

Product Catalogue

BD Medical - Medical Surgical Systems and Diabetes Care



Helping all people
live healthy lives

Eastern Europe, Middle East and Africa

August 2009

SAFETY

INJECTION SYSTEMS

DIABETES CARE

INFUSION THERAPY

ANAESTHESIA SYSTEMS

CRITICAL CARE AND HAEMODYNAMIC MONITORING

SURGICAL ACCESSORIES

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Injection Systems

BD Eclipse™ needle with BD Luer-Lok™ syringes

Description	Needle Dimensions	Box content units	Item number
1 ml	27G 1/2" - 0.4 x 13 mm	50	305789
3 ml	25G 5/8" - 0.5 x 16 mm	50	305781
3 ml	23G 1" - 0.6 x 25 mm	50	305782
3 ml	22G 1 1/2" - 0.7 x 40 mm	50	305783
3 ml	21G 1 1/2" - 0.8 x 40 mm	50	305784
5 ml	22G 1 1/2" - 0.7 x 40 mm	50	305785
10 ml	22G 1 1/2" - 0.7 x 40 mm	50	305786

BD Eclipse™ needles with BD SmartSlip™ technology

Needle Dimensions	Box content units	Item number
30G 1/2" - 0.29 x 13 mm	100	305771
27G 1/2" - 0.4 x 13 mm	100	305770
25G 5/8" - 0.5 x 16 mm	100	305760
23G 1" - 0.6 x 25 mm	100	305892
21G 1 1/2" - 0.8 x 40 mm	100	305895
21G 1" - 0.8 x 25 mm	100	305894
20G 1 1/2" - 0.9 x 40 mm	100	305888*
20G 1" - 0.9 x 25 mm	100	305899

* Product will become available Nov/Dec 2009. Please contact your local sales representative for product availability.

BD SafetyGlide™ needle with BD Luer-Lok™ syringe

Description	Needle Dimensions	Box content units	Item number
3 ml	25G 5/8" - 0.5 x 16 mm	50	305904
3 ml	23G 1" - 0.6 x 25 mm	50	305905
5 ml	22G 1 1/2" - 0.7 x 25 mm	50	305907
10 ml	22G 1 1/2" - 0.7 x 25 mm	50	305908

BD SafetyGlide™ syringes with integrated needle

Description	Needle Dimensions	Box content units	Item number
1 ml	27G 1/2" - 0.4 x 13 mm	100	305945
1 ml	26G 3/8" - 0.45 x 10 mm	100	305946

BD Integra™ syringe with retracting BD PrecisionGlide™ needle

Description	Box content units	Item number
3 ml syringe with detachable 25G x 5/8" needle	100	305269
3 ml syringe with detachable 25G x 1" needle	100	305270
3 ml syringe with detachable 23G x 1" needle	100	305271
3 ml syringe with detachable 22G x 1 1/2" needle	100	305272
3 ml syringe with detachable 21G x 1" needle	100	305273
3 ml syringe with detachable 21G x 1 1/2" needle	100	305274

BD Integra™ syringe

Description	Box content units	Item number
3 ml syringe only	100	305283

BD Integra™ retracting needles

Needle Dimensions	Box content units	Item number
25G x 5/8" - 0.5 x 16 mm	100	305310
25G x 1" - 0.5 x 25 mm	100	305311
23G x 1" - 0.6 x 25 mm	100	305312
22G x 1 1/2" - 0.7 x 40 mm	100	305313

BD Integra™ blunt, non-retracting needles

Needle Dimensions	Box content units	Item number
18G x 1 1/2" - 1.25 x 40 mm	100	305275
18G x 1 1/2" - 1.25 x 40 mm with 5 micron filter	100	305833

BD™ Blunt Fill needle

Description	Gauge and Length	Colour code	Box content units	Item number
BD™ Blunt Fill Needle	18G x 1½"	Red	100	305180
BD™ Blunt Fill Needle with 5 micron Filter	18G x 1½"	Red	100	305211

BD™ Saline SP - Sterile Fluid Path - prefilled flushing devices

Description	Box content units	Item number
3 ml BD™ Saline SP	30	306573
5 ml BD™ Saline SP	30	306574
10 ml BD™ Saline SP	30	306575

BD™ Saline XS - EXternally Sterile - prefilled flushing devices

Description	Box content units	Item number
3 ml BD™ Saline XS	30	306570
5 ml BD™ Saline XS	30	306571
10 ml BD™ Saline XS	30	306572

Next Generation BD™ Sharps Disposal Systems

Product	Nominal Capacity (Litre)	Usable Capacity (Litre)	Box content units	Item number
0.45 L Sharps Container	0.45 L	0.36 L	100	302434
0.87 L Sharps Container	0.87 L	0.7 L	50	367202
1.5 L Sharps Container	1.5 L	1.2 L	40	305624
3.0 L Sharps Container	3.0 L	2.4 L	25	305625
5.0 L Sharps Container	5.0 L	4.0 L	20	305626
7.0 L Sharps Container	7.0 L	5.6 L	16	305627
22.7 L Sharps Container	22.7 L	18.2 L	12	300479

Brackets Supports & Accessories	Description	Box content units	Item number
0.87 L Metal Cup Bracket	Metal cup bracket for placement on horizontal surfaces.	12	305970
0.45 L Desktop Bracket	Plastic bracket for placement on horizontal surfaces.	12	305964
1.5 L Desktop Bracket	Multipurpose metal bracket suitable for placement on horizontal surfaces, secure wall mounting and fastened to a rail with the use of an adaptor.	6	305645
3.0 L Desktop Bracket		6	305250
5.0 L Desktop Bracket		6	305253
7.0 L Desktop Bracket		6	305255
1.5 L Hanging Bracket	Metal bracket suitable for attaching to medication carts.	6	305710
3.0 L Hanging Bracket		6	305251
5.0 L Hanging Bracket		6	305252
7.0 L Hanging Bracket		6	305254
Universal Adopter (small)	Suitable for attaching all desktop brackets to rails or countertops for space saving efficiency.	6	305636
Universal Adopter (large)		6	305637
Replacement Suction Cups	For secure fitment of all horizontally mounted desktop brackets.	12	305968

Injection Systems

BD SoloMed™ 2-piece syringes with breakable plunger

Description	Tip	Scale	Box content units	Item number
2 ml Luer Slip	Concentric	0.1 ml	100	302654
5 ml Luer Slip	Eccentric	0.2 ml	100	302655
10 ml Luer Slip	Eccentric	0.5 ml	100	302758

BD SoloMed™ 2-piece syringes with breakable plunger and needles packed aside

Description	BD Microlance™ Needle Dimensions	Box content units	Item number
2 ml Luer Slip	25G 5/8" - 0.5 x 16 mm	100	302650
2 ml Luer Slip	24G 1" - 0.55 x 25 mm	100	302692
2 ml Luer Slip	23G 1" - 0.6 x 25 mm	100	302640
2 ml Luer Slip	23G 1 1/4" - 0.6 x 30 mm	100	302690
5 ml Luer Slip	23G 1" - 0.6 x 25 mm	100	302642
5 ml Luer Slip	23G 1 1/4" - 0.6 x 30 mm	100	302696
5 ml Luer Slip	22G 1 1/4" - 0.7 x 30 mm	100	302695
5 ml Luer Slip	21G 1 1/2" - 0.8 x 40 mm	100	302658
10 ml Luer Slip	21G 1 1/2" - 0.8 x 40 mm	100	302761

BD SoloMed™ 3-piece syringes with breakable plunger

Description	Tip	Scale	Box content units	Item number
3 ml Luer Slip	Concentric	0.1 ml	100	302672
5 ml Luer Slip	Eccentric	0.2 ml	100	302678
10 ml Luer Slip	Eccentric	0.5 ml	100	302683

BD SoloMed™ 3-piece syringes with breakable plunger

Description	Tip	Scale	Box content units	Item number
3 ml BD Luer-Lok™	Concentric	0.1 ml	100	302656
5 ml BD Luer-Lok™	Concentric	0.2 ml	100	302657
10 ml BD Luer-Lok™	Concentric	0.5 ml	100	302684

BD SoloMed™ 3-piece syringes with breakable plunger and needle packed aside

Description	BD Microlance™ Needle Dimensions	Box content units	Item number
3 ml Luer Slip	25G 5/8" - 0.5 x 16 mm	100	302707
3 ml Luer Slip	23G 1 1/4" - 0.6 x 30 mm	100	302708
3 ml Luer Slip	22G 1 1/2" - 0.7 x 40 mm	100	302607
5 ml Luer Slip	23G 1 1/4" - 0.6 x 30 mm	100	302711
5 ml Luer Slip	21G 1 1/2" - 0.8 x 40 mm	100	302709
10 ml Luer Slip	21G 1 1/2" - 0.8 x 40 mm	100	302721

BD SoloMed™ 3-piece syringes with breakable plunger and needle packed aside

Description	BD Microlance™ Needle Dimensions	Box content units	Item number
3 ml BD Luer-Lok™	25G 5/8" - 0.5 x 16 mm	100	302644
3 ml BD Luer-Lok™	23G 1" - 0.6 x 25 mm	100	302641
3 ml BD Luer-Lok™	23G 1 1/4" - 0.6 x 30 mm	100	302704
3 ml BD Luer-Lok™	22G 1 1/2" - 0.7 x 40 mm	100	302718
5 ml BD Luer-Lok™	23G 1" - 0.6 x 25 mm	100	302643
5 ml BD Luer-Lok™	23G 1 1/4" - 0.6 x 30 mm	100	302742
5 ml BD Luer-Lok™	21G 1 1/2" - 0.8 x 40 mm	100	302645
10 ml BD Luer-Lok™	21G 1 1/2" - 0.8 x 40 mm	100	302729

BD SoloMed™ 3-piece syringes with breakable plunger and safety needle shield*

Description	Tip	Scale	Box content units	Item number
3 ml Luer Slip	Concentric	0.1 ml	100	302674
5 ml Luer Slip	Eccentric	0.2 ml	100	302680
10 ml Luer Slip	Eccentric	0.5 ml	100	302686

BD SoloMed™ 3-piece syringes with breakable plunger and safety needle shield with mounted needles*

Description	BD Microlance™ Needle Dimensions	Box content units	Item number
3 ml Luer Slip	22G 1½" - 0.7 x 40 mm	100	302712
3 ml Luer Slip	23G 1¼" - 0.6 x 30 mm	100	302713
5 ml Luer Slip	21G 1" - 0.8 x 25 mm	100	302682
5 ml Luer Slip	21G 1½" - 0.8 x 40 mm	100	302715
10 ml Luer Slip	21G 1½" - 0.8 x 40 mm	100	302688

BD SoloMed™ 3-piece syringes with breakable plunger and safety needle shield*

Description	Tip	Scale	Box content units	Item number
3 ml BD Luer-Lok™	Concentric	0.1 ml	100	302673
5 ml BD Luer-Lok™	Concentric	0.2 ml	100	302679
10 ml BD Luer-Lok™	Concentric	0.5 ml	100	302685

BD SoloMed™ 3-piece syringes with breakable plunger and safety needle shield with mounted needles*

Description	BD Microlance™ Needle Dimensions	Box content units	Item number
3 ml BD Luer-Lok™	25G 5⁄8" - 0.5 x 16 mm	100	302478
3 ml BD Luer-Lok™	23G 1" - 0.6 x 25 mm	100	302775
5 ml BD Luer-Lok™	23G 1¼" - 0.6 x 30 mm	100	302773
5 ml BD Luer-Lok™	23G 1½" - 0.6 x 40 mm	100	302469
5 ml BD Luer-Lok™	22G 1½" - 0.7 x 40 mm	100	302468
5 ml BD Luer-Lok™	21G 1½" - 0.8 x 40 mm	100	302467
10 ml BD Luer-Lok™	21G 1½" - 0.8 x 40 mm	100	302639

BD SoloShot™ IX - Auto-disable syringe with integrated needle

Description	Needle Dimensions	ISO Colour Code	Box content units	Item number
0.5 ml	23G 1" - 0.6 x 25 mm	Blue	200	301860
0.5 ml	24G ¾" - 0.55 x 19 mm	Violet	200	301889
0.5 ml	25G 1" - 0.5 x 25 mm	Orange	200	301865
0.5 ml	25G 5⁄8" - 0.5 x 16 mm	Orange	200	301887
1.0 ml	22G 1" - 0.7 x 25 mm	Black	200	301888*

BD SoloShot™ LX - BCG Auto-disable syringe with integrated needle

Description	Needle Dimensions	Box content units	Item number
0.05 ml	27G 3⁄8" - 0.4 x 10 mm	100	301792
0.1 ml	27G 3⁄8" - 0.4 x 10 mm	100	301793
0.05 ml - 0.10 ml combo	27G 3⁄8" - 0.4 x 10 mm	100	303212

BD™ Hub Cutter

Description	Fill capacity	Box content units	Item number
BD™ Hub Cutter for hypodermic needles	in average 400-600 needles	32	305307
BD™ Hub Cutter for hypodermic needles (Russian Label)	in average 400-600 needles	32	305309

* Please contact your local sales representative for product availability.



BD Venflon™ Pro Safety - see page 42



BD Insyte™ Autoguard™ and BD Insyte™ Autoguard™ Winged - see page 45



BD Insyte-N™ Autoguard™ - see page 48



BD Saf-T-Intima™ and BD Saf-T-Intima™ Y - see page 50



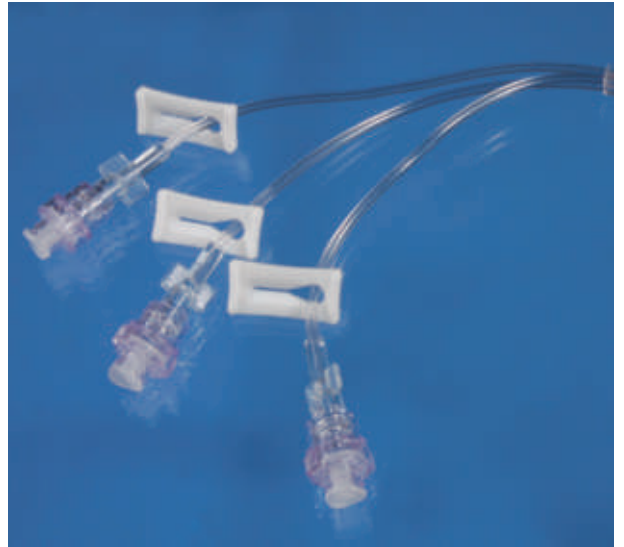
BD Nexiva™ Standard Version - see page 51



BD Nexiva™ with BD Connecta™ Q-Syte™ Stopcock Version - see page 52



BD Q-Syte™ - see page 54



BD Q-Syte™ Extension Sets - see page 55



BD Connecta™ Stopcock with BD Q-Syte™ - see page 55

Infusion Therapy

BD Venflon™ Pro Safety

Gauge Catheter	Length mm	Catheter O.D. mm	Catheter I.D. mm	Colour	Box content units	Item number
22G	25	0.9	0.6	Blue	50	393222
20G	32	1.1	0.8	Pink	50	393224
18G	32	1.3	1.0	Green	50	393226
18G	45	1.3	1.0	Green	50	393227
17G	45	1.5	1.2	White	50	393228
16G	45	1.8	1.4	Grey	50	393229
14G	45	2.0	1.6	Orange	50	393230

BD Insyte™ Autoguard™ and BD Insyte™ Autoguard-W™

Gauge Catheter	Length mm	Catheter ext. diameter mm	Colour	Box content units	BD Insyte™ Autoguard™ without wings Item Number	BD Insyte™ Autoguard™ Winged Item Number
24G	19	0.7	Yellow	50	381812	381912
22G	25	0.9	Blue	50	381823	381923
20G	51	1.1	Pink	50	381837	381937
20G	32	1.1	Pink	50	381834	381934
18G	51	1.3	Green	50	381847	381947
18G	32	1.3	Green	50	381844	381944
16G	51	1.7	Grey	50	381857	381957
14G	51	2.1	Orange	50	381867	-

BD Insyte-N™ Autoguard™

Gauge Catheter	Length mm	Catheter ext. diameter mm	Colour	Box content units	Item number
24G	14	0.7	Yellow	50	381811
24G with wings	14	0.7	Yellow	50	381911

BD Saf-T-Intima™ and BD Saf-T-Intima™ Y

Gauge Catheter	Length mm	Catheter ext. diameter mm	Colour	Box content units	BD Saf-T-Intima™ Item number	BD Saf-T-Intima™ Y Item number
24G	19	0.7	Yellow	25	383312	383313
22G	19	0.8	Blue	25	383322	383323
20G	25	1.1	Pink	25	383335	383336
18G	25	1.3	Green	25	-	383346

BD Nexiva™ Standard Version

Gauge Catheter	Length mm	Colour	Flow Rate H ₂ O (ml/min)	Flow Rate H ₂ O (ml/h)	Flush Volume	Units (Box/Case)	Current Item Number
24	14	Yellow	14	840	0,4	20/80	383640
24	19	Yellow	13	780	0,4	20/80	383641
22	25	Blue	27	1620	0,4	20/80	383642
20	25	Pink	54	3240	0.5	20/80	383646
20	32	Pink	52	3120	0.5	20/80	383647
20	45	Pink	48	2880	0.5	20/80	383648
18	32	Green	84	5040	0.5	20/80	383649
18	45	Green	78	4680	0.5	20/80	383650

BD Nexiva™ with Single BD Connecta™ Stopcock Version

Gauge Catheter	Length mm	Colour	Flow Rate H ₂ O (ml/min)	Flow Rate H ₂ O (ml/h)	Flush Volume	Units (Box/Case)	Item Number
24	14	Yellow	16	960	0,6	20/80	383680
24	19	Yellow	15	900	0,6	20/80	383681
22	25	Blue	30	1800	0,6	20/80	383682
20	25	Pink	52	3120	0.8	20/80	383686
20	32	Pink	50	3000	0.8	20/80	383687
20	45	Pink	46	2760	0.8	20/80	383688
18	32	Green	78	4680	0.8	20/80	383689
18	45	Green	74	4440	0.8	20/80	383690

BD Nexiva™ with BD Connecta™ Q-Syte™ Stopcock Version

Gauge Catheter	Length mm	Colour	Flow Rate H ₂ O (ml/min)	Flow Rate H ₂ O (ml/h)	Flush Volume	Units (Box/Case)	Item Number
24	14	Yellow	16	960	0,6	20/80	383660
24	19	Yellow	15	900	0,6	20/80	383661
22	25	Blue	30	1800	0,6	20/80	383662
20	25	Pink	52	3120	0.8	20/80	383666
20	32	Pink	50	3000	0.8	20/80	383667
20	45	Pink	46	2760	0.8	20/80	383668
18	32	Green	78	4680	0.8	20/80	383669
18	45	Green	74	4440	0.8	20/80	383670

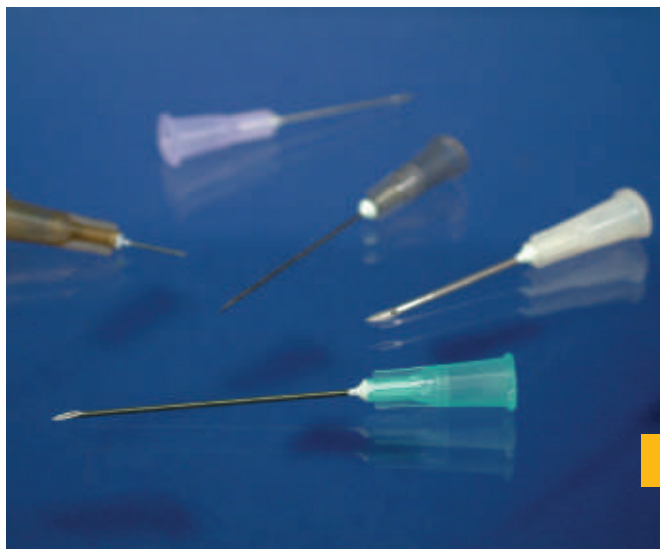
BD Q-Syte™

Description	Priming Volume (ml)	Flow Rate (ml/min.)	Box content units	Item number
BD Q-Syte™ Stand Alone	0.1	525	50	385100
BD Q-Syte™ Standard Bore Extension	1.14	445	25	385101
BD Q-Syte™ Micro Bore Extension	0.21	49	50	385102

BD Q-Syte™ Extension Sets

Description	Priming Volume (ml)	Flow Rate (ml/min.)	Box content units	Item number
BD Q-Syte™ Bi-Extension Set 15 cm Macro Bore	1.6	445	50	385161
BD Q-Syte™ Tri-Extension Set 15 cm Macro Bore	2.25	445	50	385162
BD Q-Syte™ Bi-Extension Set 15 cm Small Bore	0.45	49	50	385163
BD Q-Syte™ Tri-Extension Set 15 cm Small Bore	0.8	49	50	385164
BD Connecta™ Stopcock with BD Q-Syte™	0.31	490/390	50	394501
BD Q-Syte™ Vial Access Adapter	0.1	525	25	385108

INJECTION SYSTEMS



HYPODERMIC NEEDLES

BD Microlance™

Sterile, single use

Gauge	Needle Length	Needle ext. diameter	Wall	Bevel	Colour code	Box content units	Case content units	Item number
16G	40 mm (1½")	1.6 mm	Regular	Regular	White	100	5000	300637
18G	40 mm (1½")	1.25 mm	Thin	Short	Pink	100	5000	304622
18G	50 mm (2")	1.25 mm	Regular	Short	Pink	100	4000	301900
19G	25 mm (1")	1.1 mm	Thin	Regular	Cream	100	5000	301700
19G	40 mm (1½")	1.1 mm	Thin	Regular	Cream	100	5000	301500
19G	50 mm (2")	1.1 mm	Thin	Regular	Cream	100	4000	301750
20G	25 mm (1")	0.9 mm	Thin	Regular	Yellow	100	5000	304827
20G	40 mm (1½")	0.9 mm	Thin	Regular	Yellow	100	5000	301300
21G	16 mm (⅝")	0.8 mm	Thin	Regular	Green	100	5000	304434
21G	25 mm (1")	0.8 mm	Thin	Regular	Green	100	5000	301156
21G	40 mm (1½")	0.8 mm	Thin	Regular	Green	100	5000	304432
21G	50 mm (2")	0.8 mm	Regular	Regular	Green	100	4000	301155
22G	25 mm (1")	0.7 mm	Thin	Regular	Black	100	5000	304727
22G	30 mm (1¼")	0.7 mm	Thin	Regular	Black	100	5000	300900
22G	40 mm (1½")	0.7 mm	Thin	Regular	Black	100	5000	301000
22G	50 mm (2")	0.7 mm	Regular	Regular	Black	100	4000	300094
23G	25 mm (1")	0.6 mm	Thin	Regular	Blue	100	5000	300800
23G	30 mm (1¼")	0.6 mm	Thin	Regular	Blue	100	5000	300700
24G	25 mm (1")	0.55 mm	Regular	Regular	Violet	100	5000	304100
25G	16 mm (⅝")	0.5 mm	Regular	Regular	Orange	100	5000	300600
25G	25 mm (1")	0.5 mm	Regular	Regular	Orange	100	5000	300400
26G	13 mm (½")	0.45 mm	Regular	Regular	Brown	100	5000	303800
26G	10 mm (⅜")	0.45 mm	Regular	Intradermal	Brown	100	5000	300300
26G	16 mm (⅝")	0.45 mm	Regular	Regular	Brown	100	5000	304300
27G	13 mm (½")	0.4 mm	Regular	Regular	Grey	100	5000	300635
27G	19 mm (¾")	0.4 mm	Regular	Regular	Grey	100	5000	302200
30G	13 mm (½")	0.29 mm	Regular	Regular	Yellow	100	5000	304000

Bevel

The bevel design is based on the latest technology. In-vitro and in-vivo studies have demonstrated excellent penetration performances.

