Heparin	PET	See Through	Hemogard™	Green
	368886	6	13X100	Lithium Heparin	PET	Paper	Hemogard™	Green
	368889	6	13X100	Lithium Heparin	PET	See Through	Hemogard™	Green
	367526	10	16X100	Lithium Heparin	PET	Paper	Hemogard™	Green
	367869	4	13x75	Sodium Heparin	PET	Paper	Hemogard™	Green
	367876	6	13X100	Sodium Heparin	PET	Paper	Hemogard™	Green




### BD Vacutainer® Plasma Separator Tubes (BD Vacutainer® PST™ II)

- Single use, evacuated, sterile blood collection tube
- Contains an inert polymer and Lithium Heparin (17IU per mL blood)
- Used to obtain and separate a plasma sample
- Pack/Case Quantity: 100/1000
- Centrifugation: 1300-2000  $\times g$  (RCF) for 10 mins at 25°C

	Cat. No.	Draw (ml)	Size (mm)	Additive	Material	Label	Closure	Cap Colour
	367374	3	13x75	Lithium Heparin	PET	Paper	Hemogard™	Light Green
	368497	3	13x75	Lithium Heparin	PET	See Through	Hemogard™	Light Green
	367376	4.5	13X100	Lithium Heparin	PET	Paper	Hemogard™	Light Green
	366567	4.5	13X100	Lithium Heparin	PET	See Through	Hemogard™	Light Green
	367378	8	16X100	Lithium Heparin	PET	Paper	Hemogard™	Light Green

**BD Vacutainer® Glucose Tubes**

- Single use, evacuated, sterile blood collection tube
- Contains Fluoride / EDTA
- Used to obtain a plasma sample, in which the glucose is stabilised
- Pack/Case Quantity: 100/1000
- Centrifugation:  $\leq 1300 \times g$  (RCF) for 10 mins at 25°C



	Cat. No.	Draw (ml)	Size (mm)	Additive/ Concentration	Material	Label	Closure	Cap Colour
	368520	2	13x75	NaF Na2EDTA	PET	Paper	Hemogard™	Translucent Grey
	367933	2	13x75	NaF Na2EDTA	PET	See Through	Hemogard™	Translucent Grey
	368521	4	13x75	NaF Na2EDTA	PET	Paper	Hemogard™	Grey

**BD Vacutainer® Trace Element Tubes**

- Single use, evacuated, sterile blood collection tube
- Contains either a clot activator or EDTA
- Pack/Case Quantity: 100/1000
- Centrifugation:  $\leq 1300 \times g$  (RCF) for 10 mins at 25°C










Analyte	PET µg/L	Analyte	PET µg/L
Antimony	-	Lead	0.3
Arsenic	0.2	Magnesium*	40
Cadmium	0.1	Manganese	1.5
Calcium*	150	Mercury**	3.0
Chromium	0.5	Selenium	0.6
Copper	5.0	Zinc*	40
Iron	25		

Water extraction analysed by \*Flame, \*\*Cold Vapour, all others flameless AAS

	Cat. No.	Draw (ml)	Size (mm)	Additive	Material	Label	Closure	Cap Colour
	368380	6	13X100	Clot Activator	PET	Paper	Hemogard™	Royal Blue
	368381	6	13X100	K2EDTA	PET	Paper	Hemogard™	Royal Blue



### BD Vacutainer® Citrate Tubes

- Single use, evacuated, sterile blood collection tube
- Contains buffered Trisodium Citrate solution
- Made from PET/PP or Glass
- Used to obtain a citrate plasma sample
- Pack/Case Quantity: 100/1000
- Centrifugation: 2000-2500 x g (RCF) for 10-15 mins at 25°C

	Cat. No.	Draw (ml)	Size (mm)	Additive Concentration	Material	Label	Closure	Cap Colour
	363047	1.8	13x75	0.109M, 3.2%	PET/PP	Paper	Hemogard™	Translucent Blue
	368273	1.8	13x75	0.109M, 3.2%	PET/PP	See Through	Hemogard™	Translucent Blue
	363048	2.7	13x75	0.109M, 3.2%	PET/PP	Paper	Hemogard™	Light Blue
	364305	2.7	13x75	0.109M, 3.2%	PET/PP	See Through	Hemogard™	Light Blue
	363097	1.8	13x75	0.129M, 3.8%	PET/PP	Paper	Hemogard™	Translucent Blue
	363079	2.7	13x75	0.129M, 3.8%	PET/PP	Paper	Hemogard™	Light Blue
	367714	4.5	13x75	0.105M, 3.2%	Glass	Paper	Hemogard™	Light Blue
	367704	4.5	13x75	0.129M, 3.8%	Glass	Paper	Hemogard™	Light Blue
	366646	4.5	13x75	0.129M, 3.8%	Glass	See Through	Hemogard™	Light Blue

### BD Vacutainer® CTAD Tubes

- Single use, evacuated, sterile blood collection tube
- Contains buffered Citrate solution, Theophylline, Adenosine and Dipyridamole
- Used to obtain a citrate plasma sample where in vitro heparin activity has been stabilised
- Pack/Case Quantity: 100/1000
- Centrifugation: 1500 x g (RCF) for 15 mins at 25°C