Thin walls

Permitting the use of thinner needles with larger lumen thus increasing flow rates during injection and collection.

BD Microlance™ can be connected to a Luer adapter or Luer Lock connector. Adapter and colour coding in compliance with ISO standards.

Type of materials

- Hub and needle shield: Polypropylene
- Pointed cannula: Stainless steel (AISI 304)
 - Adhesive: Epoxy resin
 - Lubricant: Silicone oil
 - Packaging materials: Uncoated paper (medical grade 60gr/cm²) and transparent blister film (PE/PA)

Recommended uses

- Intradermal, Subcutaneous, Intramuscular, Intravenous injection and aspiration.

Sterilisation method

- Ethylene oxide

- CE Marked



FILL NEEDLES

BD™ Universal Fill Needles

Description	Gauge and Length	Colour code	Box content units	Item number
BD™ Blunt Fill Needle	18G x 1½"	Red	100	305180
BD™ Blunt Fill Needle with 5 micron filter	18G x 1½"	Red	100	305211

Description

- Fill Needle with blunt tip
- Unique 45° bevel avoids coring and prevents from needle stick.
- Red hub and shield for easy identification as fill needle.
- Also available with 5 micron filter for effective filtration of glass, metal, rubber and other contaminant particles.

Sterilisation method

- Gamma Irradiation
- CE marked

BD Nokor™ Admix Needles

Description	Gauge and Length	Colour code	Box content units	Item number
BD Nokor™ Admix microthin wall	18G x 1½"	Pink	100	300779
BD Nokor™ Admix microthin wall	16G x 1"	Purple	100	300780

Description

- BD Nokor™ Needles scalpel-like tip glides through vial stopper quickly and easily. It also allows use of a large gauge needle for fast medication preparation without the risk of coring.
- Avoids foaming by directing fluid towards the side of the vial.

Sterilisation method

- Gamma Irradiation
- CE marked



2-PIECE SYRINGES

BD Discardit™

Sterile, single use

BD Discardit™ 2-piece syringes

Description	Tip	Scale	Box content units	Case content units	Item number
2 ml Luer Slip	Concentric	0.1 ml	100	3000	300928
5 ml Luer Slip	Eccentric	0.2 ml	100	1800	309050
10 ml Luer Slip	Eccentric	0.5 ml	100	1200	309110
20 ml Luer Slip	Eccentric	1 ml	80	960	300296

BD Discardit™ 2-piece syringes with BD Microlance™ needle packed aside

Description	BD Microlance™ Needle Gauge & Length	Box content units	Case content units	Item number
2 ml Luer Slip	21G 1½" (0.8 x 40mm)	100	3000	300318
2 ml Luer Slip	22G 1¼" (0.7 x 30mm)	100	3000	300320
2 ml Luer Slip	22G 1½" (0.7 x 40mm)	100	3000	300321
2 ml Luer Slip	23G 1" (0.6 x 25mm)	100	3000	300322
2 ml Luer Slip	23G 1¼" (0.6 x 30mm)	100	3000	300323
5 ml Luer Slip	22G 1½" (0.7 x 40mm)	100	1800	300506
5 ml Luer Slip	21G 1½" (0.8 x 40mm)	100	1800	300512
5 ml Luer Slip	22G 1¼" (0.7 x 30mm)	100	1800	300513
5 ml Luer Slip	23G 1¼" (0.6 x 30mm)	100	1800	300516
10 ml Luer Slip	22G 1¼" (0.7 x 30mm)	100	1200	300626
10 ml Luer Slip	21G 1½" (0.8 x 40mm)	100	1200	301001
10 ml Luer Slip	22G 1½" (0.7 x 40mm)	100	1200	301504
20 ml Luer Slip	21G 1½" (0.8 x 40mm)	80	960	300330

Description

- Clear barrel for perfect visualisation of syringe contents
- Smooth plunger movement - reduced sliding force
- Leak-tight: BD Discardit™ syringes are tested during manufacture in compliance with ISO 7886-1
- Accuracy and safety: transparent barrel
- Scale marking: accurate graduation suited to user's needs
- Retaining ring: prevent accidental plunger rod withdrawal
- Design of finger grip flanges ensures stability and comfort during injection
- Ergonomically designed plunger for single-handed operation.

Type of materials

- Barrel: Polypropylene
- Plunger: Polyethylene
- Individually (blister) packed: Paper (medical grade 60gr/cm²), plastic film (polyethylene/polyamide)

Sterilisation method

- Ethylene oxide
- CE Marked



3-PIECE SYRINGES

BD Plastipak™ - 2, 3, 5, 10 ml

Sterile, single use

BD Plastipak™ Luer Slip syringes without needle

Description	Tip	Scale	Box content units	Case content units	Item number
2 ml* Luer Slip	Concentric	0.1 ml	100	800	300185
5 ml Luer Slip	Concentric	0.2 ml	100	400	302187
10 ml Luer Slip	Eccentric	0.5 ml	100	400	302188

BD Luer-Lok™ syringes without needle

Description	Tip	Scale	Box content units	Case content units	Item number
3 ml BD Luer-Lok™	Concentric	0.1 ml	100	800	300910
5 ml BD Luer-Lok™	Concentric	0.2 ml	100	400	300911
10 ml BD Luer-Lok™	Concentric	0.2 ml	100	400	300912

BD Plastipak™ syringes with mounted needle

Description	BD Microlance™ Needle Dimension	Box content units	Case content units	Item number
2 ml* Luer Slip	25G x 5/8" - 0.5 x 16mm	100	800	300190
2 ml* Luer Slip	23G x 1" - 0.6 x 25 mm	100	800	300189
2 ml* Luer Slip	22G x 1 1/4" - 0.7 x 30 mm	100	800	300188
2 ml* Luer Slip	21G x 1 1/2" - 0.8 x 40 mm	100	800	300187
5 ml Luer Slip	22G x 1 1/4" - 0.7 x 30 mm	100	400	308062
5 ml Luer Slip	21G x 1 1/2" - 0.8 x 40 mm	100	400	308063
10 ml Luer Slip	21G x 1 1/2" - 0.8 x 40 mm	100	400	308027

*The 2 ml syringes are graded to 2.5 ml

General Description

- Latex free stopper: eliminates completely the risk of allergic reactions to latex.
- Clear barrel for perfect visualisation of syringe contents.
- Bold scale printing for a more accurate dosage of medication.
- Special silicone lubrication ensures that plunger moves smoothly and evenly.
- Retaining ring: prevents accidental plunger rod withdrawal

Syringes with mounted needle

Compact "syringe plus needle" unit provides all the benefits of a BD Plastipak™ syringe and a BD Microlance™ needle at the same time:

- Pre-assembled syringe plus needle in a single pack simplifies injections by reducing the number of procedures and thereby reduces costs.

Type of materials

- Barrel and plunger: Polypropylene
- Plunger stopper: Synthetic rubber (Latex free)
- Lubricant: Silicone oil
- Needles: see BD Microlance™
- Packaging materials: Blister film, medical grade paper and corrugated cardboard

Sterilisation method

- Ethylene oxide except BD Luer-Lok™ syringes
- BD Luer-Lok™ syringes sterilised by Gamma irradiation
- CE Marked



INJECTION ACCESSORIES

BD™ Tip Cap Tray

Sterile, single use

BD™ Tip Cap Tray

Description	Box content units	Case content units	Item number
Luer Tip Cap (Tray of 10)*	500	2000	308341

*For additional caps and plugs please see page 62

General Description

- Latex-free caps for ease of application.
- Designed to minimize touch-contamination risk.
- Tray packaging reduces waste compared to single-sterile caps.
- For Luer Lock and Luer Slip connections.

Sterilisation method

- Ethylene oxide
- CE Marked



PRECISION SYRINGES

BD Plastipak™ - 1 ml

Sterile, single use

BD™ Syringes without needle

Description	Tip	Scale	Box content units	Case content units	Item number
1 ml Tuberculin /Allergy	Concentric	0.01 ml	100	800	300013
1 ml BD Luer-Lok™	Concentric	0.01 ml	100	800	309628
1 ml Insulin Syringe U-40	Concentric	U-40	100	800	300026
1 ml Insulin Syringe U-100	Concentric	U-100	100	800	301355

BD™ Syringes with mounted needle

Description	Scale	BD Microlance™ Needle Dimensions	Bevel	Box content units	Case content units	Item number
1 ml	0.01ml	26G x 3/8" - 0.45 x 10 mm	Intradermal	100	800	300015
1 ml	0.01ml	25G x 5/8" - 0.5 x 16 mm	Regular	100	800	300014
1 ml Insulin Syringe U-40	U-40	30G x 1/2" - 0.29 x 13 mm	Regular	100	800	300334

BD™ Syringes with inserted needle

Description	Scale	BD Microlance™ Needle Dimensions	Bevel	Box content units	Case content units	Item number
1 ml test	0.01ml	27G x 3/8" - 0.4 x 10 mm	Intradermal	100	500	305502
1 ml Sub-Q	0.01ml	26G x 1/2" - 0.45 x 13 mm	Regular	100	500	305501

Syringes with inserted needle

A new concept based on BD research. "Syringes without dead space" which:

- Minimize the formation of air bubbles
- Prevent any risk of detachment of needle
- Ensure administration of full dose

Syringes with mounted needle

Compact "syringe plus needle" unit provides all the benefits of a BD Plastipak™ syringe and a BD Microlance™ needle at the same time:

- Pre-assembled syringe plus needle in a single pack simplifies injections by reducing the number of procedures and thereby reduces costs.

Type of materials

- Barrel and plunger: Polypropylene
- 1 ml BD Luer-Lok™ made of polycarbonate
- Plunger stopper: Synthetic rubber (latex free)
- Lubricant: Silicone oil
- Needles: see BD Microlance™

Sterilisation method

- Ethylene oxide except BD Luer-Lok™
- BD Luer-Lok™ syringes sterilised by Gamma irradiation
- CE Marked



HIGH CAPACITY SYRINGES

BD Plastipak™ - 20, 30, 50, 100 ml

Sterile, single use

BD Plastipak™ 20, 30 and 100 ml syringes

Description	Tip	Scale - Graduation	Box content units	Case content units	Item number
20 ml Luer Slip	Eccentric	1 ml	120	480	300613
20 ml BD Luer-Lok™	Concentric	1 ml	120	480	300629
30 ml Luer Slip	Eccentric	1 ml	60	240	301231
30 ml BD Luer-Lok™	Concentric	1 ml	60	240	301229
100 ml	Catheter Tip with Luer Adapter	1 ml	25	50	300605

BD Plastipak™ 20 ml syringes with needle packed aside

Description	BD Microlance™ Needle Dimensions	Scale - Graduation	Box content units	Case content units	Item number
20 ml	21G x 1½" - 0.8 x 40 mm	1 ml	60	240	301190

BD Plastipak™ & BD™ Perfusion 50 ml syringes

Description	Tip	Scale - Graduation	Box content units	Case content units	Item number
50 ml Luer Slip	Eccentric	1 ml	60	240	300866
50 ml BD Luer-Lok™	Concentric	1 ml	60	240	300865
50 ml	Catheter Tip	1 ml	60	240	300867
50 ml Perfusion, BD Luer-Lok™	Concentric	1 ml	50	100	300137
50 ml Amber, BD Luer-Lok™	Concentric	1 ml	60	240	300869
50 ml Perfusion, Amber, BD Luer-Lok™	Concentric	1 ml	50	100	300139

BD™ Perfusion 50 ml syringes with mounted needle

Description	BD Microlance™ Needle Dimensions	Scale - Graduation	Box content units	Case content units	Item number
50 ml, BD Luer-Lok™	14G x 1¼"	1 ml	50	100	300136
50 ml Amber, BD Luer-Lok™	14G x 1¼"	1 ml	50	100	300138

General Description

- Leak-tight (locking facility on BD Luer-Lok™ syringes). Gradual and controlled movement of plunger.
- BD Luer-Lok™ - needle hub or extension line can be safely locked on the syringe.
- Accuracy and safety of use: transparent body.
- Eccentric tip: reduces dead space when using large capacity syringe.
- Catheter tip: permits attachment of a probe or other tubing.
- 100 ml syringes: catheter tip with potential to change into Luer tip via an adapter.
- Latex free

Specific Description of 50 ml opaque syringe

- 50 ml opaque syringe for guaranteed protection of photosensitive drugs: stops 90% of light rays between 290-450 nm UV wave length.

Recommended uses

- 50 ml syringes are particularly suitable for automatic infusion equipment: syringe-drivers, pumps, etc... They have been approved for use with leading brands of syringe-driver.

Type of materials : see BD Plastipak™

Sterilisation method

- Ethylene oxide

- CE Marked



OPAQUE and CLEAR ORAL SYRINGES

BD™ Oral Syringes

Non Sterile, single use

Description	Scale	Case content units	Item number
1 ml Amber	0.02 ml	500	305207
3 ml Amber	0.1 ml	500	305210
5 ml Amber	0.2 ml	500	305208
10 ml Amber	0.2 ml	500	305209
1 ml	0.02 ml	500	305217
3 ml	0.1 ml	500	305220
5 ml	0.2 ml	500	305218
10 ml	0.2 ml	500	305219

Description

Oral syringes with an oversized (non-luer) tip to prevent connection to IV access lines and mounting of hypodermic needles, thus reducing the risk of parenteral administration of oral medications.

- Amber coloured syringe protects light sensitive drugs.
- BD™ oral syringes supplied with leak-tight cap to prevent loss of the medication contained in the syringe after preparation.

Recommended uses

- Specially designed for oral administration of drugs or fluids in drinkable form.
- BD™ oral syringes provide the essential safety needed for the central preparation of unit doses.
- Paediatric and geriatric departments

Type of materials

- Barrel and plunger: Polypropylene
- Plunger stopper: Synthetic rubber (latex free)
- Lubricant: Silicone oil
- Protective cap: Polypropylene
- CE Marked



* Average reflux as measured in 4Fr PICC; data on file at BD.

PREFILLED FLUSHING DEVICES

BD™ Saline

Single use

BD™ Saline - Sterile Fluid Path

Description	Box content units	Item number
3 ml BD™ Saline SP	30	306573
5 ml BD™ Saline SP	30	306574
10 ml BD™ Saline SP	30	306575

BD™ Saline - EXternally Sterile

Description	Box content units	Item number
3 ml BD™ Saline XS	30	306570
5 ml BD™ Saline XS	30	306571
10 ml BD™ Saline XS	30	306572

Description

- Prefilled flushing devices containing Sodium Chloride (isotonic NaCl 0.9%).
- Specially designed for flushing in-situ vascular access devices.
- Special design of syringe barrel - 3 ml and 5 ml syringe sizes have the same barrel diameter as the 10 ml syringe in order to assure a standardized pressure during the flushing process.
- BD Luer-Lok™ tip for secure connection to the catheter.
- BD™ Saline syringes are designed to eliminate syringe-induced blood reflux enhancing catheter maintenance protocols.
- Size and shape of the tip cap allow easy handling, and helps avoiding touch contamination of the syringe Luer connection.
- Eliminates the use of needles, thus reducing the potential for accidental needle stick injuries.
- BD™ Saline XS can be used on a sterile field.
- BD™ Saline SP must not be used on a sterile field.

Type of material

Saline composition:

- Sterile, non pyrogenic, isotonic NaCl 0.9%

Syringe barrel and tip cap:

- Specially formulated proprietary polypropylene resin

Stopper:

- Latex free bromobutyl formulation
- Silicone lubricant - medical grade silicone oil

Plunger:

- Polypropylene

BD™ Saline XS

- Blister pack: Polypropylene polyamide film, medical grade paper.
- Box: corrugated cardbox

BD™ Saline SP:

- Pouch: plastic film, flow wrap
- Box: LPDE tub

Shelf life

- 3 years

- CE marked
- Terminally steam sterilized - sterility assurance level of 10⁻⁶



SAFETY NEEDLES

BD Eclipse™

Sterile, single use

BD Eclipse™ needles with BD SmartSlip™ technology

Needle Dimensions	Box content units	Item number
30G 1/2" - 0.29 x 13 mm	100	305771
27G 1/2" - 0.4 x 13 mm	100	305770
25G 5/8" - 0.5 x 16 mm	100	305760
23G 1" - 0.6 x 25 mm	100	305892
21G 1 1/2" - 0.8 x 40 mm	100	305895
21G 1" - 0.8 x 25 mm	100	305894
20G 1 1/2" - 0.9 x 40 mm	100	305888*
20G 1" - 0.9 x 25 mm	100	305899

*Product will become available Nov/Dec 2009. Please contact your local sales representative for product availability.

BD Eclipse™ needle with BD Luer-Lok™ syringes

Description	Needle Dimensions	Box content units	Item number
1 ml	27G 1/2" - 0.4 x 13 mm	50	305789
3 ml	25G 5/8" - 0.5 x 16 mm	50	305781
3 ml	23G 1" - 0.6 x 25 mm	50	305782
3 ml	22G 1 1/2" - 0.7 x 40 mm	50	305783
3 ml	21G 1 1/2" - 0.8 x 40 mm	50	305784
5 ml	22G 1 1/2" - 0.7 x 40 mm	50	305785
10 ml	22G 1 1/2" - 0.7 x 40 mm	50	305786

BD Eclipse™ - a pivoting needle is the latest addition to the BD safety injection family, complementing BD's existing needle-based portfolio.

Description

- Patented BD SmartSlip™ technology especially designed for safe assembling of BD Eclipse™ to luer syringes.
- Bevel oriented to the safety cover to allow low angle injections.
- Activates with one finger stroke - no hard surface required.
- Minimal change in technique.
- No excess dead space - minimal medication waste.
- Needle-based design facilitates standardisation.
- Audible click indicates safety activation.
- Needle remains safely locked inside activated cover.
- Single-handed activation.

Patient Care

- Activation occurs after needle is withdrawn.
- BD Microlance™ needles minimise injection pain.

Sterilisation method

- Ethylene oxide
- Item number 305789: Gamma Irradiation

Safety

- Audible click confirms safety assembled needle for safe injection with luer syringes.
- Safety activation immediately follows injection.
- Wide, textured finger pad for thumb or forefinger.
- CE marked



SAFETY NEEDLES and SYRINGES

BD SafetyGlide™

BD SafetyGlide™ needle with BD Luer-Lok™ syringe

Description	Needle Dimensions	Box content units	Item number
3 ml	25G $\frac{5}{8}$ " - 0.5 x 16 mm	50	305904
3 ml	23G 1" - 0.6 x 25 mm	50	305905
5 ml	22G $1\frac{1}{2}$ " - 0.7 x 25 mm	50	305907
10 ml	22G $1\frac{1}{2}$ " - 0.7 x 25 mm	50	305908

Description

- Low profile safety mechanism remains discretely out of the way before and during injection.
- Patented BD Activation Assist™ technology ensures quick coverage of the needle by a single finger stroke immediately after injection.
- Minimal change in technique.
- "Bevel up" design eliminates safety-arm interference to facilitate low angle injections.
- No excess dead space - minimal medication waste.
- Needle-based design facilitates standardisation.

BD SafetyGlide™ syringes with integrated needle

Description	Needle Dimensions	Box content units	Item number
1 ml	27G $\frac{1}{2}$ " - 0.4 x 13 mm	100	305945
1 ml	26G $\frac{3}{8}$ " - 0.45 x 10 mm	100	305946

BD SafetyGlide™ syringes complement BD's safety injection family with the Tiny Needle Technology (TNT) to the most versatile safety injection technology

Description

- Minimal change in technique.
- Rotating safety arm eliminates interference during drawing up and facilitates low angle injections.
- Permanently attached needle means minimal waste space.
- 26G and 27G needles perform a variety of subcutaneous and intradermal applications.

BD SafetyGlide™ syringes and needles

Safety

- Safety activation immediately follows injection.
- Needle is safely protected after shielding.
- Single-handed activation.

Sterilisation method

- Gamma Irradiation
- CE marked

Patient Care

- Activation occurs after needle is withdrawn.
- BD Microlance™ needles minimise injection pain.



SAFETY SYRINGES

BD Integra™

BD Integra™ syringe with retracting BD PrecisionGlide™* needle

Description	Box content units	Item number
3 ml syringe with detachable 25G x 5/8" needle	100	305269
3 ml syringe with detachable 25G x 1" needle	100	305270
3 ml syringe with detachable 23G x 1" needle	100	305271
3 ml syringe with detachable 22G x 1 1/2" needle	100	305272
3 ml syringe with detachable 21G x 1" needle	100	305273
3 ml syringe with detachable 21G x 1 1/2" needle	100	305274

BD Integra™ syringe

Description	Box content units	Item number
3 ml syringe only	100	305283

BD Integra™ retracting needles

Needle Dimensions	Box content units	Item number
25G x 5/8" - 0.5 x 16 mm	100	305310
25G x 1" - 0.5 x 25 mm	100	305311
23G x 1" - 0.6 x 25 mm	100	305312
22G x 1 1/2" - 0.7 x 40 mm	100	305313

BD Integra™ blunt, non-retracting needles

Needle Dimensions	Box content units	Item number
18G x 1 1/2" - 1.25 x 40 mm	100	305275
18G x 1 1/2" - 1.25 x 40 mm with 5 micron filter	100	305833

BD Integra™ syringe with retracting needle combines innovative technology with BD quality and comfort.

Description

- Spring based retracting syringe with detachable needle.
- Unique non-luer thread design - BD Tru-Lok™ of the BD Integra™ detachable needle provides:
 - Low waste space (0.026 ml against conventional syringe dead space of 0.092 ml) - reduced medication waste
 - Secure connection
- Activation of retracting needle before or after needle is withdrawn from the patient - clinician takes the decision.
- Complete dosing ensured prior to activation.
- No change in technique.
- BD Integra™ blunt needle allows change of needle for aspiration and administration.

Safety

- Safety activation immediately follows injection.
- Needle is completely retracted into the syringe barrel.

Patient Care

- Syringe and needle cannot be reused.
- BD PrecisionGlide™* needle minimises injection pain.

* BD Precision Glide™ is the US brand for hypodermic needles corresponding to the European brand BD Microlance™.

Next Generation



SHARPS DISPOSAL SYSTEMS

BD™ Sharps Containers, Brackets & Accessories

Single use

Product	Nominal Capacity (Litre)	Usable Capacity (Litre)	Box content units	Item number
0.45 L Sharps Container	0.45 L	0.36 L	100	302434
0.87 L Sharps Container	0.87 L	0.7 L	50	367202
1.5 L Sharps Container	1.5 L	1.2 L	40	305624
3.0 L Sharps Container	3.0 L	2.4 L	25	305625
5.0 L Sharps Container	5.0 L	4.0 L	20	305626
7.0 L Sharps Container	7.0 L	5.6 L	16	305627
22.7 L Sharps Container	22.7 L	18.2 L	12	300479

Brackets Supports & Accessories	Description	Box content units	Item number
0.87 L Metal Cup Bracket	Metal cup bracket for placement on horizontal surfaces.	12	305970
0.45 L Desktop Bracket	Plastic bracket for placement on horizontal surfaces.	12	305964
1.5 L Desktop Bracket	Multipurpose metal bracket suitable for placement on horizontal surfaces, secure wall mounting and fastened to a rail with the use of an adaptor.	6	305645
3.0 L Desktop Bracket		6	305250
5.0 L Desktop Bracket		6	305253
7.0 L Desktop Bracket		6	305255
1.5 L Hanging Bracket	Metal bracket suitable for attaching to medication carts.	6	305710
3.0 L Hanging Bracket		6	305251
5.0 L Hanging Bracket		6	305252
7.0 L Hanging Bracket		6	305254
Universal Adaptor (small)	Suitable for attaching all desktop brackets to rails or countertops for space saving efficiency.	6	305636
Universal Adaptor (large)		6	305637
Replacement Suction Cups	For secure fitment of all horizontally mounted desktop brackets.	12	305968

BD™ Sharps Disposal Systems - focused on “Safety”

The new range of BD™ Sharps Disposal Containers is designed to optimise “point of use” disposal to help reduce the risks of blood exposure and needle stick injuries associated with the disposal process.

Description

- Functional ease of use - visible and audible locking system to ensure proper assembly.
- Visible temporary and permanent closure features
- Temporary and permanent closure engagement without touching the access area
- Retention valve against spillage due to optimal container opening for increased ease of disposal while restricting access for safety.
- Manually inviolable when container is permanently locked.
- Clear visualisation to the maximum fill line.
- Rounded corners to ensure optimal impact resistance if dropped to avoid cracking.
- Accompanied by a range of brackets and accessories focusing on “correct placements” and “secure fitment”.¹
- BD™ Sharps Containers are made of polypropylene and may be incinerated and autoclaved.
- Regulatory Compliance
 - compliant with the British Standard BS 7320 : 1990.²
 - compliant with the French Standard NFX 30 - 500.³
 - compliant with the UN Standard, UN 3291.⁴

¹ “Selecting, Evaluating and Using Sharps Disposal Containers” CDC NIOSH Publication NO. 97-111.

² Not for BD™ Sharps Container 0.87 L

³ Not for BD™ Sharps Containers 0.45 L and 22.7 L

⁴ Not for BD™ Sharps Containers 0.87 L and 22.7 L



RE-USE PREVENTION

...the situation...

16 billion injections are administered worldwide every year. In the developing world, as many as 40% of these are given with reused syringes - exposing those seeking medical care to possible infection with the viruses that cause HIV/AIDS, hepatitis B and hepatitis C.

Proportion of injections given with reused equipment¹



Some syringe reuse is intentional due to economics or lack of proper training and education. Other reuse is unwitting: in some regions of the world, used syringes are repackaged and resold - appearing to be brand-new to the unsuspecting healthcare worker.

This practice spreads bloodborne diseases such as HIV/AIDS, hepatitis B and hepatitis C. The impact of these unsafe injections in terms of lives lost and destroyed is enormous.

Burden of Disease Due to Reused Injection Syringes in 2000²

	Infections due to Reused Equipment	Percent of Disease Attributable to Reused Equipment	Healthy Live Years Lost
Hepatitis B	22 million	32%	3.1 million
Hepatitis C	2 million	40%	300.000
HIV	260.000	5%	5.7 million

¹ World Health Organization (WHO) and Centers for Disease Control (CDC), 2002. Waste image provided by WHO.

² WHO Global Burden of Disease Study, 2000, as cited in "A Procurement Guide: Procuring Single-use Injection Equipment and Safety Boxes", April 24, 2003, WHO



RE-USE PREVENTION SYRINGES

BD SoloMed™ 2-piece syringes

Single use

BD SoloMed™ 2-piece syringes with breakable plunger

Description	Tip	Scale	Box content units	Item number
2 ml Luer Slip	Concentric	0.1 ml	100	302654
5 ml Luer Slip	Eccentric	0.2 ml	100	302655
10 ml Luer Slip	Eccentric	0.5 ml	100	302758

BD SoloMed™ 2-piece syringes with breakable plunger and needles packed aside

Description	BD Microlance™ Needle Dimensions	Box content units	Item number
2 ml Luer Slip	25G 5/8" - 0.5 x 16 mm	100	302650
2 ml Luer Slip	24G 1" - 0.55 x 25 mm	100	302692
2 ml Luer Slip	23G 1" - 0.6 x 25 mm	100	302640
2 ml Luer Slip	23G 1 1/4" - 0.6 x 30 mm	100	302690
5 ml Luer Slip	23G 1" - 0.6 x 25 mm	100	302642
5 ml Luer Slip	23G 1 1/4" - 0.6 x 30 mm	100	302696
5 ml Luer Slip	22G 1 1/4" - 0.7 x 30 mm	100	302695
5 ml Luer Slip	21G 1 1/2" - 0.8 x 40 mm	100	302658
10 ml Luer Slip	21G 1 1/2" - 0.8 x 40 mm	100	302761

BD SoloMed™ syringes with breakable plunger are the latest addition to the BD reuse prevention injection family.

Description

- Allows clinician to perform all procedures for therapeutic treatment.
- Places the ability to permanently disable the syringe in the clinician's hand.
- Prevents downstream reuse effectively.
- Audible "click" sound reassures the patient and clinician that the syringe is destroyed and can no longer be reused.
- Requires minimal change in technique and thus does not interfere in the medical procedure.
- Minimal waste space - equivalent to a conventional BD syringe.
- Clear barrel makes it easy to see the syringe contents and adjust correct dose.
- High quality BD Microlance™ needle for greater patient comfort.
- Individually blister packed.

Sterilisation method

- Ethylene oxide
- WHO approved and CE marked



RE-USE PREVENTION SYRINGES

BD SoloMed™ 3-piece syringes

Single use

BD SoloMed™ 3-piece syringes with breakable plunger

Description	Tip	Scale	Box content units	Item number
3 ml Luer Slip	Concentric	0.1 ml	100	302672
5 ml Luer Slip	Eccentric	0.2 ml	100	302678
10 ml Luer Slip	Eccentric	0.5 ml	100	302683

BD SoloMed™ 3-piece syringes with breakable plunger

Description	Tip	Scale	Box content units	Item number
3 ml BD Luer-Lok™	Concentric	0.1 ml	100	302656
5 ml BD Luer-Lok™	Concentric	0.2 ml	100	302657
10 ml BD Luer-Lok™	Concentric	0.5 ml	100	302684

BD SoloMed™ 3-piece syringes with breakable plunger and needle packed aside

Description	BD Microlance™ Needle Dimensions	Box content units	Item number
3 ml Luer Slip	25G 5/8" - 0.5 x 16 mm	100	302707
3 ml Luer Slip	23G 1 1/4" - 0.6 x 30 mm	100	302708
3 ml Luer Slip	22G 1 1/2" - 0.7 x 40 mm	100	302607
5 ml Luer Slip	23G 1 1/4" - 0.6 x 30 mm	100	302711
5 ml Luer Slip	21G 1 1/2" - 0.8 x 40 mm	100	302709
10 ml Luer Slip	21G 1 1/2" - 0.8 x 40 mm	100	302721

BD SoloMed™ 3-piece syringes with breakable plunger and needle packed aside

Description	BD Microlance™ Needle Dimensions	Box content units	Item number
3 ml BD Luer-Lok™	25G 5/8" - 0.5 x 16 mm	100	302644
3 ml BD Luer-Lok™	23G 1" - 0.6 x 25 mm	100	302641
3 ml BD Luer-Lok™	23G 1 1/4" - 0.6 x 30 mm	100	302704
3 ml BD Luer-Lok™	22G 1 1/2" - 0.7 x 40 mm	100	302718
5 ml BD Luer-Lok™	23G 1" - 0.6 x 25 mm	100	302643
5 ml BD Luer-Lok™	23G 1 1/4" - 0.6 x 30 mm	100	302742
5 ml BD Luer-Lok™	21G 1 1/2" - 0.8 x 40 mm	100	302645
10 ml BD Luer-Lok™	21G 1 1/2" - 0.8 x 40 mm	100	302729

Description

- Allows clinician to perform all procedures for therapeutic treatment.
- Places the ability to permanently disable the syringe in the clinician's hand.
- Prevents downstream reuse effectively.
- Audible "click" sound reassures the patient and clinician that the syringe is destroyed and can no longer be reused.
- Requires minimal change in technique and thus does not interfere in the medical procedure.
- Minimal waste space - equivalent to a conventional BD syringe.
- Clear barrel makes it easy to see the syringe contents and adjust correct dose.
- BD Microlance™ needle for patient comfort.
- Individually blister packed.

Sterilisation method

- Ethylene oxide
- WHO approved and CE marked



RE-USE PREVENTION SYRINGES WITH SAFETY NEEDLE SHIELD

BD SoloMed™ 3-piece syringes

Single use

BD SoloMed™ 3-piece syringes with breakable plunger and safety needle shield*

Description	Tip	Scale	Box content units	Item number
3 ml Luer Slip	Concentric	0.1 ml	100	302674
5 ml Luer Slip	Eccentric	0.2 ml	100	302680
10 ml Luer Slip	Eccentric	0.5 ml	100	302686

BD SoloMed™ 3-piece syringes with breakable plunger and safety needle shield with mounted needles*

Description	BD Microlance™ Needle Dimensions	Box content units	Item number
3 ml Luer Slip	22G 1½" - 0.7 x 40 mm	100	302712
3 ml Luer Slip	23G 1¼" - 0.6 x 30 mm	100	302713
5 ml Luer Slip	21G 1" - 0.8 x 25 mm	100	302682
5 ml Luer Slip	21G 1½" - 0.8 x 40 mm	100	302715
10 ml Luer Slip	21G 1½" - 0.8 x 40 mm	100	302688

BD SoloMed™ 3-piece syringes with breakable plunger and safety needle shield*

Description	Tip	Scale	Box content units	Item number
3 m BD Luer-Lok™	Concentric	0.1 ml	100	302673
5 ml BD Luer-Lok™	Concentric	0.2 ml	100	302679
10 ml BD Luer-Lok™	Concentric	0.5 ml	100	302685

BD SoloMed™ 3-piece syringes with breakable plunger and safety needle shield with mounted needles*

Description	BD Microlance™ Needle Dimensions	Box content units	Item number
3 ml BD Luer-Lok™	25G 5⁄8" - 0.5 x 16 mm	100	302478
3 ml BD Luer-Lok™	23G 1" - 0.6 x 25 mm	100	302775
5 ml BD Luer-Lok™	23G 1¼" - 0.6 x 30 mm	100	302773
5 ml BD Luer-Lok™	23G 1½" - 0.6 x 40 mm	100	302469
5 ml BD Luer-Lok™	22G 1½" - 0.7 x 40 mm	100	302468
5 ml BD Luer-Lok™	21G 1½" - 0.8 x 40 mm	100	302467
10 ml BD Luer-Lok™	21G 1½" - 0.8 x 40 mm	100	302639

* Please contact your local sales representative for product availability.

BD SoloMed™ with a syringe-based safety shield to address both reuse prevention and prevention of accidental needle stick to healthcare workers.

Description

- Prevents downstream reuse effectively.
- Audible click sound confirms the broken plunger.
- Rotating safety shield is designed to accommodate low-angle injections.
- After activation the safety shield is securely covering the contaminated needle
- Needle remains safely locked inside activated cover.
- Single-handed activation

Sterilisation method

- Ethylene oxide
- WHO approved and CE marked



AUTO-DISABLE SYRINGES

BD SoloShot™

Single use

BD SoloShot™ IX - Auto-disable syringe with integrated needle

Description	Needle Dimensions	ISO Colour Code	Box content units	Item number
0.5 ml	23G 1" - 0.6 x 25 mm	Blue	200	301860
0.5 ml	24G 3/4" - 0.55 x 19 mm	Violet	200	301889
0.5 ml	25G 1" - 0.5 x 25 mm	Orange	200	301865
0.5 ml	25G 5/8" - 0.5 x 16 mm	Orange	200	301887
1.0 ml	22G 1" - 0.7 x 25 mm	Black	200	301888*

* please contact your local sales representative for product availability

- Special design for fixed-dose injections.
- ISO colour-coded, tamper resistant plunger rods for easy identification of correct needle gauge.
- Small size, few components, no rubber stopper.
- Pre-set volume limit (0.5 or 1.0 ml) and bold single scale markings.

Sterilisation method

- Ethylene oxide
- CE marked

BD SoloShot™ LX - BCG Auto-disable syringe with integrated needle

Description	Needle Dimensions	Box content units	Item number
0.05 ml	27G 3/8" - 0.4 x 10 mm	100	301792
0.1 ml	27G 3/8" - 0.4 x 10 mm	100	301793
0.05 ml - 0.10 ml combo	27G 3/8" - 0.4 x 10 mm	100	303212

- Special design for fixed low-dose vaccinations.
- Pre-set volume limit (0.05 or 0.10 ml) and bold single scale markings.
- BD Microlance™ needle 27G 3/8" with intradermal bevel

Sterilisation method

- Gamma Irradiation
- CE marked

BD SoloShot™ Auto-Disable Syringes

Description

- Specially designed injection device for both large-scale and routine immunization programmes or any other fixed-dose injections.
- Highly effective in preventing the re-use of syringes due to:
 - Clinically proven Passive Activation Auto-Disable mechanism featuring the patented V-Clip design - when drawing up the vaccine the auto-disable mechanism is automatically activated and after injection of the vaccine into the patient the syringe is blocked and cannot be reused any longer.
 - Permanently attached needle.
- High-quality BD Microlance™ needle for greater patient comfort.
- Minimal dead space guaranteeing minimal vaccine wastage.
- Bold single scale markings for easy and accurate dose measurement.
- Low injection forces for greater patient comfort.
- Individual blister packaging ensuring sterility.
- WHO approved and CE marked.



RE-USE PREVENTION

BD™ Hub Cutter

Single use

BD™ Hub Cutter

Description	Fill capacity	Box content units	Item number
BD™ Hub Cutter for hypodermic needles	in average 400-600 needles	32	305307
BD™ Hub Cutter for hypodermic needles (Russian Label)	in average 400-600 needles	32	305309

Safety Box for Disposal of Hypodermic Needles

Description

- Portable, disposable, point-of-use needle hub destruction device.
- Designed to cut the syringe needle at the hub and enclose the needle securely in the hard plastic container.
- Cuts and holds 400-600 needles, depending on needle sizes.
- Ready for use.
- Separates needles and syringes at the point of use.
- Large opening and surrounding wall facilitate needle insertion.
- Compact and lightweight design.
- Puncture-resistant container.
- Designated fill line.
- Yellow colour - colour coding for biohazardous waste.
- Container cap can be closed between uses.
- Container cap can be permanently locked prior to disposal.
- Disposal of entire container avoids contact with sharps.
- Easy to dispose - can be incinerated or buried in a pit.
- Compatible with BD SoloShot™, BD SoloMed™ and any conventional syringes up to 50 ml.

DIABETES CARE



INSULIN SYRINGES

BD Micro-Fine™ *Plus*

Sterile, single use

BD Micro-Fine™ *Plus* Insulin Syringes

Description	CE marked	Box content units	Case content units	Item number
1 ml U-100, 29G x 12,7 mm	no	100	500	320909
1 ml U-100, 29G x 12,7 mm	yes	100	500	320931
1 ml U-100, 30G x 8 mm	no	100	500	320929
1 ml U-100, 30G x 8 mm	yes	100	500	320935
0.5 ml U-100, 29G x 12,7 mm	no	100	500	320921
0.5 ml U-100, 29G x 12,7 mm	yes	100	500	320932
0.5 ml U-100, 30G x 8 mm	no	100	500	320930
0.5 ml U-100, 30G x 8 mm	yes	100	500	320933
1 ml U-40, 29G x 12,7 mm	no	100	500	320910
1 ml U-40, 30G x 8 mm	no	100	500	320911
0,3 ml U-100 , 30G x 8 mm, 1/2 step units	no	100	500	320829
0,3 ml U-100 , 30G x 8 mm, 1/2 step units	yes	100	500	320838

Description

- A whole range of insulin syringes adapted to the individual needs and preferences of insulin injectors.
- Integrated needle, engineered with optimal point geometry for maximum comfort and reliability.
- BD Micro-Fine Plus insulin syringes offer a high injection comfort with a triple bevel that is designed to reduce the penetration force required to puncture the skin.
- For single use only.



PEN NEEDLES

BD Micro-Fine™ *Plus*

Sterile, single use

BD Micro-Fine™ *Plus* Pen Needles

Description	CE marked	Box content units	Case content units	Item number
29G (0,33 x 12,7 mm)	no	100	1200	320480
29G (0,33 x 12,7 mm)	yes	100	1200	320516
30G (0,30 x 8 mm)	no	100	1200	320519
30G (0,30 x 8 mm)	yes	100	1200	320517
31G (0,25 x 5 mm)	no	100	1200	320590
31G (0,25 x 5 mm)	yes	100	1200	320518

Description

- Integrated needle, engineered with optimal point geometry for maximum comfort and reliability together with an ideal range of gauges and sizes.
- New Thin Wall technology provides soft and reliable subcutaneous delivery of insulin for all types of patients (available for 30G and 31G pen needles). The needle retains its extremely fine external dimension but has a wider, increased inner diameter. The result is an improved insulin flow rate and a lower force that is required to push the pen injector's plunger.
- For single use only.
- Compatible with all leading insulin injection pens (Eli Lilly*, Sanofi-Aventis**, Novo Nordisk***, Owen Mumford****), BD Micro-Fine™ *Plus* is the simple and natural choice for healthcare professionals and users alike.

Needle Lubrication

- Each and every BD Micro-Fine™ *Plus* needle is lubricated using a technique and formula that is proprietary to BD. The purpose is to place a microscopic film of lubricant over the needle. This film greatly reduces the drag force of the needle through the skin and the result is a significantly improved injection comfort.