	Cat. No.	Draw (ml)	Size (mm)	Additive Concentration	Material	Label	Closure	Cap Colour
	367562	2.7	13x75	0.109M, 3.2%	Glass	Paper	Hemogard™	Light Blue
	367599	4.5	13x75	0.109M, 3.2%	Glass	Paper	Hemogard™	Light Blue

**BD Vacutainer® ESR Tubes**


- Single use, evacuated, sterile blood collection tube
- Contains buffered Trisodium Citrate solution
- Used to obtain a whole blood sample for ESR determination
- Pack / Case Quantity: 100/1000
- Centrifugation: N/A

	Cat. No.	Draw (ml)	Size (mm)	Additive	Label	Closure	Reading Method	Cap Colour
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**BD Vacutainer® Glass Manual ESR Tube**

	367740	1.6	13X75	Na Citrate (0.129M)	Paper	Hemogard™	Manual	Black
	367741	2.4	13x75	Na Citrate (0.129M)	Paper	Hemogard™	Manual	Black

**BD Vacutainer® Glass Seditainer™ Tube**

	366674	5	10.25x120	Na Citrate (0.105M)	Paper	Hemogard™	Manual	Black
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**BD Vacutainer® Glass Sedi - 15™ Tube**

	366676	1.8	8x100	Na Citrate (0.105M)	Paper	Conventional	BD Sedi-15™	Black
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**BD Vacutainer® Crossmatch Tubes**
















- Single use, evacuated, sterile blood collection tube
- Contains K2EDTA or silica (clot activator) with labeling for cross-match use
- Used to obtain a whole blood or EDTA plasma sample
- Pack/Case Quantity: 100/1000
- Centrifugation: N/A

	Cat. No.	Draw (ml)	Size (mm)	Additive	Material	Label	Closure	Cap Colour
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	366164	4	13x75	K2EDTA	PET	Xmatch	Hemogard™	Pink
	367941	6	13X100	K2EDTA	PET	Xmatch	Hemogard™	Pink
	368817	6	13X100	Silica (Clot Activator)	PET	Xmatch	Hemogard™	Pink

### BD Vacutainer® EDTA Tubes

- Single use, evacuated, sterile blood collection tube
- Contains K2EDTA or K3EDTA
- Used to obtain a whole blood or EDTA plasma sample
- Pack/Case Quantity: 100/1000
- Centrifugation: N/A

	Cat. No.	Draw (ml)	Size (mm)	Additive	Material	Label	Closure	Cap Colour
	368841	2	13x75	K2EDTA	PET	Paper	Hemogard™	Translucent Lavender
	368274	2	13x75	K2EDTA	PET	See Through	Hemogard™	Translucent Lavender
	368856	3	13x75	K2EDTA	PET	Paper	Hemogard™	Translucent Lavender
	368499	3	13x75	K2EDTA	PET	See Through	Hemogard™	Translucent Lavender
	368861	4	13x75	K2EDTA	PET	Paper	Hemogard™	Lavender
	367839	4	13x75	K2EDTA	PET	Block	Hemogard™	Lavender
	367862	4	13x75	K2EDTA	PET	See Through	Hemogard™	Lavender
	367864	6	13X100	K2EDTA	PET	Paper	Hemogard™	Lavender
	365900	6	13X100	K2EDTA	PET	See Through	Hemogard™	Lavender
	367525	10	16X100	K2EDTA	PET	Paper	Hemogard™	Lavender
	367836	2	13x75	K3EDTA	PET	Block	Hemogard™	Translucent Lavender
	367858	2	13x75	K3EDTA	PET	See Through	Hemogard™	Translucent Lavender
	368857	3	13x75	K3EDTA	PET	Block	Hemogard™	Translucent Lavender
	368860	4	13x75	K3EDTA	PET	Block	Hemogard™	Lavender
	368270	4	13x75	K3EDTA	PET	See Through	Hemogard™	Lavender





## SPECIALITY TUBES

## Tubes


**BD Vacutainer® ACD Tubes**

- Single use, evacuated, sterile blood collection tube
- Contains - ACD Solution A: (Trisodium Citrate (2.59mg/mL), Citric Acid (0.94mg/mL), Dextrose (2.88mg/mL), Potassium Sorbate (0.024mg/mL)  
- ACD Solution B: (Trisodium Citrate (2.20mg/mL), Citric Acid (0.80mg/mL), Dextrose (2.45mg/mL), Potassium Sorbate (0.033mg/mL)
- Used to obtain a whole blood or a plasma sample
- Pack/Case Quantity: 100/1000
- Centrifugation: N/A

	Cat. No.	Draw (ml)	Size (mm)	Additive	Material	Label	Closure	Cap Colour
	367756	6	13X100	ACD Solution B	Glass	Paper	Hemogard™	Light Yellow
	366645	8.5	16X100	ACD Solution A	Glass	Paper	Conventional	Yellow