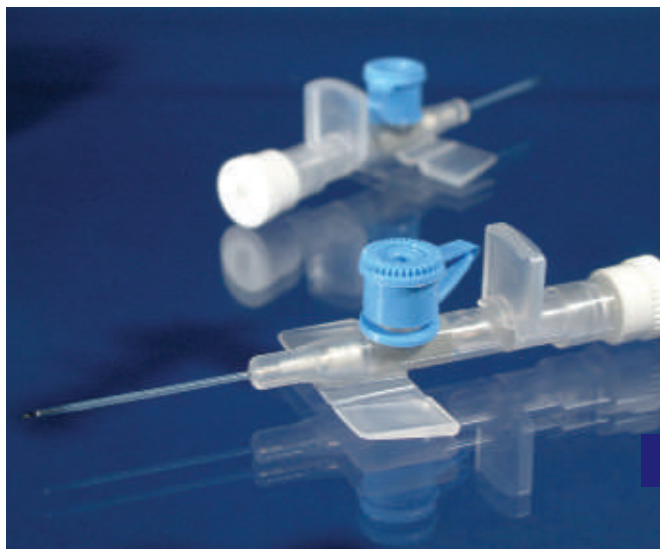
* Eli Lilly is a trademark of Eli Lilly

** Sanofi-Aventis is a trademark of Sanofi-Aventis

*** Owen Mumford is a trademark of Owen Mumford

****Novo Nordisk is a trademark of Novo Nordisk

INFUSION THERAPY



PERIPHERAL IV CATHETER with INJECTION VALVE and OBTURATOR

BD Venflon™

Sterile, single use

Gauge Catheter	Length mm	Catheter ext. diameter mm	Colour	Box content units	BD Venflon™ Catheter Item number	BD Venflon™ Obturator Item number
22G	25	0.8	Blue	50	391451	394251
20G	32	1.0	Pink	50	391452	394252
18G	32	1.2	Green	50	391457	394257
18G	45	1.2	Green	50	391453	394253
17G	45	1.4	White	50	391454	394254
16G	45	1.7	Grey	50	391455	394255
14G	45	2.0	Orange	50	391456	394256

Description

- BD Venflon™ intravenous catheter with integrated injection port and valve for peripheral catheterisation.
- Permits needle-free administration of bolus medications during infusion.
- Back-cut needle bevel and tapered end of the PTFE catheter allows easier insertion and minimises the risks of vein damage.
- Wing position reduces the risk of bacterial contamination by preventing any direct contact between the rear of the catheter hub and the skin. Utilising the wings, immobility of the catheter can be further ensured by the application of the BD Veca-C™ and BD Veca-Fix™ IV dressing.
- BD Luer-Lok™ compatible.
- The Obturator protects the inner lumen of the catheter from coagulation and thrombus formation after discontinuation of infusion.
- The Obturator is colour coded to match the corresponding catheter gauge.

Sterilisation method

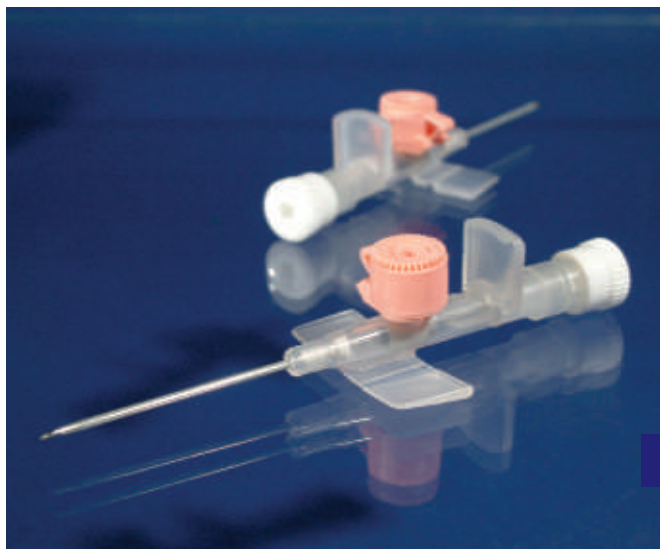
- Ethylene oxide

Shelf life

- 5 years

- CE marked

- Latex free



PERIPHERAL IV CATHETER with INJECTION VALVE and OBTURATOR

BD Venflon™ Pro

Sterile, single use

Gauge Catheter	Length mm	Catheter ext. diameter mm	Colour	Box content units	BD Venflon™ Pro Catheter Item number	BD Venflon™ Obturator Item number
22G	25	0.9	Blue	50	393202	394251
20G	32	1.1	Pink	50	393204	394252
18G	32	1.3	Green	50	393206	394257
18G	45	1.3	Green	50	393207	394253
17G	45	1.5	White	50	393208	394254
16G	45	1.8	Grey	50	393209	394255
14G	45	2.0	Orange	50	393210	394256

Manufactured in BD Vialon™, a unique polyurethane, radiopaque biocompatible catheter material (please see page 128 for further information).

Description

- Design based on the clinically proven BD Venflon™ platform and has an integrated injection port.
- The improved design of the injection port cap ensures easy opening and secure closing, whilst avoiding touch contamination of the injection port and valve.
- Improved insertion characteristics as BD Vialon™ makes it possible to manufacture a catheter with a better tapered, stronger and more reliable tip geometry which improves the chances of a first cannulation attempt success and also reduces the risk of thrombophlebitis.
- Although the catheter material is rigid before insertion, the qualities of BD Vialon™ allow for softening of the catheter material once it is inside the body, again reducing the risk of thrombophlebitis.
- There is an improved flow rate when compared with Teflon™ catheters as BD Vialon™ allows for a larger internal diameter.
- BD Luer-Lok™ compatible.
- Obturator range available.
- The Obturator protects the inner lumen of the catheter from coagulation and thrombus formation after discontinuation of infusion.
- The Obturator is colour coded to match the corresponding catheter gauge

Sterilisation method

- Irradiation

Shelf life

- 3 years

- CE marked
- Latex free



Next Generation

PERIPHERAL SAFETY IV CATHETER with INJECTION VALVE and OBTURATOR

BD Venflon™ Pro Safety

Sterile, single use

Gauge Catheter	Length mm	Catheter O.D. mm	Catheter I.D. mm	Colour	Box content units	BD Venflon™ Pro Safety Catheter Item number	BD Venflon™ Obturator Item number
22G	25	0.9	0.6	Blue	50	393222	394251
20G	32	1.1	0.8	Pink	50	393224	394252
18G	32	1.3	1.0	Green	50	393226	394257
18G	45	1.3	1.0	Green	50	393227	394253
17G	45	1.5	1.2	White	50	393228	394254
16G	45	1.8	1.4	Grey	50	393229	394255
14G	45	2.0	1.6	Orange	50	393230	394256

Manufactured in BD Vialon™, a unique polyurethane, radiopaque biocompatible catheter material (please see page 128 for further information).

Description

- BD Venflon™ Pro Safety needle protected IV Cannula combines all the advantages of the original BD Venflon™ Pro, with second generation safety protection features against needlestick injuries.
- Familiar ported design with 'snap-cap' aids non-touch technique which helps prevent port being inadvertently left open.
- Sharp needle technology provides both ease of penetration and improved patient comfort.
- Flexible wings stabilise the cannula in the vein and provide comfortable securement for the patient.
- Needle shield
 - Once activated, the needle tip is fully encapsulated inside the protection mechanism, which is designed to minimise the risk of scratching yourself
 - The unique design captures residual blood safely within the device, thereby minimizing the risk of unanticipated blood splatter during and after activation
 - with needle safely encased in smooth edged plastic shield
- The Obturator protects the inner lumen of the catheter from coagulation and thrombus formation after discontinuation of infusion.
- The Obturator is colour coded to match the corresponding catheter gauge
- Grip is ergonomically designed to allow for a variety of user techniques and to aid insertion.
- BD Venflon™ Pro Safety is designed for use in all departments and provides a full range of features to suit most clinical indications.

Sterilisation method

- Irradiation

Shelf life

- 3 years

- CE marked

- Latex free



red dot design award
best of the best 2008



PERIPHERAL IV CATHETER

BD Angiocath™

Sterile, single use

Standard lengths

Gauge Catheter	Length mm	Catheter ext. diameter mm	Colour	Box content units	BD Angiocath™ Item number
24G	19	0.7	Yellow	50	381112
22G	25	0.9	Blue	50	381123
20G	48	1.1	Pink	50	381137
20G	30	1.1	Pink	50	381134
18G	48	1.3	Green	50	381147
18G	30	1.3	Green	50	381144
16G	48	1.7	Grey	50	381157
16G	30	1.7	Grey	50	381154
14G	48	2.1	Orange	50	381167
14G	30	2.1	Orange	50	381164

Special lengths

Gauge Catheter	Length mm	Catheter ext. diameter mm	Colour	Box content units	BD Angiocath™ Item number
16G	83	1.7	Grey	50	382258
16G	133	1.7	Grey	50	382259
14G	83	2.1	Orange	50	382268
14G	133	2.1	Orange	50	382269
12G	76	2.8	Light Blue	50	382277
10G	76	3.4	Tan	50	382287

Description

- Catheter made of radiopaque FEP Polymer.
- Catheter with thermo-moulded bevel ensures excellent penetration properties.
- Triple-bevel needle.
- Crystal clear flashback chamber.
- Complete gauge range from 10G x 76 mm to 24G x 19 mm.
- Available in longer lengths (14G and 16G available with 83 mm and 133 mm long catheters).
- BD Luer-Lok™ compatible.

Recommended uses

- Infusion
- Transfusion
- Angiography

Sterilisation method

- Ethylene oxide

Shelf life

- 5 years

- CE marked
- Latex free

NB: Diameters 12G and 10G permit very large volume emergency infusions



PERIPHERAL IV CATHETER WITH and WITHOUT WINGS and OBTURATOR

BD Insyte™, BD Insyte-W™

Sterile, single use

Gauge Catheter	Length mm	Catheter ext. diameter mm	Colour	Box content units	BD Insyte™ without wings Item number	BD Insyte-W™ with wings Item number	BD Insyte™ and BD Insyte-W™ Obturator Item number
24G	19	0.7	Yellow	50	381212	381312	-
22G	25	0.9	Blue	50	381223	381323	394280
20G	48	1.1	Pink	50	381237	381337	394282
20G	30	1.1	Pink	50	381234	381334	394281
18G	45	1.3	Green	50	381246	381346	394284
18G	30	1.3	Green	50	381244	381344	394283
16G	45	1.7	Grey	50	381257	381357	394285
14G	45	2.1	Orange	50	381267	-	394286

Manufactured in BD Vialon™, a unique polyurethane, radiopaque biocompatible catheter material (please see page 128 for further information).

The BD Insyte™ catheter provides exceptional penetration characteristics, tip integrity and flow rates with improved indwell times.

Description

- Easy insertion: the strength of BD Vialon™ makes it possible to manufacture a catheter with a finer, stronger, more reliable tip, giving excellent penetration characteristics.
- Catheter tip integrity: the mechanical properties of BD Vialon™ prevent twisting and deterioration of the catheter tip geometry.
- The catheter is rigid before insertion but becomes soft inside the body. This unique feature adds to the biocompatibility of BD Vialon™ and results in a lower risk of complications.
- Flow rate: BD Insyte™ is a thin-walled catheter with a higher flow-rate than other catheters of the same gauge. BD Vialon™ has good kink resistance and kink recovery to ensure an optimum flow rate.
- BD Luer-Lok™ compatible.

Description of Obturator

- Made of polyethylene
- Suits the catheter size (diameter and length), colour coded

Recommended use

- Oncology
- Low venous pressure
- Fragile veins

Packaging

- Packed individually in peel-back 'blister packs'

Sterilisation method

- Ethylene oxide

Shelf life

- 5 years

- CE marked

- Latex free



SAFETY PERIPHERAL IV CATHETER and OBTURATOR

BD Insyte™ Autoguard™

Sterile, single use

Gauge Catheter	Length mm	Catheter ext. diameter mm	Colour	Box content units	BD Insyte™ Autoguard™ without wings Item Number	BD Insyte™ Autoguard™ Winged Item Number
24G	19	0.7	Yellow	50	381812	381912
22G	25	0.9	Blue	50	381823	381923
20G	51	1.1	Pink	50	381837	381937
20G	32	1.1	Pink	50	381834	381934
18G	51	1.3	Green	50	381847	381947
18G	32	1.3	Green	50	381844	381944
16G	51	1.7	Grey	50	381857	381957
14G	51	2.1	Orange	50	381867	-

Manufactured in BD Vialon™, a unique polyurethane, radiopaque biocompatible catheter material (please see page 128 for further information).

The BD Insyte™ Autoguard™ catheter provides increased safety against accidental needle sticks as well as exceptional penetration, tip integrity and flow rates with improved indwell times

Description

- Patented safety mechanism activation.
- The push-button holds the needle unit in the extended position until the user activates the mechanism.
- Pressing the push-button releases the spring so that the needle/flashback chamber retracts into the safety barrel.
- BD Luer-Lok™ compatible.

Sterilisation method

- Ethylene oxide

Shelf life

- 3 years

Obturator

- see BD Insyte™ range

- CE marked

- Latex free



PERIPHERAL NEONATAL AND PAEDIATRIC CATHETERS

BD Neoflon™

Sterile, single use

Gauge Catheter	Length mm	Catheter ext. diameter mm	Colour	Box content units	Case content units	BD Neoflon™ Item number
24G	19	0.7	Yellow	50	500	391350
26G	19	0.6	Violet	50	500	391349

Description

- 24G and 26G PTFE catheter.
- BD Neoflon™ is specially designed for the puncture of small fragile vessels, frequently encountered in paediatrics or elderly patients.
- The unique design of the detachable wing holder makes the catheter easier to hold, using either a ported or non-porting grip, despite its small size.
- The flexible wings facilitate secure fixation, even on the hand or arm of the neonate without the need to immobilise the limb whilst at the same time reducing the risk of mechanical phlebitis.

Sterilisation method

- Ethylene oxide

Shelf life

- 5 years
- CE marked
- Latex free



PERIPHERAL NEONATAL AND PAEDIATRIC CATHETERS

BD Vasculon™ Plus

Sterile, single use

Gauge Catheter	Length mm	Catheter ext. diameter mm	Colour	Box content units	Case content units	BD Vasculon™ Plus Item Number
26G	19	0.6	purple	50	500	393300

Manufactured in BD Vialon™, a unique polyurethane, radiopaque biocompatible catheter material (please see page 128 for further information).

Description

- BD Vasculon™ Plus is specially designed for the puncture of small fragile vessels, frequently encountered in paediatrics or elderly patients.
- The product is designed to gain access to the peripheral veins of the blood system for e.g. intravenous therapy, blood transfusion, pressure monitoring.
- The product has stainless steel cannula, covered with a soft siliconized polyurethane catheter with five radiopaque stripes.
- The stainless steel needle runs through the whole length of the catheter and the cannula hub and ends up fixed in a grip, which fits in the Luer Lock fitting of the cannula hub. This is to facilitate stability during insertion.
- The other end of the grip has a female cone in which a flow control plug is placed. When puncturing the vein, blood flows through the steel needle to the flow control plug. In this way, it indicates when the steel needle has entered the vein. At the same time, blood leakage is prevented and, thereby, the risk of contamination. When disconnecting the flow control plug, leakage is possible if vein occlusion could not be performed completely.
- The flexible wings facilitate secure fixation, even on the hand or arm of the neonate without the need to immobilise the limb whilst at the same time reducing the risk of mechanical phlebitis.

Sterilisation method

- Ethylene oxide

Shelf life

- 5 years

- CE marked

- Latex free



PERIPHERAL NEONATAL and PAEDIATRIC IV CATHETER

BD Insyte-N™

Sterile, single use

Gauge Catheter	Length mm	Catheter ext. diameter mm	Colour	Box content units	BD Insyte-N™ Item number	BD Insyte-N™ with wings Item number
24G	14	0.7	Yellow	50	381211	-
24G	14	0.7	Yellow	50	-	381311

Manufactured in BD Vialon™, a unique polyurethane, radiopaque biocompatible catheter material (please see page 128 for further information).

Description

- The BD Insyte-N™ needle incorporates a notch at the tip of the needle permitting instant blood flashback confirmation facilitating correct positioning in the vein.
- With or without flexible wings.
- 14 mm long, the shortest on the market to accommodate small vein segments and provides a greater choice of insertion sites.
- Shorter length provides increased flow rates.
- 24G for catheterisation in every situation encountered in neonatology, paediatrics, oncology and elderly patient.
- BD Luer-Lok™ compatible.

Recommended uses

- Fragile veins, e.g. neonatology
- Low venous pressure

Packaging

- Packed individually in sterile peel-back 'blister packs'

Sterilisation method

- Ethylene oxide

Shelf life

- 5 years

- CE marked

- Latex free



SAFETY PERIPHERAL NEONATAL and PAEDIATRIC IV CATHETER

BD Insyte-N™ Autoguard™

Sterile, single use

Gauge Catheter	Length mm	Catheter ext. diameter mm	Colour	Box content units	BD Insyte-N™ Autoguard™ Item number	BD Insyte-N™ Autoguard™ with wings Item number
24G	14	0.7	Yellow	50	381811	-
24G	14	0.7	Yellow	50	-	381911

Manufactured in BD Vialon™, a unique polyurethane, radiopaque biocompatible catheter material (please see page 126 for further information).

Description

- The BD Insyte-N™ Autoguard™ needle incorporates a notch at the tip of the needle permitting instant blood flashback confirmation facilitating correct positioning in the vein.
- Patented safety mechanism activation.
- With or without flexible wings.
- 14 mm long, the shortest on the market to accommodate small vein segments and provides a greater choice of insertion sites.
- Shorter length provides increased flow rates.
- 24G for catheterisation in every situation encountered in neonatology, paediatrics, oncology and elderly patient.
- BD Luer-Lok™ compatible.

Recommended uses

- Fragile veins, e.g. neonatology
- Low venous pressure

Packaging

- Packed individually in sterile peel-back 'blister packs'

Sterilisation method

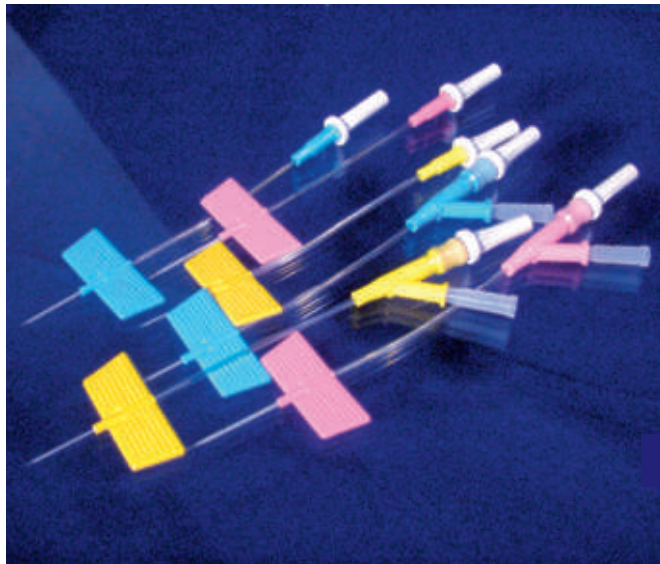
- Ethylene oxide

Shelf life

- 3 years

- CE marked

- Latex free



PERIPHERAL IV CATHETER with integrated INFUSION SET

BD Intima™ and BD Intima™ Y

Sterile, single use

Gauge Catheter	Length mm	Catheter ext. diameter mm	Colour	Box content units	BD Intima™ Item number	BD Intima™ Y Item number
24G	19	0.7	Yellow	25	383211	383213
22G	19	0.8	Blue	25	383221	383223
20G	25	1.1	Pink	25	383234	383236
18G	25	1.3	Green	25	383244	383246

Manufactured in BD Vialon™, a unique polyurethane, radiopaque biocompatible catheter material (please see page 126 for further information).

Description

- The flexible extension tubing of BD Intima™ enables all other procedures to be carried out at a distance from the puncture site, thus reducing the risk of thrombophlebitis and sepsis. BD Intima™ could therefore be left in place longer than a conventional catheter.

Special features

- Straight BD Intima™ is fitted with a BD Luer-Lok™ connector for connection to any piece of equipment fitted with a Luer adapter.
- The BD Intima™ Y is fitted with a “Y” type adapter so that the injection site can be used for bolus administration of medication.
- Integrated injection port.
- Blood contact is avoided during insertion.

Recommended uses

- Fragile veins (paediatrics, geriatrics, oncology etc).
- Catheterisation without blood contact (infectious diseases).

Packaging

- Packed individually in sterile peel-back ‘blister packs’

Sterilisation method

- Ethylene oxide

Shelf life

- 5 years
- CE marked
- Latex free



SAFETY PERIPHERAL IV CATHETER with integrated INFUSION SET

BD Saf-T-Intima™

Sterile, single use

Gauge Catheter	Length mm	Catheter ext. diameter mm	Colour	Box content units	BD Saf-T-Intima™ Item number	BD Saf-T-Intima™ Y Item number
24G	19	0.7	Yellow	25	383312	383313
22G	19	0.8	Blue	25	383322	383323
20G	25	1.1	Pink	25	383335	383336
18G	25	1.3	Green	25	-	383346

Manufactured in BD Vialon™, a unique polyurethane, radiopaque biocompatible catheter material (please see page 126 for further information).

Description

- Has the same flexible extension tubing of BD Intima™ that enables all other procedures to be carried out at a distance from the puncture site, thus reducing the risk of thrombophlebitis and sepsis. BD Intima™ could therefore be left in place longer than a conventional catheter.

Special features

- The BD Saf-T-Intima™ is equipped with a needle protection device that pulls the needle into a safety barrel as soon as the needle is removed. This minimises the risk of accidental needle stick injuries.
- BD Saf-T-Intima™ is fitted with a BD Luer-Lok™ connector for connection to any piece of equipment fitted with a Luer adapter.
- The BD Saf-T-Intima™ Y is fitted with a “Y” type adapter so that the injection site can be used for bolus administration of medication.
- Removable injection port.
- Blood contact is avoided during insertion.

Sterilisation method

- Ethylene oxide

Shelf life

- 4 years

- CE marked

- Latex free

Next Generation

CLOSED IV CATHETER SYSTEM

BD Nexiva™ Standard Version

Sterile, single use

BD Nexiva™ Standard Version

Gauge Catheter	Length mm	Colour	Flow Rate H ₂ O (ml/min)	Flow Rate H ₂ O (ml/h)	Flush Volume	Units (Box/Case)	Item Number
24	14	Yellow	14	840	0,4	20/80	383640
24	19	Yellow	13	780	0,4	20/80	383641
22	25	Blue	27	1620	0,4	20/80	383642
20	25	Pink	54	3240	0.5	20/80	383646
20	32	Pink	52	3120	0.5	20/80	383647
20	45	Pink	48	2880	0.5	20/80	383648
18	32	Green	84	5040	0.5	20/80	383649
18	45	Green	78	4680	0.5	20/80	383650

Manufactured in BD Vialon™, a unique polyurethane, radiopaque biocompatible catheter material (please see page 126 for further information).