**BD Vacutainer® EDTA Aprotinin Tube**

- Single use, evacuated, sterile blood collection tube
- Contains K3EDTA (1.6mg per mL blood) and Aprotinin (50KIU per mL blood) protease inhibitor
- Used to obtain an EDTA plasma sample
- Pack/Case Quantity: 100/1000

	Cat. No.	Draw (ml)	Size (mm)	Additive	Material	Label	Closure	Cap Colour
	361017	5	13x75	K3EDTA/Aprotinin	Glass	Paper	Hemogard™	Pink




**BD Vacutainer® Plus Evacuated Secondary Tube (EST)**

- Single use, evacuated, sterile blood collection tube
- Used as a secondary/aliquot tube
- Pack/Case Quantity: 100/1000
- Centrifugation: N/A

	Cat. No.	Draw (ml)	Size (mm)	Additive	Material	Label	Closure	Cap Colour
	362725	3	13X75	No additive	PET	See Through	Hemogard™	Translucent White

### BD Vacutainer® PPT™ Plasma Preparation Tubes




- Single use, evacuated, sterile blood collection tube
- Contains spray-dried K2EDTA anticoagulant and an inert polyester gel
- Used to obtain an undiluted plasma sample where an undiluted specimen is required
- Pack/Case Quantity: 100/1000
- Centrifugation: 1100-1500 x g (RCF) for 10 mins at 25°C

	Cat. No.	Draw (ml)	Size (mm)	Additive	Material	Label	Closure	Cap Colour
	362791	5	13x100	K2EDTA / Gel	PET	Paper	Hemogard™	Pearlescent
	362795	5	13x100	K2EDTA / Gel	PET	See Through	Hemogard™	Pearlescent
	362799	8.5	16x100	K2EDTA / Gel	PET	See Through	Hemogard™	Pearlescent

### BD Vacutainer® CPT™ Cell Preparation Tubes

- Single use, evacuated, sterile blood collection tube
- Contains an anticoagulant (Sodium Citrate or Sodium Heparin), a combined gel / FICOLL™ separation system and is silicon coated to minimize non-specific cell activation
- Used to allow the separation of mononuclear cells from whole blood in a single centrifugation step
- Pack Quantity: 60
- Centrifugation: 1500-1800 x g (RCF) for 15-20 mins at 25°C


(FICOLL™ is a trademark of GE Healthcare Companies)

	Cat. No.	Draw (ml)	Size (mm)	Additive	Material	Label	Closure	Cap Colour
	362781	4	13x100	Sodium Citrate/FICOLL™	Glass	See Through	Conventional	Blue / Black
	362782	8	16x125	Sodium Citrate/FICOLL™	Glass	See Through	Conventional	Blue / Black
	362780	8	16x125	Sodium Heparin/FICOLL™	Glass	See Through	Conventional	Red / Green

### PAXgene™ Blood RNA Tube\*

- Single use, evacuated, sterile blood collection tube
- Contains a proprietary RNA stabilisation reagent that immediately stabilised intracellular RNA for three days at room temperature, five days at 4°C
- Must be used in conjunction with the PAXgene™ Blood RNA Kit. The PAXgene™ Kits are available from Qiagen on +21 03 291 2000
- Pack/Case Quantity: 100/1000
- Centrifugation: 10 minutes at 3000–5000 x g (RCF)

\* PAXgene is a trademark of PreAnalytiX GmbH.

	Cat. No.	Draw (ml)	Size (mm)	Additive	Material	Label	Closure	Cap Colour
	762165	2.5	16x100	Propriety RNA stabilisation reagent	PET	Paper	Hemogard™	Translucent / Red

**BD™ P100 Blood Collection System for Plasma Protein Preservation****The BD™ P100 Blood Collection System contains:**

- 24 BD™ P100 Blood Collection System Tubes: Six (6) tubes/foil pouch, Four (4) foil pouches
- Instruction for Use
- For research use only – not for diagnostic procedures
- Centrifugation: 2000 - 3000 x g (RCF) for 5 minutes



Cat. No.	Draw (ml)	Size (mm)	Additive	Material	Label	Closure	Cap Colour
366448	8.5	16X100	K2EDTA	PET	Paper	Hemogard™	Translucent/Red

**BD™ P700 Blood Collection System for Plasma GLP-1 Preservation****The BD™ P100 System contains the following:**



- 20 BD™ P700 Blood Collection Tubes for basic metabolic research (see below): 10 tubes/ foil pouch, 2 foil pouches/ kit
- Tubes contain a proprietary dipeptidyl peptidase IV (DPP-IV) protease inhibitor cocktail
- For research use only – not for diagnostic procedures
- Centrifugation: 1100-1300 x g (RCF) for 10 minutes



Cat. No.	Draw (ml)	Size (mm)	Additive	Material	Label	Closure	Cap Colour
366473	3	13x75	K2EDTA	PET	Paper	Hemogard™	Translucent Lavendar/ Dark Grey Stopper



**BD™ P800 Tubes**

- Single use, evacuated, sterile blood collection tube
- Contains a proprietary cocktail of protease, esterase & dipeptidyl peptidase IV (DPP-IV) inhibitors
- For Research Use Only - not for use in diagnostic procedures
- Pack Quantity: 100
- Centrifugation: 1100-1300 x g (RCF) for 10 and 20 minutes respectively for the 2.0 and 8.5 mL tubes

	Cat. No.	Draw (ml)	Size (mm)	Additive	Material	Label	Closure	Cap Colour
	366420	2	13X75	K2EDTA	PET	Paper	Hemogard™	Translucent
	366421	8.5	16X100	K2EDTA	PET	Paper	Hemogard™	Translucent



### BD Vacutainer® Eclipse™ Safety Needle

- Sterile, single use
- Multi-sample blood collection safety needle
- Pack/Case Quantity: 48/480

	<i>Cat. No.</i>	<i>Gauge</i>	<i>Length</i>	<i>Accessory</i>	<i>Colour</i>
	368609	21G (0.8mm)	1.25" (32mm)		Green
	368610	22G (0.7mm)	1.25" (32mm)		Black

### BD Vacutainer® Eclipse™ Safety Needle with Pre-attached Holder

- Sterile, single use
- Multi-sample blood collection Safety needle with Pre-attached Holder
- Pack Quantity: 100




	<i>Cat. No.</i>	<i>Gauge</i>	<i>Length</i>	<i>Accessory</i>	<i>Colour</i>
	368650	21G (0.8mm)	1.25" (32mm)	pre-attached holder	Green
	368651	22G (0.7mm)	1.25" (32mm)	pre-attached holder	Black

## CONVENTIONAL

## Needles




**BD Vacutainer® Flashback Blood Collection Needle**

- Sterile, single use
- Pack/Case Quantity: 50/1000

	<i>Cat. No.</i>	<i>Gauge</i>	<i>Length</i>	<i>Colour</i>
	301746	21G (0.8mm)	1" (25mm)	Green
	301747	22G (0.7mm)	1" (25mm)	Black
	301748	22G (0.7mm)	1.25" (32mm)	Black

**BD Vacutainer® Precision Glide™ Single Sample Needle**

- Sterile, single use, single sample veterinary needle
- Pack/Case Quantity: 100/1000

	<i>Cat. No.</i>	<i>Gauge</i>	<i>Length</i>	<i>Colour</i>
	360747	18G	1" (25mm)	Pink
	360748	18G	1.5" (38mm)	Pink
	360 745	20G	1" (25mm)	Yellow






### BD Vacutainer® Push Button Blood Collection Set




- Sterile, single use
- Sterile closed system for drawing blood from difficult veins
- Available with or without luer adapter
- Available in a range of gauges and tubing lengths
- Provides in-vein activation safety
- Pack/Case Quantity: 50/200

Cat. No.	Gauge	Needle Length	Tubing Length	Accessory	Colour
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#### With Luer Adaptor













	367338	21G (0.8mm)	0.75" (19mm)	7" (178mm)	Luer Adapter	Green
	367336	23G (0.6mm)	0.75" (19mm)	7" (178mm)	Luer Adapter	Light Blue
	367335	25G (0.5mm)	0.75" (19mm)	7" (178mm)	Luer Adapter	Dark Blue
	367344	21G (0.8mm)	0.75" (19mm)	12" (305mm)	Luer Adapter	Green
	367342	23G (0.6mm)	0.75" (19mm)	12" (305mm)	Luer Adapter	Light Blue
	367341	25G (0.5mm)	0.75" (19mm)	12" (305mm)	Luer Adapter	Dark Blue

#### Without Luer Adaptor

	367326	21G (0.8mm)	0.75" (19mm)	12" (305mm)	Without Luer Adapter	Green
	367324	23G (0.6mm)	0.75" (19mm)	12" (305mm)	Without Luer Adapter	Light Blue
	367323	25G (0.5mm)	0.75" (19mm)	12" (305mm)	Without Luer Adapter	Dark Blue


### BD Vacutainer® Safety-Lok™ Blood Collection Set

- Sterile, single use
- Sterile closed system for drawing blood from difficult veins
- Available with or without luer adaptor and with Pre-attached Holder
- Can also be used for short term infusion - maximum 2 hours
- Available in a range of gauges and tubing lengths
- Pack/Case Quantity: 50/200, 25/200 for BD Vacutainer® Safety-Lok™ Blood Collection Set with Pre-attached Holder