Description

- The BD Nexiva™ Closed IV Catheter System is a pre-assembled configuration which combines separate IV components into a single device.
- It promotes greater efficiency and convenience with less handling time, reduces the potential for blood leakage, helping to minimise clean-up.
- Pre-attached extension tubing and soft wings reduce manipulation at the insertion site to help decrease the risk of mechanical phlebitis and irritation to the vein.
- BD Nexiva™ Closed IV Catheter System incorporates the sharp BD needle technology and patented cannula tipping process, helping to reduce the pain of insertion.
- Passive needle protection device reduces the potential for needlestick injuries. Needle tip is automatically shielded when withdrawn from the cannula to ensure compliance. Shield remains in place and cannot be bypassed.
- Closed fluid flow path reduces the potential for blood leakage, thereby reducing clinicians' exposure to bloodborne pathogens.

Sterilisation method

- Ethylene oxide

Shelf life

- 3 years

Special features

- BD Instaflash™ Needle Technology provides immediate visual confirmation of vessel entry for improved first-stick success
- Additional assurance of vessel entry through continuous flashback and clear visibility of blood flow along the extension tubing
- CE marked
- Latex free



Next Generation

CLOSED IV CATHETER SYSTEM

BD Nexiva™ with Single BD Connecta™ Stopcock Version

Sterile, single use

BD Nexiva™ with Single BD Connecta™ Stopcock Version

Gauge Catheter	Length mm	Colour	Flow Rate H ₂ O (ml/min)	Flow Rate H ₂ O (ml/h)	Flush Volume	Units (Box/Case)	Item Number
24	14	Yellow	16	960	0,6	20/80	383680
24	19	Yellow	15	900	0,6	20/80	383681
22	25	Blue	30	1800	0,6	20/80	383682
20	25	Pink	52	3120	0.8	20/80	383686
20	32	Pink	50	3000	0.8	20/80	383687
20	45	Pink	46	2760	0.8	20/80	383688
18	32	Green	78	4680	0.8	20/80	383689
18	45	Green	74	4440	0.8	20/80	383690



Next Generation

BD Nexiva™ with BD Connecta™ Q-Syte™ Stopcock Version

Sterile, single use

BD Nexiva™ with BD Connecta™ Q-Syte™ Stopcock Version

Gauge Catheter	Length mm	Colour	Flow Rate H ₂ O (ml/min)	Flow Rate H ₂ O (ml/h)	Flush Volume	Units (Box/Case)	Item Number
24	14	Yellow	16	960	0,6	20/80	383660
24	19	Yellow	15	900	0,6	20/80	383661
22	25	Blue	30	1800	0,6	20/80	383662
20	25	Pink	52	3120	0.8	20/80	383666
20	32	Pink	50	3000	0.8	20/80	383667
20	45	Pink	46	2760	0.8	20/80	383668
18	32	Green	78	4680	0.8	20/80	383669
18	45	Green	74	4440	0.8	20/80	383670



FLUID CONNECTORS

BD Q-Syte™

Sterile, single use

Description	Priming Volume (ml)	Flow Rate (ml/min)	Box content units	Item Number
BD Q-Syte™ Stand Alone	0.1	525	50	385100

Description

BD Q-Syte™ Luer Access Split Septum is a needleless IV access device which is uniquely split. The split-septum concept was introduced to the needleless IV access device market with Interlink®. Split-septum features such as simple internal design, ease of use and a straight, clear fluid path are critical to achieve CRBSI reductions. BD extended the benefits of split septum to the convenience of luer access with BD Q-Syte™ Luer Access Split Septum.

In addition to the benefits of split-septum design, the BD Q-Syte™ device delivers optimal luer access performance. Because of its straight and unobstructed fluid path, the BD Q-Syte™ device provides:

- Dramatically higher flow rates¹
- A low priming volume
- Flexibility to use ISO 594 compatible Luer-Slip or Luer Lock connections

¹ Data on file



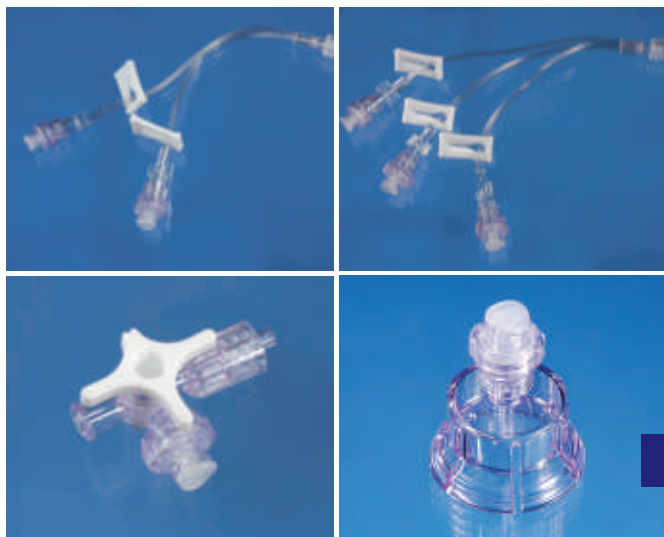
Closed



Open

Closed System:

- Use on ISO standard IV medical devices
- Use with intermittent or continuous infusion
- Connection and disconnection of syringes and IV sets
- Blood withdrawal
- Use on arterial lines



FLUID CONNECTORS

Infusion Therapy Products with BD Q-Syte™

Sterile, single use

Description	Priming Volume (ml)	Flow Rate (ml/min)	Box Content Units	Item number
BD Q-Syte™ Standard Bore Extension	1.14	445	50	385101
BD Q-Syte™ Micro Bore Extension	0.21	49	50	385102
BD Q-Syte™ Vial Access Adapter	0.1	525	25	385108
BD Connecta™ Stopcock with BD Q-Syte™	0.31	490/390	50	394501

Acacia Inc.* Specialty Extension Sets with BD Q-Syte™ Luer Access Split-Septum

Description	Priming Volume (ml)	Flow Rate (l/hr.)	Box content units	Item number
BD Q-Syte™ Bi-Extension Set 15 cm Macro Bore	1.60	20	50	385161
BD Q-Syte™ Tri-Extension Set 15 cm Macro Bore	2.25	20	50	385162
BD Q-Syte™ Bi-Extension Set 15 cm Small Bore	0.45	2	50	385163
BD Q-Syte™ Tri-Extension Set 15 cm Small Bore	0.80	2	50	385164

* Acacia Inc. product featuring the BD Q-Syte™ Luer Access Split-Septum are exclusively distributed by BD Medical. Acacia Inc., Brea, CA. 92921
www.acaciainc.com.

Features of BD Q-Syte™ Luer Access Split Septum

- Smooth silicone surface
 - Swabable, easily disinfected
 - No interstitial space
 - May help to achieve appropriate disinfection
- Split Septum
 - Luer activated closed system
 - Helps prevent micro-organism ingress
- Lipid compatibility
 - Suitable for parenteral nutrition
- Luer lock and luer slip compatibility
- Straight large fluid path
 - Allows high flow rates (> 500 ml/min)
 - No haemolysis increase
- Clear housing
 - Complete internal visibility
 - Help to assure flush efficiency
- Compact light device
 - May help to increase patient comfort due to the smaller and lighter design.

Sterilisation method

- Ethylene oxide

Shelf life

- 3 years

- CE marked

- Latex free



STOPCOCKS for IV THERAPY and PRESSURE MONITORING

BD Connecta™

Sterile, single use

BD Connecta™ single stopcocks

Description	Tap Rotation	Tap Colour	Priming Volume	Box content units	Colour coding Pegs	Item number
BD Connecta™	360°	White	0.22 ml	100	No	394600
BD Connecta™	360°	White	0.22 ml	100	Yes	394601
BD Connecta™	360°	Blue	0.22 ml	100	No	394602
BD Connecta™	360°	Red	0.22 ml	100	No	394605

BD Connecta™ stopcocks with extension

Description	Extension Tubing length	Port	Tap Rotation	Tap Colour	Priming Volume	Box content units	Colour coding Pegs	Item number
BD Connecta™	7 cm	Yes	360°	White	0.8 ml	50	No	394945
BD Connecta™	10 cm	No	360°	White	0.8 ml	50	No	394995
BD Connecta™	10 cm	No	360°	Blue	0.8 ml	50	No	394997
BD Connecta™	25 cm	Yes	360°	White	1.5 ml	20	No	394936
BD Connecta™	25 cm	No	360°	White	1.5 ml	20	No	394926
BD Connecta™	50 cm	No	360°	White	2.8 ml	20	No	394951
BD Connecta™	100 cm	No	360°	White	5.5 ml	20	No	394961
BD Connecta™	100 cm	Yes	360°	White	5.5 ml	20	No	394971

BD Connecta™ extension tube

Description	Extension Tubing length	Priming Volume	Box content units	Item number
BD Connecta™	25 cm	1.75 ml	50	397251
BD Connecta™	50 cm	3.50 ml	50	397509
BD Connecta™	75 cm	7.00 ml	50	397997
BD Connecta™	100 cm	7.00 ml	50	397590
BD Connecta™	150 cm	10.5 ml	50	397400

BD Connecta™ micro extension tube

Description	Extension Tubing length	Priming Volume	Box content units	Item number
BD Connecta™	15 cm	0.2 ml	50	397201
BD Connecta™	150 cm	1.55 ml	50	397608
BD Connecta™	200 cm	2.10 ml	50	397610
BD Connecta™	250 cm	2.60 ml	50	397612
BD Connecta™	30 cm	0.30 ml	50	397994

BD Connecta™ CoEX-Extension Tube

Description	Extension Tubing length	Priming Volume	Box content units	Item number
BD Connecta™	150 cm	1.55 ml	50	397611

Description: please see next page.



STOPCOCKS for IV THERAPY and PRESSURE MONITORING

BD Connecta™

Sterile, single use

BD Connecta™ low volume extension tube (micro bore)

Description	Extension Tubing length	Tap Rotation	Tap Colour	Priming Volume	Box content units	Colour coding Pegs	Item number
3-way stopcock	15 cm	360°	White	0.3 ml	50	No	394982
3-way stopcock	30 cm	360°	White	0.45 ml	50	No	394983

BD Colour Coding Pegs

Description	Colour	Box content units	Item number
Colour Coding Pegs - non sterile	Red	1000	394187
Colour Coding Pegs - non sterile	Blue	1000	394188

BD Connecta™ is the result of BD's continuous search for improvement and commitment to risk management in IV Therapy. BD Connecta™ offers the possibility to feel whether the stopcock is completely open or closed through the on/off snaps. The new grade of polycarbonate and high standard moulding technique contribute to improved resistance to cracking.

Description

- Flat clean surface.
- Low priming volume (dead space).
- Straight Two-Way Fluid Path.
- Material allows for use of lipids and chemotherapeutic agents.

Material

- Polycarbonate, Polyethylene, Polypropylene

Sterilisation method

- Beta Irradiation

Shelf life

- 3 years

- CE marked

- Latex free



BD CONNECTA™ MULTIFLO™ INFUSION MANIFOLD

BD Multiflo™

Sterile, single use

BD Multiflo™ 3

Description	Box content units	Item number
3 way ramp with BD Luer-Lok™ plugs	10	394633
With 25 cm tubing	10	394638
With 50 cm tubing	10	394637
With 150 cm tubing	10	394636

BD Multiflo™ 5

Description	Box content units	Item number
5 way ramp with BD Luer-Lok™ plugs	10	394653
With 25 cm tubing	10	394658
With 50 cm tubing	10	394657
With 150 cm tubing	10	394656

BD Connecta™ Multiflo™ pole holder

Description	Box content units	Item number
BD Connecta™ Multiflo™ pole holder (non sterile)	5	394630

How often do you experience difficulties during multiple infusion management?

Description

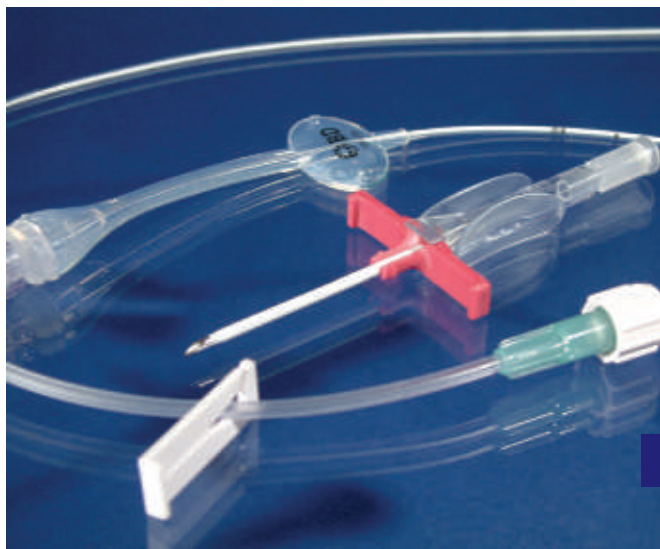
- BD Multiflo™ offers high flow rates and at the same time minimal dead space.
- Clear colour coding line identification and BD FloSwitch™ on-off indicators minimise infusion line confusion.
- Risk of cracking is diminished through polypropylene housing.
- BD Multiflo™ with integrated extension tubing adds an even higher degree of safety by further reducing the risk of disconnections, leakage and contamination.

Sterilisation method

- Ethylene oxide

Shelf life

- 5 years
- CE marked
- Latex free



PERIPHERALLY INSERTED MIDLINE and CENTRAL CATHETERS FOR IV ACCESS

BD First PICC™ and BD First Midcath™

Sterile, single use

BD First PICC™ Single Lumen Catheter Only

Description	Gauge length	Box content	Item number units
BD First PICC™ Peripherally Inserted Central Catheter	26G (1.9 Fr) x 50 cm Single Lumen	5	384232
	20G (3 Fr) x 65 cm Single Lumen	5	384156
	18G (4 Fr) x 65 cm Single Lumen	5	384157
	16G (5 Fr) x 65 cm Single Lumen	5	384158

BD First PICC™ Dual Lumen Catheter Only

Description	Gauge length	Box content	Item number units
BD First PICC™ Peripherally Inserted Central Catheter	16G (5 Fr) x 65 cm Dual Lumen	5	384159

BD First PICC™ Single Lumen Basic Kit with BD Introsyte™ Autoguard™ Shielded Introducer

Description	Gauge length	Box content	Item number units
BD First PICC™ with BD Introsyte™ Autoguard™ Introducer	20G (3 Fr) x 65 cm Single Lumen	5	384115
	18G (4 Fr) x 65 cm Single Lumen	5	384171
	16G (5 Fr) x 65 cm Single Lumen	5	384177

BD First PICC™ Dual Lumen Basic Kit with BD Introsyte™ Autoguard™ Shielded Introducer

Description	Gauge length	Box content	Item number units
BD First PICC™ with BD Introsyte™ Autoguard™ Introducer	16G (5 Fr) x 65 cm Dual Lumen	5	384183

BD First Midcath™ Midline Single Lumen Catheter

Description	Gauge length	Box content	Item number units
BD First Midcath™ Midline Catheter	20G (3 Fr) x 20 cm Single Lumen	5	384357
	18G (4 Fr) x 20 cm Single Lumen	5	384358

Description

- BD First PICC™, our Peripherally Inserted Central Catheter and BD First Midcath™, our midline catheter, are high-quality silicone catheters for safe and easy placement.
- Universal application
Breadth of line offers access options for neonate and geriatric patient populations.
- Soft silicone integrated extension set
Designed to enhance patient comfort and to provide increased mobility.
- Preattached T-port extension
Allows flushing of the catheter before and after insertion.
- Protective sleeve
Designed to minimize accidental contamination of the catheter

- Numbered catheter markings
Designed to allow easy measurement and catheter trimming prior to insertion.
- Trimming tool
Catheter trim tool is designed to ensure clean and accurate trimming and provides a 90° cut consistent with FDA recommendation.

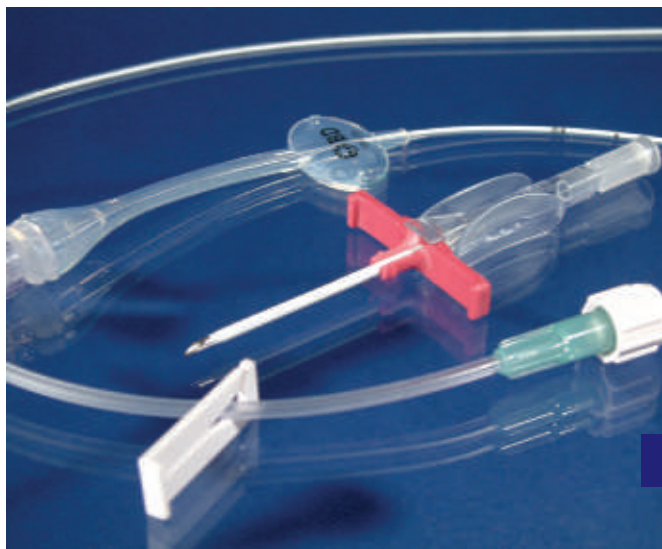
Sterilisation method

- Ethylene oxide

Shelf life

- 3 years

- CE marked
- Latex free



PERIPHERALLY INSERTED MIDLINE and CENTRAL CATHETERS FOR IV ACCESS

BD L-Cath™ Polyurethane Catheters

Sterile, single use

BD L-Cath™ PICC Single Lumen Catheter Only

Description	Gauge length	Box content	Item number units
BD L-Cath™ Peripherally Inserted Central Catheter	24G x 60 cm Single Lumen	5	384539
	20G x 60 cm Single Lumen	5	384463
	18G x 60 cm Single Lumen	5	384464*
	16G x 60 cm Single Lumen	5	384465*

BD L-Cath™ PICC Dual Lumen Catheter Only

Description	Gauge length	Box content	Item number units
BD L-Cath™ Peripherally Inserted Central Catheter	20G x 60 cm Dual Lumen	5	384466
	18G x 60 cm Dual Lumen	5	384467
	16G x 60 cm Dual Lumen	5	384468*

BD L-Cath™ PICC Single Lumen Basic Kit with BD Introsyte™ Autoguard™ Shielded Introducer

Description	Gauge length	Box content	Item number units
BD L-Cath™ Basic Kit with Introducer	20G x 60 cm Single Lumen	5	384481*
	18G x 60 cm Single Lumen	5	384490*

BD L-Cath™ PICC Single Lumen Basic Kit with BD™ Break-Away Needle Introducer

Description	Gauge length	Box content	Item number units
BD L-Cath™ with BD™ Break-Away Needle Introducer	30G x 25 cm Dual Lumen	5	384516

BD L-Cath™ PICC Dual Lumen Basic Kit with BD Introsyte™ Autoguard™ Shielded Introducer

Description	Gauge length	Box content	Item number units
BD L-Cath™ Basic Kit with Introducer	18G x 60 cm Dual Lumen	5	384575*
	16G x 60 cm Dual Lumen	5	384584*

BD L-Cath™ Midline Single Lumen Catheter Only

Description	Gauge length	Box content	Item number units
BD L-Cath™ Midline Catheter	20G x 20 cm Dual Lumen	5	384620*
	18G x 20 cm Dual Lumen	5	384621*

BD L-Cath™ Midline Single Lumen Basic Kit with BD Introsyte™ Autoguard™ Shielded Introducer

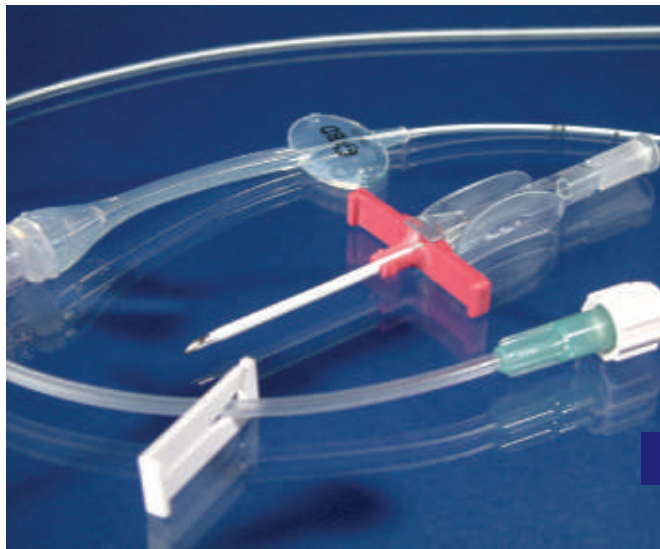
Description	Gauge length	Box content	Item number units
BD L-Cath™ Basic Kit with Introducer	20G x 20 cm Dual Lumen	5	384631*
	18G x 20 cm Dual Lumen	5	384635*

* Product will be available in 2009. Please contact your local sales representative for product availability.

Description

- BD L-Cath™ Catheters for PICC and Midline Catheters - the polyurethane material provides strength and increased flow rates. Designed for safe and easy placement.
- Trimming tool
Catheter trim tool is designed to ensure clean and accurate trimming and provides a 90° cut consistent with FDA recommendation.