	Cat. No.	Gauge	Needle Length	Tubing Length	Accessory	Colour
<b>With Luer Adaptor</b>						
	367282	21G (0.8mm)	0.75" (19mm)	7" (178mm)	Luer Adaptor	Green
	367286	21G (0.8mm)	0.75" (19mm)	12" (305mm)	Luer Adaptor	Green
	367284	23G (0.6mm)	0.75" (19mm)	7" (178mm)	Luer Adaptor	Light Blue
	367288	23G (0.6mm)	0.75" (19mm)	12" (305mm)	Luer Adaptor	Light Blue
	367295	25G (0.5mm)	0.75" (19mm)	7" (178mm)	Luer Adaptor	Dark Blue
<b>With Pre-attached Holder</b>						
	368654	21G (0.8mm)	0.75" (19mm)	7" (178mm)	Pre-attached Holder	Green
	368652	21G (0.8mm)	0.75" (19mm)	12" (305mm)	Pre-attached Holder	Green
	368653	23G (0.6mm)	0.75" (19mm)	12" (305mm)	Pre-attached Holder	Light blue
	368655	23G (0.6mm)	0.75" (19mm)	7" (178mm)	Pre-attached Holder	Light blue
<b>Without Luer Adaptor</b>						
	367246	21G (0.8mm)	0.75" (19mm)	12" (305mm)	Without Luer Adaptor	Green
	367247	23G (0.6mm)	0.75" (19mm)	12" (305mm)	Without Luer Adaptor	Light Blue
	368383	25G (0.5mm)	0.75" (19mm)	12" (305mm)	Without Luer Adaptor	Dark Blue




### BD Vacutainer® One Use Holder

- Single Use
- Compatible with all BD Vacutainer® tubes and needles and with BD Bactec™ Blood Culture Bottles
- Pack/Case Quantity: 250/1000

	Cat. No.	Description	Colour
	364815	One use holder	White

### BD Vacutainer® Adapters


- Single Use
- Closed system for reduced risk of transfer related injuries
- Compatible with all BD Vacutainer® tubes and needles

	Cat. No.	Description	Colour	Pack/Case
	367300	Luer Adapter for blood collection from catheters or for combination with luer canulas. Safety valve for filling tubes	Dark Blue	100/1000
	364902	BD Vacutainer® Luer-Lok™ Access Device	Transparent	50/200
	364810	BD Vacutainer® Blood Transfer Device	Transparent	50/200

## ACCESSORIES


### BD Vacutainer® Stretch™ Tourniquet

- Single use
- Latex-free
- Minimises the risk of infection to healthcare workers and patients
- Packaged in easy-to-use dispenser


	<i>Cat. No.</i>	<i>Description</i>	<i>Pack/ Case</i>
	367204	Single use tourniquet	25/500

### BD Vacutainer® DIFF-SAFE® Blood Dispenser

- Single Use
- Blood dispenser for preparing blood slides
- Pack/Case Quantity: 1000/10000




	<i>Cat. No.</i>	<i>Description</i>	<i>Pack/ Case</i>
	366005	DIFF-SAFE® Blood Dispenser	1000/10000

### Blood Collection Tray

	<i>Cat. No.</i>	<i>Description</i>	<i>Box/ Case Qty.</i>
	368697	Holds up to 80 tubes	21



### BD Microtainer® Contact-Activated Lancets

- Single use
- Safety-engineered
- Pack/Case Quantity: 200/2000

	Cat. No.	Colour	Lancet	Depth	Width/ Gauge	Blood Volume
	366592	Lavendar	Needle	1.5mm	30G	Low Single Drop
	366593	Pink	Needle	1.8mm	21G	Medium Flow
	366594	Blue	Blade	2mm	1.5mm	High Flow

### BD Quikheel™ Safety Incision Devices

- Single use with permanently retractable blade to minimise possible injury or re-use
- Designed for heelstick in infants and babies
- Permanently retractable blade
- Pack/Case Quantity: 50/200

	Cat. No.	Colour	Lancet	Depth	Width/ Gauge	Blood Volume
	368102	Pink	Blade	0.85mm	1.75mm	Medium to High
	368103	Teal	Blade	1mm	2.5mm	High



### BD Microtainer® MAP Microtube for Automated Processing

- 13 x 75mm single use, sterile blood collection tube
- Contains spray-dried K2EDTA, 1.0mg
- Pierceable twist-closure cap
- Full size standard label
- Fill volume 250 - 500µL
- Pack/Case Quantity: 50/200



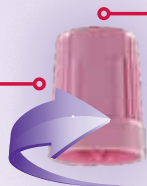
	Cat. No.	Additive	Tube Colour	Closure	Cap Colour
	363706	K2EDTA	Clear	Twist	Lavender

**Twist-assist closure**, for easier cap removal, **snaps closed** and ensures **safer leak-free** transportation to the lab



Packaging is recyclable

1.0 mg K2EDTA,  
250-500 µL volume,  
13x75 mm



**Pierceable cap**, compatible with instrument probes

One piece 13x75 mm tube with **integrated collector**

Three clearly **visible fill lines** to ensure proper collection volume

**Number of inversions** illustrated on the tube label

Full size standard label with **V-Notch™** feature provides a visual guide for proper placement of labeling



# Capillary Access

## Tubes

## CHEMISTRY



### BD Microtainer® Serum Tube

- Single use, sterile blood collection tube
- Used to obtain a serum sample
- Fill volume 250 - 500µL
- Pack/Case Quantity: 50/200

	<i>Cat. No.</i>	<i>Additive</i>	<i>Tube Colour</i>	<i>Closure</i>	<i>Cap Colour</i>
	365964	No additive	Clear	Microgard™	Red

### BD Microtainer® Serum Separator Gel Tubes (BD SST™)

- Single use sterile blood collection tube
- Contains a gel barrier and a clot activator coating
- Used to obtain and separate a serum sample
- Amber tubes used for light sensitive analytes
- Fill volume 400 - 600µL
- Pack/Case Quantity: 50/200

	<i>Cat. No.</i>	<i>Additive</i>	<i>Tube Colour</i>	<i>Closure</i>	<i>Cap Colour</i>
	365968	Clot Activator	Clear	Microgard™	Gold
	365979	Clot Activator	Amber	Microgard™	Gold

## ACCESSORIES


### BD Microtainer® Accessories

- Tube extenders for BD Microtainer® Tubes

	<i>Cat. No.</i>	<i>Description</i>	<i>Pack/ Case</i>
	368933	BD Microtainer® tube extender (short) for Microgard™ collection tubes	50/200



### BD Microtainer® Plasma Tube (Heparin)

- Single use, sterile blood collection tube
- Contains Lithium Heparin
- Used to obtain a plasma sample
- Fill volume 250 - 500 µL
- Pack/Case Quantity: 50/200

	<i>Cat. No.</i>	<i>Additive</i>	<i>Tube Colour</i>	<i>Closure</i>	<i>Cap Colour</i>
	365966	Lithium Heparin	Clear	Microgard™	Green


### BD Microtainer® Plasma Separator Gel Tubes (BD PST™)

- Single use, sterile blood collection tube
- Contains a gel barrier and Lithium Heparin
- Used to obtain and separate a plasma sample
- Amber tubes used for light sensitive analytes
- Fill volume 400 - 600µL
- Pack/Case Quantity: 50/200

	<i>Cat. No.</i>	<i>Additive</i>	<i>Tube Colour</i>	<i>Closure</i>	<i>Cap Colour</i>
	365986	Lithium Heparin	Clear	Microgard™	Light Green
	365988	Lithium Heparin	Amber	Microgard™	Light Green

### BD Microtainer® Glucose Tube

- Single use sterile blood collection tube
- Contains Sodium Fluoride EDTA
- Used to obtain a plasma sample, in which the glucose is stabilised
- Fill volume 250 - 500 µL
- Pack/Case Quantity: 50/200










	<i>Cat. No.</i>	<i>Additive</i>	<i>Tube Colour</i>	<i>Closure</i>	<i>Cap Colour</i>
	365993	Sodium Fluoride	Clear	Microgard™	Grey

# Arterial Access

## Critical Care Collection




### BD Preset™ Syringes

- Single use, sterile autoventing blood collection by natural or manual aspiration
- For arterial blood collection
- Contains spray-dried, calcium-balanced Heparin
- Case quantity: 100

	<i>Cat. No.</i>	<i>Draw (ml)</i>	<i>Gauge</i>	<i>Needle Length</i>	<i>Tip Type</i>	<i>Closure</i>
	364413	1	23G (0.6mm)	1" (25mm)	Slip Tip	Conventional
	364415	1	25G (0.5mm)	1" (25mm)	Slip Tip	Conventional
	364416	1	-	-	Slip Tip	Conventional
	364314	3	22G (0.7mm)	1" (25mm)	Luer-Lok™	Hemogard™ + Cube
	364316	3	-	-	Luer-Lok™	Hemogard™
	364327	3	23G (0.6mm)	1" (25mm)	Luer-Lok™	Hemogard™ + Cube
	364390	3	22G (0.7mm)	1" (25mm)	Luer-Lok™	Hemogard™
	364391	3	23G (0.6mm)	1" (25mm)	Luer-Lok™	Hemogard™
	364393	3	25G (0.5mm)	1" (25mm)	Luer-Lok™	Hemogard™

### BD A-Line™

- Single use, sterile autoventing blood collection by manual aspiration
- For arterial blood collection
- Contains spray-dried, calcium-balanced Heparin
- Case quantity: 100







	<i>Cat. No.</i>	<i>Draw (ml)</i>	<i>Gauge</i>	<i>Needle Length</i>	<i>Tip Type</i>	<i>Closure</i>
	364356	1	-	-	Slip Tip	Conventional
	364378	3	-	-	Luer-Lok™	Hemogard™
	364376	3	-	-	Slip Tip	Conventional

# Urine Collection

## Tubes





### BD Vacutainer® Urine Analysis Tubes

- Single use, sterile, leak-proof, evacuated tubes
- Preservative contains 0.4% Chlorhexidine, 5.6% Ethyl Paraben and 94% Sodium Propionate
- Compatible with BD collection devices and accessories
- Pack/Case Quantity: 100/1000

	Cat. No.	Draw (ml)	Size (mm)	Additive	Material	Label	Closure	Cap Colour
	368500	4	13x75	No additive	PET	Paper	Hemogard™	Beige
	368501	6	13X100	No additive	PET	Paper	Hemogard™	Beige
	364992	8	16X100	Preservative	PET	Paper	Conventional	Red/Yellow
	365000	9.5	16X100	No additive	PET	Paper	Hemogard™	Beige
	364938	10	16X100	No additive	PET	Paper	Conventional	Yellow
	364915	11	16X100	No additive	PET	Paper	Hemogard™	Beige