- Preattached Y-site
Preattached Y-site connector allows flushing of catheter before, during and after the insertion.
- Protective sleeve
Designed to minimize accidental contamination of the catheter.
- Latex free



PERIPHERALLY INSERTED MIDLINE and CENTRAL CATHETERS

BD Introsyte™ Introducer

Sterile, single use

BD Introsyte™ Autoguard™ Shielded Introducer

Description	Gauge length	Box content	Item number units
Shielded Introducer for PICC and Midline Catheters	26G (1.9 Fr)	10	384008
	20G (3 Fr)	10	384010
	18G (4 Fr)	10	384011
	16G (5 Fr)	10	384012

BD Introsyte™ Introducer

Description	Gauge length	Box content	Item number units
Introducer for PICC and Midline Catheters	26G (1.9 Fr)	10	384021
	20G (3 Fr)	10	384030
	18G (4 Fr)	10	384040
	16G (5 Fr)	10	384050

BD™ Safety MST Accessory Kit

Description	Gauge length	Box content	Item number units
Accessory Kit for PICC and Midline Catheters Placement	20G (3 Fr) x 65 cm Single Lumen	10	384822
	18G (4 Fr) x 65 cm Single Lumen	10	384823
	16G (5 Fr) x 65 cm Single Lumen	10	384824

Description

- The BD Introsyte™ family of introducers incorporates superior insertion characteristics designed to enhance first-stick proficiency:
 - High-quality tipping process.
 - Minimal lie distance.
 - Superior needle lubrication.

Sterilisation method

- Ethylene oxide

Shelf life

- 3 years

- CE marked

- Latex free

Description

- BD™ Safety MST Accessory Kits for PICC and Midline placement using the modified Seldinger Technique. BD™ Safety MST Accessory Kits incorporate the highest-quality safety components. Each kit includes the following:
 - BD Introsyte™ Autoguard™ shielded IV catheter.
 - Echogenic-tipped protected needle
 - BD Bard-Parker™ safety-engineered protected disposable scalpel
 - Marked 5cm guidewire
 - Lubricated, tapered-tip sheath dilator
 - Inner sterile package

Sterilisation method

- Ethylene oxide

Shelf life

- 3 years

- CE marked



INFUSION SETS

Description	Length	Comment	Item number
BD R 87 P	180 cm	Vented Standard Set	396350
BD R 87 Flexinert™ P	180 cm	PVC Free	396352
BD R 87 RLS	180 cm	Back flow valve in BD Luer-Lok™	396353
BD R 87 V	180 cm	Back flow valve in Air Channel	396363
BD R 87 V / RLS	180 cm	Back flow valve in BD Luer-Lok™ and in Air Channel	396373

BD has a range of quality infusion sets which offer a maximum of safety and user comfort

Description

- BD R 87 infusion contributes to managing risks within IV Therapy due to the lockable ventilation and precise roller clamp. The 15 mm liquid filter in the drip chamber as well as the BD Luer-Lok™ connector provide additional patient safety.
- BD R 87 Flexinert™ P infusion sets - the PVC-free alternative.
- BD R 87 RLS infusion sets with backvalve integrated in the BD Luer-Lok™ offer an effective protection for parallel infusions.

- BD R 87 V infusion sets with automatic ventilation offer additional safety when there is risk for moistening the filter resulting in a halted infusion.

This is prevented by an integrated back flow valve in front of the bacterial tight filter in the air channel.

- In addition we can also offer customized solutions.

Sterilisation method

- Ethylene oxide
- CE marked
- Latex free



INFUSION ACCESSORIES

Caps and Plugs

Description	Colour	Box content units	Item number
BD Luer-Lok™ Plug	White	200	394080
BD Combi Plug Male/Female	Orange	100	394075
BD Rubber membrane BD Luer-Lok™ plug	Yellow	100	394074
BD Protection cap for Luer syringe	Yellow	100	394090



INFUSION ACCESSORY

BD™ One-Way Valve

Sterile, single use

Description	Flow Rate (ml/min.)	Box content units	Item Number
BD™ One-Way Valve	250	100	397019

Description

When more than one IV line is connected to a single access point, back tracking of fluids can occur if one line has no flow or a slower flow of fluid running through it. The fluid will back track as it will take the path of least resistance.

This one-way Luer Lock valve is a mechanical device which allows fluid to flow through IV infusion lines in one way only.

Sterilisation method

- Ethylene oxide

Shelf life

- 5 years
- CE marked
- Latex free



CLOSED, NEEDLELESS IV INFUSION SYSTEM

BD Interlink™

Sterile, single use

Description	Box content units	Item number
Injection site	200	303328
Bare cannula	100	303376
Lever Lock cannula	100	303370
Threaded Lock cannula	100	303379
Vial Access cannula	100	303377

Description

- BD Interlink™, a unique technology which prevents all risk of needle stick injury as it contains no needles.
- BD Interlink™, a closed system, with four basic components, which permits:
 - reliable, practical and clean connection to intravenous access points (closed system);
 - bolus drug administration via intravenous access points by means of closed system;
 - collection of blood samples by means of closed system, without exposure to blood;
- BD Interlink™ prevents risk of needle stick injuries for hospital staff and minimises septic risk for patients.
- System compatible with the administration of lipids.

Sterilisation method

- Gamma Irradiation
- CE marked
- Latex free

Materials

- Ordinary cannula, cannula with threaded fitting and protective polypropylene cap. Polyester injection site and synthetic elastomer membrane.



IV DRESSING

BD Veca-C™, BD Vecafix™

Sterile, single use

Description	Box content units	Item number
BD Veca-C™	50	392020
BD Vecafix™	50	392015

Description

- BD Veca-C™ and BD Vecafix™ are sterile IV dressing for optimum fixation of ported and non-porting IV catheters.
- BD Veca-C™ and BD Vecafix™ protects the insertion site and allows the site to breathe.
- The wound pad absorbs exudate at the insertion site, keeping the site dry.
- A comfort pad, to be placed under the wings of the IV catheter, is included in the pack.
- In addition, BD Veca-C™ has a transparent window of polyurethane that allows for visualisation of phlebitis along the catheter track.

Sterilisation method

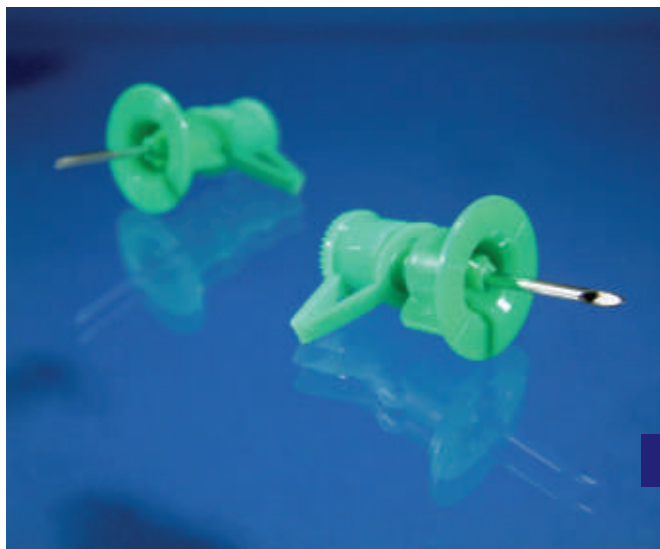
- Ethylene oxide

Shelf life

- 5 years

- CE marked

- Latex free



BD FloPro™

Sterile, single use

Description	Box content units	Item number
BD FloPro™ Transfer needle	50	397015
BD FloPro™ Withdrawal cannula	50	394181

Description

- The BD FloPro™ Withdrawal cannula allows drugs to be drawn from a vial into a Luer syringe without using needles prior to injection.
- The BD FloPro™ Transfer needle allows convenient, economic and safe mixing of pharmaceuticals prior to administration. The two spikes are siliconised for easier penetration.

Sterilisation method

- Ethylene oxide

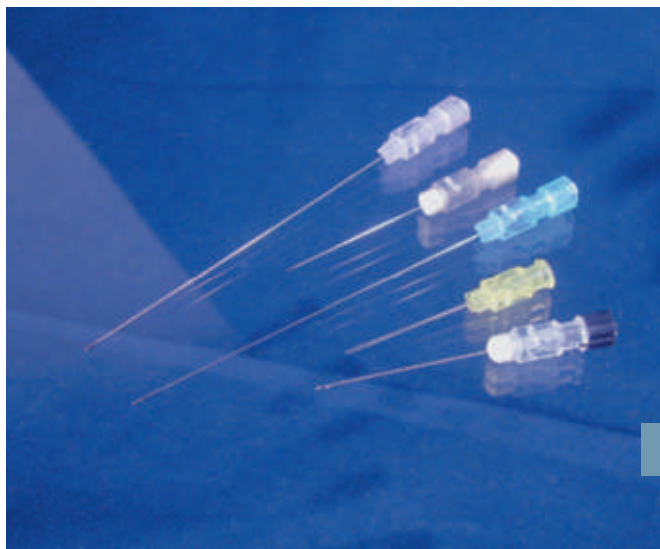
Shelf life

- 5 years

- Item number 394181: CE marked

- Latex free

ANAESTHESIA SYSTEMS



SPINAL ANAESTHESIA

BD™ Whitacre Pencil Point Spinal Needles

Sterile, single use

Description	Gauge and Length (mm)	Colour code	Box content units	Item number
BD™ Whitacre pencil point	27G x 90 mm (3½")	Grey	25	402051
	27G x 103 mm (4¼")	Grey	25	405111
	25G x 90 mm (3½")	Blue	25	402050
	25G x 103 mm (4¼")	Blue	25	405110
	24G x 90 mm (3½")	Purple	25	405104
	22G x 90 mm (3½")	Black	25	401995
BD™ Whitacre long length	27G x 119 mm (4½") long	Grey	10	409443
	25G x 119 mm (4½") long	Blue	10	409442
BD™ Whitacre with integral introducer	27G x 90 mm (3½") with 22G (1¼") introducer	Grey	25	405075
	27G x 103 mm (4¼") with 22G (1¼") introducer	Grey	25	405113
	25G x 90 mm (3½") with 20G (1¼") introducer	Blue	25	405076
	25G x 103 mm (4¼") with 20G (1¼") introducer	Blue	25	405112

Introducers

Description	Colour code	Box content units	Item number
Introducer 20G x 32 mm (1¼") for BD™ Whitacre 25G	Yellow	25	405260
Introducer 22G x 32 mm (1¼") for BD™ Whitacre 27G	Black	25	405261

Description

- Side orifice very close to tip to prevent intermediate positioning in dura mater.
- 45° injection flow angle reduces the possibility of straddling the dura.
- Distal tip with high mechanical strength to minimize bending and breaking.
- Full closure of side orifice by means of hub.
- Translucent base with 'magnifying' effect for rapid visualisation of CSF.
- Silicone-free: no side effects.
- Good needle grip and handling.
- Biologically safe: controlled sterilisation.
- Thin wall ensures identical flash-back time with 27G and 25G.
- Individually packed in sterile peel-back 'blister packs'.
- Designed to spread the dural fibres and help reduce the occurrence of post dural puncture headache.

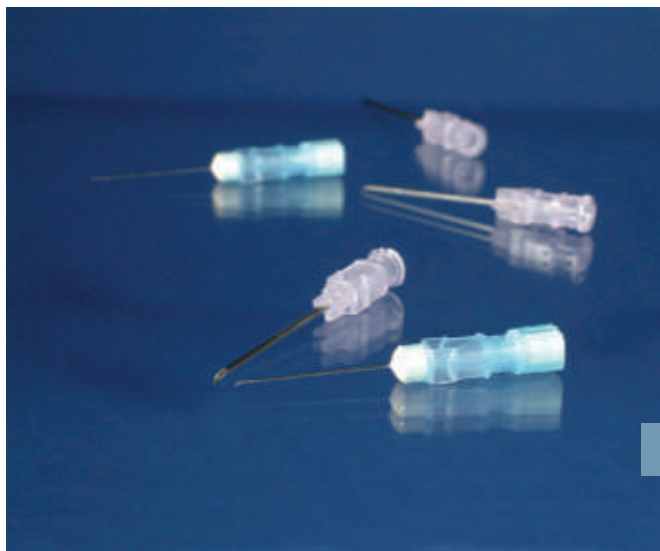
Type of materials

- Needle and hub: Special stainless steel
- Base of needle and hub: Polypropylene
- Attachment of needle/hub to base: Insert moulding
- Marking inks on packaging

Sterilisation method

- Ethylene oxide

- CE marked
- Latex free



SPINAL ANAESTHESIA

BD™ Spinal Needles Quincke Type Point

Sterile, single use

Gauge and Length (mm)	Colour code	Box content units	Item number
27G x 90 mm (3½")	Grey	25	405259
26G x 90 mm (3½")	Brown	25	405258
25G x 90 mm (3½")	Orange	25	405257
25G x 75 mm (3")	Blue	25	405246
23G x 90 mm (3½")	Turquoise	25	405240
22G x 90 mm (3½")	Black	25	405256
22G x 76 mm (3")	Black	25	405255
22G x 65 mm (2½")	Black	25	405244
22G x 38 mm (1½")	Black	25	405254
20G x 90 mm (3½")	Yellow	25	405253
20G x 76 mm (3")	Yellow	25	405252
20G x 38 mm (1½")	Yellow	25	405251
19G x 90 mm (3½")	Cream	25	405250
19G x 76 mm (3")	Cream	25	405249
18G x 90 mm (3½")	Pink	25	405248
18G x 75 mm (3")	Pink	25	405247

Description

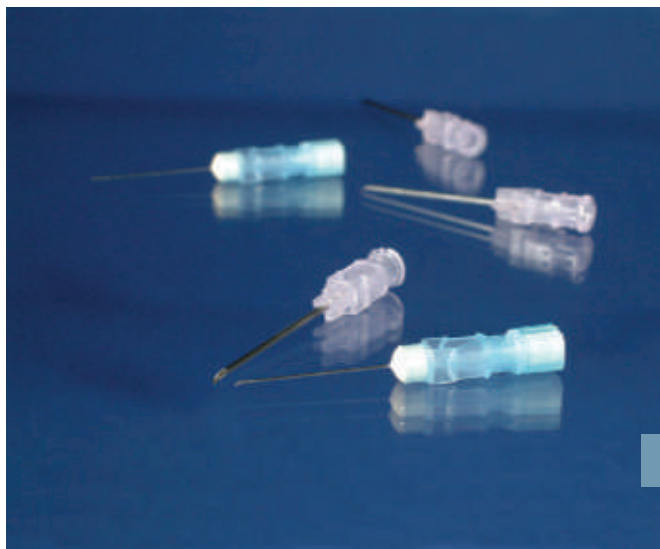
- Fine Quincke bevel (short bevel): high quality penetration.
- High quality steel needle for easy, regular insertion.
- Accurate alignment of needle and stylet: prevents biopsy effect.
- Translucent hub for clearer visualisation of CSF.
- Silicone-free: no side effects.
- Good needle grip and handling.
- Biologically safe: controlled sterilisation.
- Individually packed in sterile peel-back 'blister packs'.

Type of materials

- Cannula: Special stainless steel
- Hub of needle and base of stylet: Polypropylene
- Attachment of needle/hub to base: Epoxy resin, or needle set into base
- Marking inks on packaging

Sterilisation method

- Ethylene oxide
- CE marked
- Latex free



SPINAL ANAESTHESIA

BD™ Spinal Needles Quincke Type Point

Sterile, single use

Long length spinal needles

Gauge and Length (mm)	Colour code	Box content units	Item number
25G x 119 mm (4 ¹¹ / ₁₆ "	Blue	10	405234
22G x 130 mm (5"	Black	10	405148
22G x 180 mm (7"	Black	10	405149
20G x 150 mm (6"	Yellow	10	405211
18G x 150 mm (6") Intradiscal therapy needle	Pink	10	408360

Paediatric spinal needles

Gauge and Length (mm)	Colour code	Box content units	Item number
25G x 25 mm (1"	Blue	25	405243
25G x 50 mm (2"	Blue	25	405245

Spinal needle sets for local anaesthesia

Gauge and Length (mm)	Colour code	Box content units	Item number
Needle 29G x 90 mm (3 ¹ / ₂ " Introducer 22G x 32 mm (1 ¹ / ₄ "	Transparent Transparent	25	405068
Needle 27G x 90 mm (3 ¹ / ₂ " Introducer 22G x 32 mm (1 ¹ / ₄ "	Grey Transparent	25	405069
Needle 26G x 90 mm (3 ¹ / ₂ " Introducer 20G x 32 mm (1 ¹ / ₄ "	Brown Yellow	25	405065
Needle 25G x 90 mm (3 ¹ / ₂ " Introducer 20G x 32 mm (1 ¹ / ₄ "	Orange Yellow	25	405084

Introducers for fine spinal needles

Gauge and Length (mm)	Colour code	Box content units	Item number
22G x 32 mm (1 ¹ / ₄ " for 27G needles	Black	25	405261
20G x 32 mm (1 ¹ / ₄ " for 25G needles	Yellow	25	405260

Needles for lumbar puncture and spinal anaesthesia use

Description

- Fine Quincke bevel (short bevel): high quality penetration.
- High quality steel needle for easy, regular insertion.
- Accurate alignment of needle and stylet: prevents biopsy effect.
- Translucent hub for clearer visualisation of CSF.
- Silicone free
- Good needle grip and handling.
- Biologically safe: controlled sterilisation.

Type of materials

- Needle and stylet: Special stainless steel
- Hub of needle and base of hub: Polypropylene
- Attachment of needle/hub to base: Epoxy resin, or needle set into base
- Marking inks on packaging

Sterilisation method

- Ethylene oxide
- CE marked
- Latex free



EPIDURAL PRODUCTS

BD Perisafe™ Plus, BD Mini-Perisafe™ Plus

Sterile, single use

BD Perisafe™ Plus

Set content	Box content units	Item number with glass syringe	Item number with plastic syringe
BD™ Tuohy Weiss epidural needle (with wings) 17G x 80 mm Closed end epidural catheter 19G x 900 mm (36") with introducer 0.22µ flat filter BD Luer-Lok™ cap Catheter connector 10 ml low-friction glass or plastic syringe	12	401500	401506
BD™ Tuohy Weiss epidural needle (with wings) 17G x 80 mm Open end epidural catheter 19G x 900 mm (36") with introducer Sets include other accessories as in set numbers 401500 and 401506	12	401700	401507
BD™ Tuohy Weiss epidural needle (with wings) 18G x 80 mm Closed end epidural catheter 20G x 900 mm (36") with introducer Sets include other accessories as in set numbers 401500 and 401506	12	401600	401508
BD™ Tuohy Weiss epidural needle (with wings) 18G x 80 mm Closed end epidural catheter 20G x 900 mm (36") with introducer Sets include other accessories as in set numbers 401500 and 401506	12	401800	401509

BD Mini-Perisafe™ Plus (without BD Epilor™ syringe)

Set content	Box content units	Item number
BD™ Tuohy Weiss epidural needle 17G x 80 mm Closed end epidural catheter 19G x 36"- 90 mm with introducer Catheter connector 0.22µ flat filter BD Luer-Lok™ cap	12	401510
BD™ Tuohy Weiss epidural needle 18G x 80 mm Closed end epidural catheter 20G x 36"- 90 mm with introducer Other accessories like item number 401510	12	401511

Description

- Precise adjustment of stylet in the Epidural BD™ Tuohy Weiss needle, minimising the 'hole-punch' effect and preventing dispersion of tissues as needle moves.
- Light, translucent base with excellent grip facilitates accurate placing of the needle in the epidural space.
- Graduated in cm with correspondence between needle and catheter facilitating evaluation of insertion depth.
- The design of the epidural catheter provides increased strength, higher flow rate and improves insertion.
- The material of the catheter causes less damage to the dura mater.

Safety of insertion

- Radiopaque catheter for increased safety.
- Non-traumatic rounded catheter tip prevents vessel and tissue damage, thus reducing epidural anaesthesia risks.

- Low strength glass or plastic BD Epilor™ syringe for easy detection of the epidural space.
- The latex free 'Catheter Connector' is designed to hold the catheter firmly without causing either deformation or kinking.

Packaging

- Packed individually in strong peel-back 'blister packs'

Sterilisation method

- Ethylene oxide

Type of materials

- The epidural catheter is composed of nylon and tungsten



EPIDURAL PRODUCTS

BD Perisafe™

Sterile, single use

BD Perisafe™ - Set content

3.5" BD™ Tuohy Weiss epidural needle	Plastik L.O.R.* Syringe	Closed end epidural catheter	Open end epidural catheter	Filter	BD Luer-Lok™ Cap	Box content units	Item number
16G	x	19G		x	x	12	402056
18G		20G				12	402062
18G	x	20G		x	x	12	402061
17G	x	19G		x		12	402060
17G	x	19G				12	402059
16G	x		19G	x	x	12	402058
16G	x	19G		x		12	402057
16G		19G				12	402055
18G	x	20G		x	x	12	402064
17G	x	19G		x	x	12	402066
18G	x		19 G	x	x	12	402067
17G	x		19 G	x	x	12	402065

*Loss of Resistance Syringe

Description

- Secondary bevel point geometry in BD™ Tuohy needles is specially designed to provide more tactile feedback during procedure.
- Shorter point length than standard epidural needles designed to further minimize accidental dural puncture.
- Precise adjustment of stylet in the Epidural Weiss needle, minimises the 'hole-punch' effect and hence disruption of tissues as the needle moves
- Low friction L.O.R.* syringe for easy detection of the epidural space

Standard Components included in all BD Perisafe™

Kits:

- BD™ Tuohy Weiss epidural needle (90mm / 3.5")
- Catheter connector
- Round epidural catheter with
- BD™ Tuohy borst adaptor

Sterilisation method

- Ethylene oxide

Type of materials

- The epidural catheter is composed of nylon and tungsten
- CE marked
- Latex free



EPIDURAL PRODUCTS

BD Epidural Products - Individual Components

Sterile, single use

Individual components	Box content units	Item number
7ml BD Luer-Lok™, Plastic L.O.R.* Syringe	10	405291
7ml Luer Slip, Plastic L.O.R.* Syringe	10	405292
19G epidural catheter - closed end with 8 cm epidural connector	10	400513
20G epidural catheter - closed end with 8 cm epidural connector	10	400511
Epidural filter 0.22µ with BD Luer-Lok™ cap	5	401490
Statlock Securement Device	50	402076

Description

Catheter

- Eases threadability and placement
- Does not interfere with flow
- Flexible thus reduces potential for dural puncture
- Available in closed end (multiport) tip configuration
- Catheter with depth markings to match needle length
- Latex free

Connector

- Prevent catheter pull-out while resisting occlusion from overtightening.
- Latex free

BD Epilor™ Loss of Resistance Syringe

- Epilor Plastic Loss of Resistance (L.O.R.) syringe has a double ribbed stopper to prevent leakage during aspiration.
- Epilor Precision Glass Loss of Resistance (L.O.R.) syringe has a smooth plunger movement to help locate the epidural space.



COMBINED SPINAL/EPIDURAL ANAESTHESIA SETS

BD Durasafe Plus™

Sterile, single use

Set content	Box content units	Item number with glass syringe	Item number with plastic syringe
BD™ Tuohy Weiss epidural needle (with wings) 17G x 80 mm BD™ Whitacre pencil point needle 25G x 110 mm Closed end epidural catheter 19G x 900 mm (36") with introducer 0.22µ flat filter BD Luer-Lok™ cap Catheter connector 10 ml low-friction glass or plastic syringe	12	405090	401504

BD Durasafe™ Sets for Combined Spinal/Epidural (CSE) Anaesthesia

Description

- The BD range of CSE anaesthesia sets has been designed to ensure correct placing of the needle. The length of the spinal needle has been calculated to extend 11 mm further than the Epidural Weiss needle.
- All BD Durasafe™ sets contain the low strength glass or plastic BD Epilor™ syringe and the latex-free 'Catheter Connector', enhancing the reliability of the connection between the catheter and the 0.22 micron filter.
- The design of the epidural catheter provides increased strength, higher flow rate and improved insertion.
- The material of the catheter causes less damage to the dura mater.

Epidural Set components

- Certain components are also available separately. Please contact your local BD office for further information.

Sterilisation method

- Ethylene oxide

Packaging

- Packed individually in strong peel-back 'blister packs'

Type of materials

- The epidural catheter is composed of nylon and tungsten
- CE marked
- Latex free



COMBINED SPINAL/EPIDURAL ANAESTHESIA SETS

Adjustable BD Durasafe Plus™

Sterile, single use

Set content	Box content units	Item number with glass syringe	Item number with plastic syringe
BD™ Tuohy Weiss epidural needle (with wings) 17G x 80 mm BD™ Whitacre pencil point needle 27G x 143 mm Closed end epidural catheter 19G x 900 mm (36") with introducer 10 ml low-friction glass or plastic syringe 0.22µ flat filter BD Luer-Lok™ cap Catheter connector	12	405056	401501
BD™ Tuohy Weiss epidural needle (with wings) 18G x 80 mm BD™ Whitacre pencil point needle 27G x 143 mm Closed end epidural catheter 20G x 900 mm (36") with introducer 10 ml low-friction glass or plastic syringe 0.22µ flat filter BD Luer-Lok™ cap Catheter connector	12	405057	401502

Description

- Light pressure on the push-button enables accurate placing and adjustment of the BD™ Whitacre needle in the subarachnoid space.
- The epidural needle, connected to the spinal needle, is locked into position as required.
- 0 to 15 mm adjustment at 1mm intervals to comply with appropriate techniques and the variations in patient morphology.
- All adjustable BD Durasafe™ sets contain the new low strength glass or plastic BD Epilor™ syringe and the new latex-free 'Catheter Connector', enhancing the reliability of the connection between the catheter and the 0.22 micron filter.
- The design of the epidural catheter provides increased strength, higher flow rate and improved insertion.
- The material of the catheter causes less damage to the dura mater.

Sterilisation method

- Ethylene oxide

Type of materials

- The epidural catheter is composed of nylon and tungsten
- CE marked
- Latex free



COMBINED SPINAL/EPIDURAL ANAESTHESIA SETS

BD Durasafe Plus™

Sterile, single use

Set content	Box content units	Item number
BD™ Tuohy Weiss epidural needle with CSE lock 17G x 90 mm BD™ Whitacre pencil point needle 27G x 143 mm Closed end epidural catheter and introducer 19G x 900 mm (36") 7 ml LOR plastic syringe 0.22µ flat filter BD Luer-Lok™ cap Catheter connector	6	400286
BD™ Tuohy Weiss epidural needle with CSE lock 18G x 90 mm BD™ Whitacre pencil point needle 27G x 143 mm Closed end epidural catheter and introducer 20G x 900 mm (36") 7 ml LOR plastic syringe 0.22µ flat filter BD Luer-Lok™ cap Catheter connector	6	400287

Description Lock CSE Kits

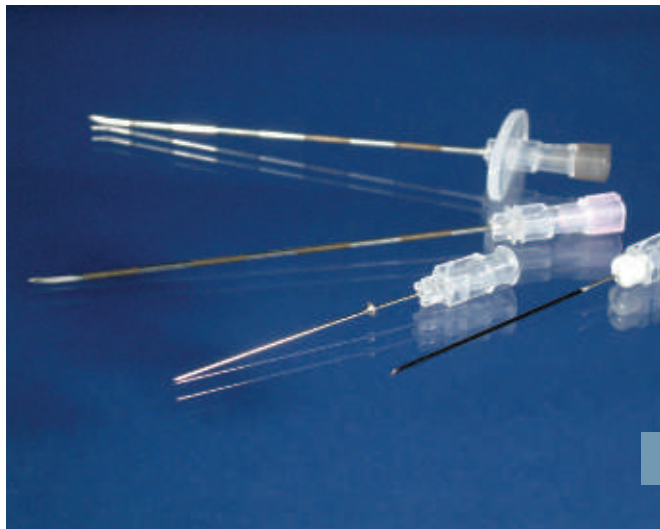
- The CSE lock mechanism can be de-activated and the BD™ Whitacre needle re-positioned for regional anaesthetic delivery.
- The CSE lock mechanism allows the connection of a syringe and injection of local anaesthetic without displacement of the spinal needle tip.
- The secure locking device permits the spinal needle to lock at any extension from 0 - 15mm distal to the epidural tip.
- The Whitacre™ spinal needle can rotate 360° when the mechanism is locked.
- The locking device is easy to use and provides stability between the two procedural needles putting you in control.

Sterilisation method

- Ethylene oxide

Type of materials

- The epidural catheter is composed of nylon and tungsten
- CE marked
- Latex free



LOCAL/REGIONAL ANAESTHESIA NEEDLES

Sterile, single use

BD™ Tuohy Epidural needle

Gauge and Length	Colour code	Box content units	Item number
17G x 90 mm (3½") modified point	Grey	10	405092
18G x 90 mm (3½") modified point	Pink	10	405018
20G x 90 mm (3½") modified point	Yellow	10	405028

BD™ Tuohy Weiss Epidural needle

Gauge and Length	Colour code	Box content units	Item number
16G x 90 mm (3½") modified point	Clear	10	405194
17G x 90 mm (3½") modified point	Grey	10	405191
17G x 127 mm (5") modified point	Grey	10	405193
18G x 90 mm (3½") modified point	Pink	10	405188
18G x 127 mm (5") modified point	Pink	10	405190
20G x 51 mm (2") modified point	Yellow	10	405185
20G x 90 mm (3½") modified point	Yellow	10	405186

BD™ Regional Block Needle (RBN)

Gauge and Length	Colour code	Box content units	Item number
22G x 38 mm (1½")	Black	10	408348

BD™ Tuohy or BD™ Tuohy Weiss Epidural needles

Description

- Epidural needle with locking base and 'modified Huber' bevel to minimise accidental dural puncture.
- Needle graduated every 10 mm, except paediatric epidural needle which is graduated every 5 mm.
- Needle equipped with moulded plastic hub.

BD™ Regional Block Needle

Description

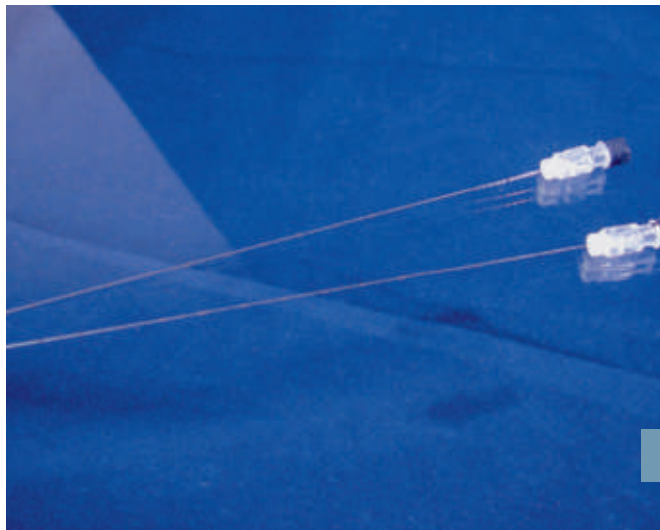
- Short-bevel 22G needle with a marker ball 38 mm from the distal end.

Packaging

- Packed individually in strong peel-back 'blister packs'

Sterilisation method

- Ethylene oxide
- CE marked
- Latex free



INTRADISCAL NEEDLES

BD™ Chiba Needles

Gauge and Length	Internal Diameter (mm)	Colour code	Box content units	Item number
22G x 153 mm (6")	0.48	Black	10	408268
22G x 203 mm (8")	-	Black	10	408269

Description

- 22G (7/10 mm) thin wall, short bevel (26°) needle with accurate grip which reduces the risk of vessel and tissue damage. Translucent base aids visualisation of vascular breaks.
- Hub locking system to prevent biopsy hazards.
- Two different needle lengths available.
- Needle graduated in centimetres to measure insertion depth.

Indications

- Soft tissue biopsy.
- Transhepatic cholangiography.
- Chemonucleolysis: the intradiscal needle is used as a guide for the BD™ Chiba needle the distal end of which has a 2 cm curve to improve intradiscal insertion.

Anaesthesiology

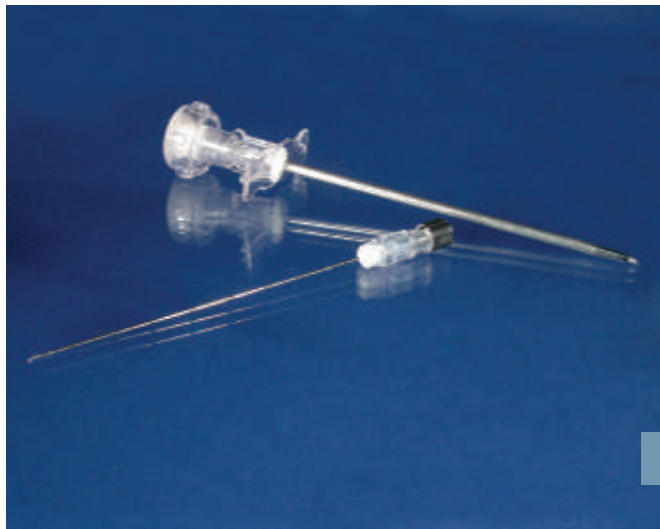
- Sciatic block.

Packaging

- Packed individually in peel-back 'blister packs'

Sterilisation method

- Ethylene oxide.
- CE marked
- Latex free



BIOPSY NEEDLES

Sterile, single use

BD™ Biopsy needle for bone marrow biopsy

Gauge and Length	Colour code	Box content units	Item number
11G x 102 mm (4")	White	10	408627

BD™ Westcott Biopsy needle (for histological, cytological and bacteriological sampling)

Gauge and Length	Colour code	Box content units	Item number
20G x 89 mm (3½")	Yellow	10	408262
20G x 140 mm (5½")	Yellow	10	408263
20G x 178 mm (7")	Yellow	10	408264
22G x 89 mm (3½")	Black	10	408265
22G x 140 mm (5½")	Black	10	408266
22G x 178 mm (7")	Black	10	408267

BD™ Biopsy needle for bone marrow biopsy

Description

- High quality collection due to double bevel with cutting edge.
- Single sterile use ensures quality and safety.
- Knob at end of bevel facilitates collection procedure.
- Winged to allow excellent handling.
- Biopsy of bone marrow, at iliac crest level.

BD™ Westcott Biopsy needle

Description

- For direct percutaneous fine needle aspiration biopsy.
- Available in two gauges and three lengths for maximum versatility for both deep and superficial masses.
- This needle has proven use for many biopsy applications including that of pulmonary, hilar and mediastinal masses, as well as lesions in the liver, pancreas and other areas.
- The BD™ Westcott Biopsy needle is a 2-piece, thin-wall needle modified to include a slotted opening measuring 2.2 mm in length located approximately 3 mm from the needle tip.

- The slot creates a second cutting edge, in addition to the needlepoint, enabling aspirations of larger amounts of material without any apparent increase in complications.
- For histological, cytological and bacteriological sampling.

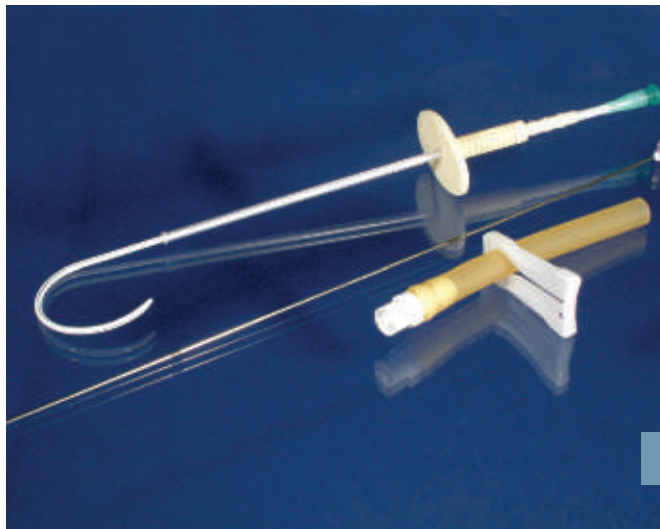
Packaging

- Packed individually in peel-back 'blister packs'

Sterilisation method

- Ethylene oxide

- CE marked
- Latex free



SUPRAPUBIC CATHETER

BD Bonnano™

Sterile, single use

Dimension	Box content units	Item number
14G x 30 cm (11") preformed catheter (7FR) with 18G x 30 cm (11") introducing needle	6	408289

The BD Bonnano™ catheter is a vesical catheter for suprapubic urinary bladder drainage, designed to reduce urinary infections. Vesical re-education is not systematically required and patient autonomy can be verified without removing the catheter.

Description

- High quality BD needle ensure non-traumatic introduction.
- Efficient drainage: Pre-formed curved catheter tip prevents obstruction by vesical wall and prevents trauma. The 3 lateral orifices and the distal orifice provide a flow rate of 10 ml/min.
- Wide wings ensure very efficient attachment.
- Clamp fitted onto drainage tube ensures flexible use.

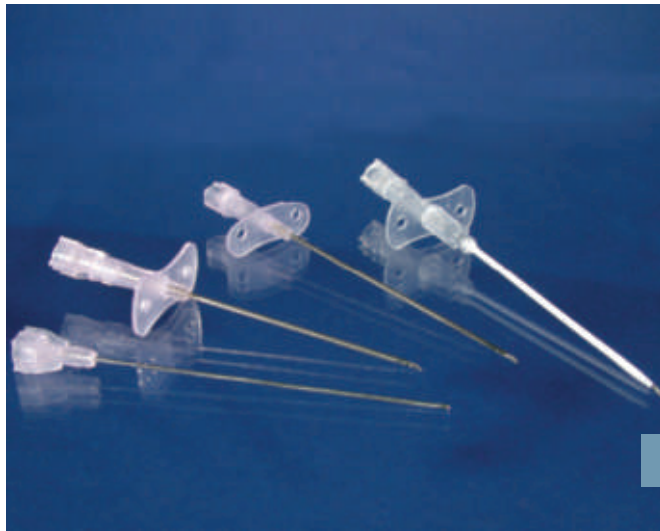
Contents of Kit

- Pre-formed "corkscrew" FEP Polymer catheter.
- Introducer needle, 30 cm long, diameter 12/10, with air permeable cap.
- Rubber tubing with BD Luer-Lok™ connector and clamp for attachment of urine bag and discontinuation of drainage.

Sterilisation method

- Ethylene oxide

- CE marked
- Latex free



ARTERIAL ANGIOGRAPHY NEEDLES

Sterile, single use

BD™ Potts-Cournand Needle for .035" and .038" wires

Description	Gauge	Colour code	Box content units	Item number
For usage with guidewires with a diameter between 80/100 and 95/100 (0.032" and 0.038")	18G x 50 mm (2 ³ / ₈ ")	Pink	10	408270

BD™ Arterial Needle

Description	Gauge	Colour code	Box content units	Item number
For usage with guidewires with a diameter between 80/100 and 95/100 (0.032" and 0.038")	18G x 73 mm (2 ⁷ / ₈ ")	Pink	10	408273

BD has designed three needles for use by radiologists to improve arterial insertion before angiography.

BD Amplatz™ Needle

Description

- In three parts, with an FEP Polymer * catheter, an inner needle and a fitted hub. The FEP Polymer radiopaque catheter fits over the needle perfectly and is bevelled to ensure penetration without trauma. Extremely flexible in order to facilitate the insertion of a guidewire.

BD™ Potts-Cournand Needle

Description

- In three parts consisting of an outer cannula, an inner cannula and a cap. For fast, efficient identification of arterial flow.

BD™ Arterial Needle

Description

- Single sterile use, in two parts, designed for Seldinger technique
- Inner needle
- Short-bevel arterial
- Thin wall outer needle
- Bevelled tip for easy insertion
- Polished tapered tip facilitates insertion of guidewire inside the needle

- Winged base improves handling

Packaging

- Packed in individual strong peel-back 'blister packs'.

Sterilisation method

- Ethylene oxide

- CE marked

- Latex free

*Teflon® is a registered trademark of DuPont

CRITICAL CARE



BD Floswitch™

Sterile, single use

Description	Box contents units	Item number [No for PL, CZ, HU, SK]
BD Floswitch™	25	681033 [681746]

Description

- BD Floswitch™ acts as an ON/OFF device on infusion lines, stopping the flow in order to carry out line procedures in closed circuit. Reduces the risk of patient emboli and potential contamination of hospital staff by exposure to blood. BD Floswitch™ therefore considerably increases safety.

Sterilisation method

- Ethylene oxide

Shelf life

- 5 years

Class IIa according to European Medical Devices Directive 93/42/EEC.

BD Floswitch™ closed

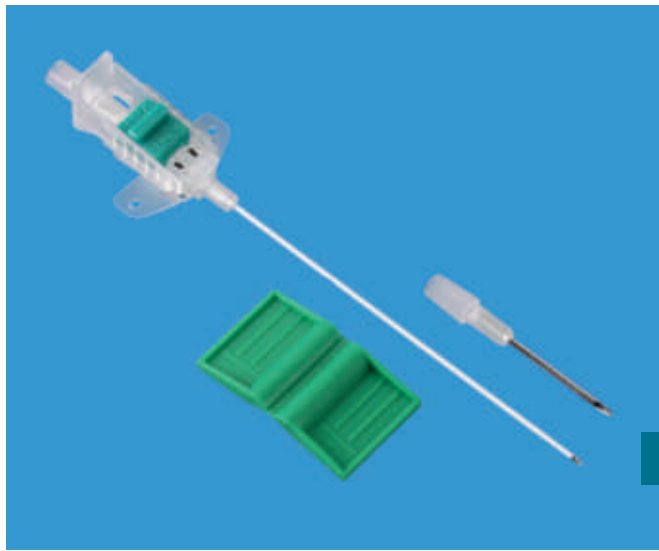


- System patented. External compression of the extension tubing by means of a steel ball, provides risk-free unambiguous opening and closing of the infusion line.

BD Floswitch™ open



- BD Floswitch™ can be connected to any catheter fitted with a Luer connector. Winged to facilitate attachment.



CENTRAL VENOUS CATHETERS

BD Secalon-T™

Sterile, single use

Gauge Catheter	Length mm	Catheter ext. diameter mm	Colour	Box content units	Item number [No for PL, CZ, HU, SK]	
18G	90	1.2	Green	25	681000	[681740]
16G	130	1.7	Grey	25	681002	[681741]
16G	160	1.7	Grey	25	681004	[681742]
14G	160	2.0	Orange	25	681006	[681743]

Description

- BD Secalon-T™ emergency catheter designed for high flow rate infusions.
- Incorporating a BD Floswitch™, BD Secalon-T™ is ideal for rapid short-term insertion into central veins or large peripheral vessels.
- Complete kit contains pre-puncture stylus and stabilising wing.

Sterilisation method

- Ethylene oxide

Shelf life

- 5 years

Class III according to European Medical Devices Directive 93/42/EEC.



CENTRAL VENOUS CATHETERS

BD Secalon™ Seldy

Sterile, single use

Gauge Catheter	Length mm	Cannula Introducer mm	Needle Introducer mm	Guidewire OD & Length mm	Box content units	Item number
16G	200	16G x 60	17G x 70	0.9 x 450	10	681014
16G	420	16G x 60	17G x 70	0.9 x 650	10	681011

Description

- BD Secalon™ Seldy - a “Seldinger” central venous catheter made of polyurethane and fitted with a BD Floswitch™.
- 681011 contain a cannula type and needle type introducer with a soft-tip “straight” metal guidewire.

Sterilisation method:

- Ethylene oxide

Shelf life:

- 5 years

Class III according to European Medical Devices Directive 93/42/EEC 93/42/EEC.



CENTRAL VENOUS CATHETERS

BD Careflow™ Single Lumen

Sterile, single use

BD Careflow™ is a range of paediatric and adult polyurethane central venous catheters designed for catheterisation by the Seldinger technique.