### BD Vacutainer® Microbiology C&S Tubes




- Single use, sterile, leak-proof tubes
- PET tubes contain Boric acid (2.63mg per mL urine), Sodium Formate (1.65mg/mL) and Sodium Borate (2.08mg/mL)
- Compatible with BD collection devices and accessories
- Pack/Case Quantity: 100/1000

	Cat. No.	Draw (ml)	Size (mm)	Additive	Material	Label	Closure	Cap Colour
	364958	4	13x75	C&S Preservative	PET	Paper	Hemogard™	Olive Green
	364959*	4	13x75	C&S Preservative	PET	Paper	Hemogard™	Olive Green
	364955	10	16X100	C&S Preservative	PET	Paper	Hemogard™	Olive Green
	364944*	10	16X100	C&S Preservative	PET	Paper	Hemogard™	Olive Green

\* Includes Specimen Transfer Straw (See page 35)

### BD Vacutainer® Urine Collection Accessories





- Single use
- Part of the BD Vacutainer® Closed Urine Collection and Transport System
- Integrated transfer straw included - 364941 & 364982
- Compatible with BD Vacutainer® Urinalysis and microbiology C&S tubes

	Cat. No.	Description	Volume (ml)	Pack/ Case
	364941	BD™ Sterile Urine Collection Cup with Integrated Transfer Straw	120	100/200
	364982	BD™ Plastic Amber Color 24 Hour Urine Container	3000	1/40
	364940	BD™ Transfer Straw		100/1000











### Secondary Containers H-BIN Biotransport®

- Available in a wide range of sizes
- Absorbent and document tray included
- For the transport of diagnostic specimens
- Can be used in conjunction with Tertiary Containers (See page 37)
- Fully certified to comply with national and European regulations (ADR, packaging instruction P650, UN3373)

	<i>Cat. No.</i>	<i>Description</i>	<i>Dimension (mm) (L x W x H)</i>	<i>Weight (g)</i>	<i>Capacity</i>	<i>Case</i>
	369641	Container BIO 01P	242x169x155	720	60 tubes Ø 13mm	2
	369642	Container Bio 02S	305x242x155	1080	120 tubes Ø 13mm	2
	369643	Container BIO 03M	390x230x173	1470	180 tubes Ø 13mm	1
	369644	Container BIO 04L	500x285x225	2610	300 tubes Ø 13mm	1

### Tertiary Containers

- Developed to carry H-Bin Biotransport Secondary Containers
- Available in a wide range of sizes and solutions to maintain room temperature or refrigerated conditions
- Safely transport diagnostic specimens in compliance with the national and European regulations




	Cat. No.	Description	Dimension (mm) (L x W x H)	Weight (g)	Capacity	Case
	369656	Container BIO 701 with isolation to maintain original temperature	560x340x340	2700	1 Ref. 369643 or 1 Ref. 369644	1
	369658	Container BIO 301 with isolation to maintain original temperature	510x280x260	1780	2 Ref. 369641 or 1 Ref. 369543	1
	369657	Container BIO 858	480x290x260	2620	2 Ref. 369641 or 1 Ref. 369642 or 1 Ref. 369643	1
	368712	Tertiary bag for BIO 01P with isolation to maintain original temperature	280x200x190	320	1 Ref. 369641	2
	368713	Tertiary bag for BIO 02S with isolation to maintain original temperature	330x260x190	510	1 Ref. 369642	1
	368714	Tertiary bag for BIO 03M with isolation to maintain original temperature	410x260x210	590	1 Ref. 369643	1
	368562	Container ISOTHERMAL TERTIARY BLUE To maintain refrigerated temperature include 1 x 369722 (page 40)	485x300x415	3560	2 Ref. 369641 or 2 Ref. 369642	1
	369727	Container BIO ISOTHERM To maintain refrigerated temperature include 1 x 368720 (page 40)	390x375x365	3690	2 Ref. 369641 or 1 Ref. 369642	1

# Transportation

## Transport Boxes











### Hemobox® 4

- Developed to safely transport the BD Vacutainer® System
- Consists of an outer box, see through protective cover, absorbent paper material and a plastic insert to hold the tubes
- Easy to use, practical and safe

	<i>Cat. No.</i>	<i>Description</i>	<i>Dimension (mm) (L x W x H)</i>	<i>Weight (g)</i>	<i>Capacity</i>	<i>Case</i>
	366903	Hemobox® 4 blue	150x100x70	175	8 tubes 1 holder 3 needles	24
	366904	Hemobox® 4 green	150x100x70	175	8 tubes 1 holder 3 needles	24
	366905	Hemobox® 4 red	150x100x70	175	8 tubes 1 holder 3 needles	24

### Secondary Container Internal Accessories - Stands

- Specially designed to accommodate different primary containers (tubes, urine cups, hemoculture bottles)
- Available in various materials, sizes and shapes
- Keeps samples safe and upright to reduce haemolysis due to mechanical stress
- Designed to be used in conjunction with secondary container H-BIN Biotransport® (see page 36)










	Cat. No.	Description	Dimension (mm) (L x W x H)	Weight (g)	Capacity	Case
	369645	Tube rack	160x100x65	45	45 cavities Ø 13mm	12
	369646	Tube rack in polyurethane	160x100x103	55	28 cavities Ø 16mm	12
	369647	Hemocultural bottle and tube rack in polyurethane	180x78x330	65	(12 cavities Ø 13mm + 12 hemoculture bottles)	5
	369648	Urine cup tray in polypropylene	425x213x70	65	18 cavities Ø 60mm	4
	368563	Urine cup tray in polypropylene	213x140x70	55	6 cavities Ø 60mm	6
	369659	Tube rack in polyethylene	244x100x68	95	90 cavities Ø 13mm	8
	369710	Tube rack in polyethylene	165x100x68	65	60 cavities Ø 13mm	10
	369701	Tube rack in polyethylene	240x100x68	95	60 cavities Ø 16mm	8
	369702	Tube rack in polyethylene	165x100x68	65	40 cavities Ø 16mm	10
	369726	Mini Bio Isotherm for transport of refrigerated specimens	195x95x61	118	2cc Syringes or 4 tubes 13x75 mm or 2 tubes 13x100 mm	20

# Transportation

## Accessories




### Internal Accessories

- Freezer Packs available in range of sizes
- Ultra-thin absorbents designed to absorb any liquid in a Secondary Container in case of primary container breakage.
- Absorbents available in range of sizes to match Secondary Containers

	Cat. No.	Description	Dimension (mm) (L x W x H)	Weight (g)	Qty.
	368717	Freeze board 200ml	160x110x14	200	10
	369722	Freeze board 400ml	250x140x14	410	10
	368719	Freeze board 800ml	320x240x14	820	10
	369728	Freeze board 2000ml	375x215x29	1840	2
	368720	Freeze Kit for new BIO ISOTH 369727 (page 37)	400x270x200	2500	2
	369703	CUS 01P absorbant	170x110	5	10
	369707	CUS 02S absorbant	240x175	10	10
	369708	CUS 03M absorbant	330x175	12	10
	369709	CUS 04L absorbant	410x220	19	10

## BD T&T® - Time & Temperature Monitoring System

- Designed to monitor critical variables (time and temperature) during transport of diagnostic specimens
- **Tempstick®** - self-powered miniature data logger records times and temperatures at predetermined intervals. Maintenance-free with 10 year battery life. EC certificate also contains a declaration of SIT (Italian Calibration Centre) traceable calibration
- **BD Mission Starter** - mission activation device, intuitive and easy use, requiring no specific handling or maintenance
- **BD System Manager** - easy to use mission decoding device. Activates, reads, captures and validates BD Tempstick® data acquired during the mission. Includes BD T&T® software that allows the complete and advanced management of BD T&T® system.

	Cat. No.	Description	Weight (g)	Qty.
	369719	System Manager - Includes BD T&T® software	140	1
	369712	Datalogger TempStick® with certificate of calibration	13	5
	369720	Mission Starter	140	1
	369723	Calibration Service		

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BD is a leading global medical technology company that develops, manufactures and sells medical devices, instrument systems and reagents. The Company is dedicated to improving people's health throughout the world. BD is focused on improving drug delivery, enhancing the quality and speed of diagnosing infectious diseases and cancers, and advancing research, discovery and production of new drugs and vaccines. BD's capabilities are instrumental in combating many of the world's most pressing diseases. Founded in 1897 and headquartered in Franklin Lakes, New Jersey, BD employs approximately 29,000 associates in approximately 50 countries throughout the world. The Company serves healthcare institutions, life science researchers, clinical laboratories, the pharmaceutical industry and the general public. For more information, please visit [www.bd.com](http://www.bd.com).

## **BD Medical**

BD Medical is among the world's leading suppliers of medical devices and a leading innovator in injection- and infusion-based drug delivery since 1906, when the Company built the first-ever facility in the U.S. to manufacture needles and syringes. The BD Medical segment is focused on providing innovative solutions to reduce the spread of infection, enhance diabetes treatment, advance drug delivery and improve ophthalmic surgery outcomes.

## **BD Diagnostics**

BD Diagnostics is a leading provider of products for the safe collection and transport of diagnostics specimens, as well as instruments and reagent systems to accurately detect a broad range of infectious diseases, healthcare-associated infections (HAIs) and cancers. The BD Diagnostics segment focuses on improving health outcomes for patients and providing laboratories with solutions that improve quality, enhance laboratory system productivity, reduce costs and inform medical decisions.

## **BD Biosciences**

BD Biosciences is a world leader in bringing innovative diagnostic and research tools to life scientists, clinical researchers, laboratory professionals and clinicians who are involved in basic research, drug discovery and development, biopharmaceutical production and disease management. The BD Biosciences segment is focused on continually advancing the science and applications associated with cellular analysis and products that help grow living cells and tissue.



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