Available in single, double, triple, quadruple and quint lumen formats, this range of sets contains a steel guidewire and the BD Venaguide™ Seldinger wire advancing device facilitating single handed guidewire insertion.

BD Careflow™ catheters are latex free with tapered atraumatic catheter tip reducing the risk of venous damage and improving catheter insertion.

The streamlined junction hub enables ease of catheter suture and comfortable positioning on the patients skin.

BD Careflow™ catheters offer 1cm and 5cm interval depth markings to facilitate catheter placement with clear lumen size and hub colour coding indication.

BD Floswitch™ and BD Floswitch™ introducer catheter options available throughout range.

BD Careflow™ Single Lumen Sets without Extension

Catheter External Diameter	Catheter Length (mm)	Cannula Introducer Gauge	Cannula Introducer Length (mm)	BD Floswitch™ Introducer Gauge	BD Floswitch™ Introducer Length (mm)	Needle Introducer Gauge	Needle Introducer Length (mm)	Guidewire OD & Length (mm)	Box content units	Flow Rate (ml/min) D	Item No. w/o BD Floswitch™ [No. for PL, CZ, HU, SK]	Item No. with BD Floswitch™
2.5Fr (22G)	100	N/A	N/A	20G	45	22G	40	0.5 x 350	10	10	681614	681623
3Fr (20G)	150	N/A	N/A	20G	45	20G	40	0.5 x 350	10	16	681639 [681749]	681640
3Fr (20G)	200	N/A	N/A	20G	45	20G	40	0.5 x 450	10	15	681643	681644
4Fr (18G)	200	N/A	N/A	18G	60	17G	70	0.6 x 450	10	36	681649	681650
5Fr (16G)	150	N/A	N/A	15G	70	17G	70	0.9 x 450	10	71	681669	681670
5Fr (16G)	200	N/A	N/A	15G	70	17G	70	0.9 x 450	10	63	681672	681673
7Fr (14G)	150	N/A	N/A	14G	70	17G	70	0.9 x 450	10	190	681706	681707
7Fr (14G)	200	N/A	N/A	14G	70	17G	70	0.9 x 450	10	136	681709	681710

Description

- **Single lumen BD Careflow™ with BD Floswitch™ set contents:** BD Careflow™ polyurethane catheter, steel needle introducer, BD Floswitch™ overneedle introducer, vessel dilator, BD Venaguide™ Seldinger wire advancing device, BD Floswitch™ revolving BD Luer-Lok™ system, Luer Lock plug and secondary fixation device.
- **Single lumen BD Careflow™ without BD Floswitch™ set contents:** BD Careflow™ polyurethane catheter, steel needle introducer, BD Venaguide™ Seldinger wire advancing device and secondary fixation device.

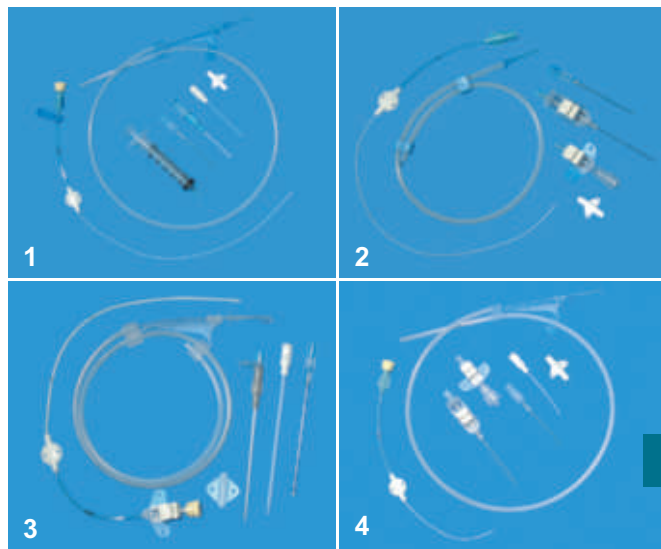
Sterilisation method

- Ethylene oxide

Shelf life

- 5 years

Class III according to European Medical Devices Directive 93/42/EEC.



CENTRAL VENOUS CATHETERS

BD Careflow™ Single Lumen Catheter Sets

Sterile, single use

Catheter External Diameter	Catheter Length (mm)	Cannula Introducer Gauge Length (mm)	BD Floswitch™ Introducer Gauge Length (mm)		Needle Introducer Gauge Length (mm)		Guidewire OD & Length (mm)	Box content units	Flow Rate (ml/min) D	Item Number w/o BD Floswitch™ [No. for PL, CZ, HU, SK]	Item Number with BD Floswitch™ [No. for PL, CZ, HU, SK]
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1. BD Careflow™ Single Lumen Sets with extension

2.5Fr (22G)	60	22G	38	N/A	N/A	22G	40	0.5 x 350	5	12	681612	
2.5Fr (22G)	100	22G	38	N/A	N/A	22G	40	0.5 x 350	5	10	681622	
2.5Fr (22G)	200	22G	38	N/A	N/A	22G	40	0.5 x 650	5	7	681634	
3Fr (20G)	150	20G	45	N/A	N/A	22G	40	0.5 x 450	5	18	681647	
3Fr (20G)	200	20G	45	N/A	N/A	22G	40	0.5 x 650	5	15	681638	
4Fr (18G)	60	20G	45	N/A	N/A	20G	40	0.5 x 350	5	47	681624	
4Fr (18G)	200	20G	45	N/A	N/A	20G	40	0.5 x 650	5	35	681658	
5Fr (16G)	150	16G	70	N/A	N/A	17G	70	0.9 x 450	5	65	681662	
5Fr (16G)	200	16G	70	N/A	N/A	17G	70	0.9 x 700	5	60	681666 [681753]	
5Fr (16G)	300	16G	70	N/A	N/A	17G	70	0.9 x 700	5	46	681679	
7Fr (14G)	150	16G	70	N/A	N/A	17G	70	0.9 x 450	5	159	681698	
7Fr (14G)	200	16G	70	N/A	N/A	17G	70	0.9 x 700	5	149	681699	
7Fr (14G)	300	16G	70	N/A	N/A	17G	70	0.9 x 700	5	136	681701	

2. BD Careflow™ Single Lumen Midline with BD Floswitch™

2.5Fr (22G)	200	N/A	N/A	20G	45	22G	40	0.5 x 450	10	7		681633 [681760]
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3. BD Careflow™ Single Lumen with integral BD Floswitch™

5Fr (16G)	150	16G	70	N/A	N/A	17G	70	0.9 x 450	10	65		681660
5Fr (16G)	200	16G	70	N/A	N/A	17G	70	0.9 x 700	10	60		681664
5Fr (16G)	300	16G	70	N/A	N/A	17G	70	0.9 x 700	10	46		681678

4. BD Careflow™ Single Lumen with extension and BD Floswitch™

2.5Fr (22G)	60	N/A	N/A	20G	45	22G	40	0.5 x 350	5	12		681615 [681748]
4Fr (18G)	60	N/A	N/A	20G	45	20G	40	0.5 x 350	5	47		681625

1. Single lumen BD Careflow™ set with extension contents*:

BD Careflow™ polyurethane catheter with clear extension, extension slide clamp, cannula introducer, steel needle, introducer, vessel dilator, BD Venaguide™ Seldinger wire advancing device, BD Luer-Lok™ plug, secondary fixation device and 5ml syringe.

2. Single lumen BD Careflow™ Midline set with BD Floswitch™

contents*: BD Careflow™ polyurethane catheter with clear extension, steel needle introducer, BD Floswitch™ overneedle introducer, PTFE coated soft-tip straight guidewire, BD Floswitch™ revolving BD Luer-Lok™ system, Luer Lock plug and secondary fixation device.

3. Single lumen BD Careflow™ set with integral BD Floswitch™

contents*: BD Careflow™ polyurethane catheter with clear extension and integral BD Floswitch™, cannula introducer,

steel needle introducer, vessel dilator, BD Venaguide™ Seldinger wire advancing device, BD Luer-Lok™ plug and secondary fixation device.

4. Single lumen BD Careflow™ set with extension and

BD Floswitch™ contents*: BD Careflow™ polyurethane catheter with clear extension, steel needle introducer, BD Floswitch™ overneedle introducer, vessel dilator, BD Venaguide™ Seldinger wire advancing device, BD Floswitch™ revolving BD Luer-Lok™ system, Luer Lock plug and secondary fixation device.

* Sterilisation method: Ethylene oxide

Shelf life: 5 years

(except 681660, 681664 and 681678 with shelf life: 3 years)

Class III according to European Medical Devices Directive 93/42/EEC. Sterile double tray packaging for increased safety



CENTRAL VENOUS CATHETERS

BD Careflow™ Double Lumen Catheter Sets

Sterile, single use

Catheter External Diameter	Catheter Length (mm)	Cannula Introducer		BD Floswitch™ Introducer		Needle Introducer		Guidewire OD & Length (mm)	Box content (units)	Flow Rate (ml/min)					Item No. w/o BD Floswitch™ [No. for PL, CZ, HU, SK]	Item No. with BD Floswitch™ [No. for PL, CZ, HU, SK]
		Gauge	Length (mm)	Gauge	Length (mm)	Gauge	Length (mm)			D	M1	M2	P1	P2		

BD Careflow™ Double Lumen Sets

4Fr (20G, 22G)	60	20G	45	20G	45	20G	40	0.5 x 350	5	20				8	681616	681617
4Fr (20G, 22G)	100	20G	45	20G	45	20G	40	0.5 x 350	5	19				6	681626	681627
4Fr (20G, 22G)	150	20G	45	20G	45	20G	40	0.5 x 450	5	16				4	681653	681652
4Fr (20G, 22G)	200	20G	45	20G	45	20G	40	0.5 x 450	5	17				4	681656	681655 [681752]
5Fr (18G, 20G)	60	18G	60	18G	60	17G	70	0.6 x 650	5	40				10	681619	681628
5Fr (18G, 20G)	150	18G	60	18G	60	17G	70	0.5 x 350	5	29				6	681683	681682
5Fr (18G, 20G)	200	18G	60	18G	60	17G	70	0.5 x 650	5	30				6	681687	681686
7Fr (16G, 18G)	150	16G	70	15G	70	17G	70	0.9 x 450	5	74				24	681703 [681755]	681702 [681754]
7Fr (16G, 18G)	200	16G	70	15G	70	17G	70	0.9 x 700	5	73				21	681714	681713
7Fr (16G, 18G)	300	16G	70	15G	70	17G	70	0.9 x 700	5	61				19	681718 [681756]	681717

Description

- **Double lumen BD Careflow™ with BD Floswitch™ set**
contents: BD Careflow™ double lumen polyurethane catheter with clear extensions, steel needle introducer, BD Floswitch™ overneedle introducer, vessel dilator, BD Venaguide™ Seldinger wire advancing device, BD Floswitch™ revolving BD Luer-Lok™ system, Luer Lock plugs and secondary fixation device. Sterile double tray packaging for increased safety.
- **Double lumen BD Careflow™ without BD Floswitch™ set**
set contents: BD Careflow™ double lumen polyurethane catheter with clear extensions, cannula introducer, steel needle introducer, BD Venaguide™ Seldinger wire advancing device, extension slide clamps, 5ml syringe, Luer Lock plugs and secondary fixation device. Sterile double tray packaging for increased safety.

Sterilisation method

- Ethylene oxide

Shelf life

- 5 years

Class III according to European Medical Devices Directive 93/42/EEC.



CENTRAL VENOUS CATHETERS

BD Careflow™ Triple Lumen Catheter Sets

Sterile, single use

Catheter External Diameter	Catheter Length	Cannula Introducer		BD Floswitch™ Introducer		Needle Introducer		Guidewire OD & Length Length (mm)	Box content units	Flow rate (ml/min)					Code w/o BD Floswitch™ [No. for PL, CZ, HU, SK]	Code with BD Floswitch™ [No. for PL, CZ, HU, SK]
		Gauge	Length (mm)	Gauge	Length (mm)	Gauge	Length (mm)			D	M1	M2	P1	P2		

BD Careflow™ Triple Lumen Sets

5Fr (18G, 20G, 20G)	60	18G	60	18G	60	17G	40	0.6 x 450	5/50	40	10		12		681620	681629
5Fr (18G, 20G, 20G)	100	18G	60	18G	60	17G	40	0.6 x 450	5/50	32	7		8		681630	681618
5Fr (18G, 20G, 20G)	150	18G	60	18G	60	17G	40	0.6 x 450	5/50	29	5		6		681691	681690
5Fr (18G, 20G, 20G)	200	18G	60	18G	60	17G	40	0.6 x 450	5/50	26	5		5		681695	681694
7Fr (16G, 18G, 18G)	150	16G	70	15G	70	17G	70	0.9 x 450	5/50	66	22		23		681721 [681757]	681720
7Fr (16G, 18G, 18G)	200	16G	70	15G	70	17G	70	0.9 x 700	5/50	59	16		17		681725 [681759]	681724 [681758]
7Fr (16G, 18G, 18G)	300	16G	70	15G	70	17G	70	0.9 x 700	5/50	53	11		9		681729	681728

Description

- Triple lumen BD Careflow™ with BD Floswitch™ set**
contents: BD Careflow™ triple lumen polyurethane catheter with clear extensions, steel needle introducer, BD Floswitch™ overneedle introducer, vessel dilator, BD Venaguide™ Seldinger wire advancing device, BD Floswitch™ revolving BD Luer-Lok™ system, Luer Lock plugs and secondary fixation device.
 Sterile double tray packaging for increased safety.
- Triple lumen BD Careflow™ without BD Floswitch™ set**
set contents: BD Careflow™ triple lumen polyurethane catheter with clear extensions, cannula introducer, steel needle introducer, BD Venaguide™ Seldinger wire advancing device, extension slide clamps, 5ml syringe, Luer Lock plugs and secondary fixation device.
 Sterile double tray packaging for increased safety.

Sterilisation method

- Ethylene oxide

Shelf life

- 5 years

Class III according to European Medical Devices Directive 93/42/EEC.



CENTRAL VENOUS CATHETERS

BD Careflow™ Quad Lumen Catheter Sets

Sterile, single use

Catheter External Diameter	Cath. Length	Cannula Introducer		BD Floswitch™ Introducer		Needle Introducer		Guidewire OD & Length	Box content units	Flow rate (ml/min)					Code w/o BD Floswitch™	Code with BD Floswitch™
		Gauge	Length	Gauge	Length	Gauge	Length			D	M1	M2	P1	P2		

BD Careflow™ Quad Lumen Sets

8.5Fr (14G,16G,16G,18G)	150	16G	70	15G	70	17G	70	0.9 x 450	5	64	82	57	20		681731	681732
8.5Fr (14G,16G,16G,18G)	200	16G	70	15G	70	17G	70	0.9 x 700	5	58	76	45	19		681733	681734

Description

- **Quad lumen BD Careflow™ with BD Floswitch™ set**
contents: BD Careflow™ quad lumen polyurethane catheter with clear extensions, steel needle introducer, BD Floswitch™ overneedle introducer, vessel dilator, BD Venaguide™ Seldinger wire advancing device, BD Floswitch™ revolving BD Luer-Lok™ system, scalpel, Luer Lock plugs and secondary fixation device. Sterile double tray packaging for increased safety.
- **Quad lumen BD Careflow™ without BD Floswitch™ set**
contents: BD Careflow™ quad lumen polyurethane catheter with clear extensions, cannula introducer, steel needle introducer, BD Venaguide™ Seldinger wire advancing device, extension slide clamps, 5ml syringe, scalpel, Luer Lock plugs and secondary fixation device. Sterile double tray packaging for increased safety.

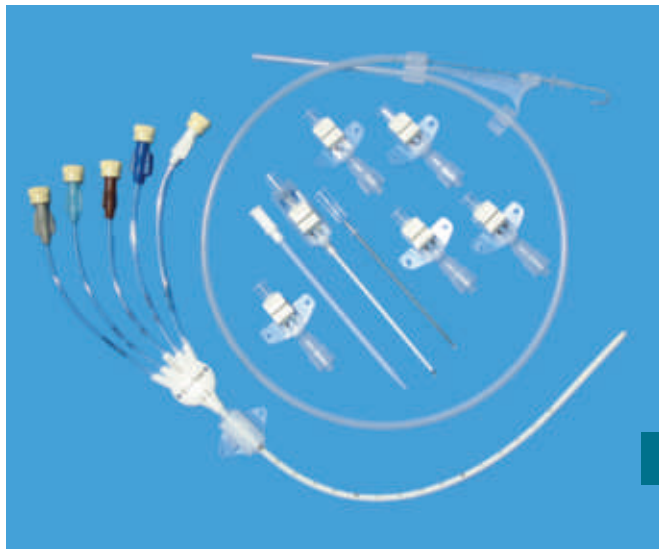
Sterilisation method

- Ethylene oxide

Shelf life

- 5 years

Class III according to European Medical Devices Directive 93/42/EEC.



CENTRAL VENOUS CATHETERS

BD Careflow™ Quint Lumen Catheter Sets

Sterile, single use

Catheter External Diameter	Cath. Length (mm)	Cannula Introducer		BD Floswitch™ Introducer		Needle Introducer		Guidewire OD & Length (mm)	Box content units	Flow Rate (ml/min)					Code w/o BD Floswitch™	Code with BD Floswitch™
		Gauge	Length (mm)	Gauge	Length (mm)	Gauge	Length (mm)			D	M1	M2	P1	P2		

BD Careflow™ Quint Lumen Sets

9.5Fr (14G,16G,16G,18G,18G)	150	16G	70	15G	70	17G	70	0.9 x 450	5	73	61	65	19	21	681735	681736
9.5Fr (14G,16G,16G,18G,18G)	200	16G	70	15G	70	17G	70	0.9 x 700	5	68	58	60	13	12	681737	681738

Description

- **Quint lumen BD Careflow™ with BD Floswitch™ set**
contents: BD Careflow™ quint lumen polyurethane catheter with clear extensions, steel needle introducer, BD Floswitch™ overneedle introducer, vessel dilator, BD Venaguide™ Seldinger wire advancing device, BD Floswitch™ revolving BD Luer-Lok™ system, scalpel, Luer Lock plugs and secondary fixation device.
 Sterile double tray packaging for increased safety.
- **Quint lumen BD Careflow™ without BD Floswitch™ set**
set contents: BD Careflow™ quint lumen polyurethane catheter with clear extensions, cannula introducer, steel needle introducer, BD Venaguide™ Seldinger wire advancing device, extension slide clamps, 5ml syringe, scalpel, injection caps and secondary fixation device.
 Sterile double tray packaging for increased safety.

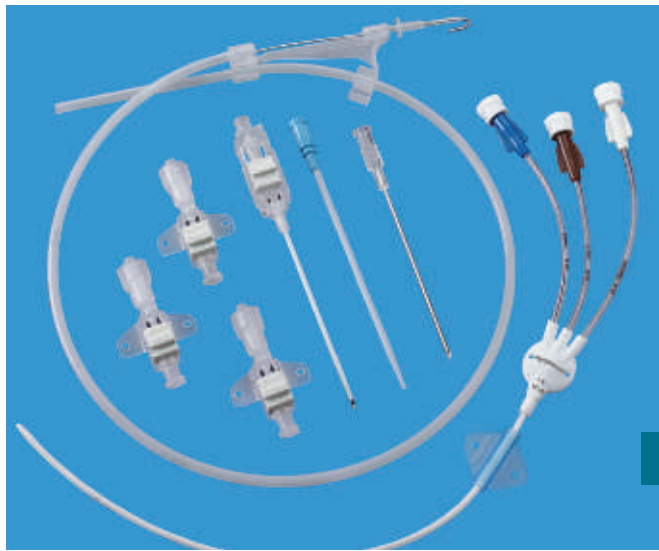
Sterilisation method

- Ethylene oxide

Shelf life

- 5 years

Class III according to European Medical Devices Directive 93/42/EEC.



CENTRAL VENOUS CATHETERS

BD Hydrocath Assure™

Sterile, single use

Catheter External Diameter	Catheter Length	Cannula Introducer Gauge	Length (mm)	BD Floswitch™ Introducer Gauge	Length (mm)	Needle Introducer Gauge	Length (mm)	Guidewire OD & Length (mm)	Box content units	Flow rate (ml/min)			Code w/o BD Floswitch™	Code with BD Floswitch™
D	M	P												
BD Hydrocath Assure™ Single Lumen Sets														
5Fr (16G)	200	16G	70			17G	70	0.9 x 700	5	56			681161	
BD Hydrocath Assure™ Double Lumen Sets														
7Fr (16G, 18G)	200	16G	70	15G	70	17G	70	0.9 x 700	5	69	22		681152	681150
7Fr (16G, 18G)	300	16G	70	15G	70	17G	70	0.9 x 700	5	61	17		681153	681151
BD Hydrocath Assure™ Triple Lumen Sets														
7Fr (16G, 18G, 18G)	150	16G	70	15G	70	17G	70	0.9 x 450	5	68	22	24	681157	681154
7Fr (16G, 18G, 18G)	200	16G	70	15G	70	17G	70	0.9 x 700	5	58	18	19	681158	681155
7Fr (16G, 18G, 18G)	300	16G	70	15G	70	17G	70	0.9 x 700	5	50	13	13	681159	681156

Description

- BD Hydrocath Assure™ is a range of single, double and triple lumen polyurethane central venous catheters, designed for catheterisation by the Seldinger technique.
- Every catheter is coated with a hydrophilic substance activated by biological fluids, which facilitates the insertion of the catheter and reduces the potential adhesion of bacteria or formation of thrombus.
- In addition, the Hydromer hydrophilic matrix is impregnated with the antimicrobial agent Benzalkonium Chloride (BZC).
- BZC is bactericidal against a broad spectrum of micro-organisms which are known to colonise central venous catheters.
- BD Hydrocath Assure™ has been proven to reduce bacterial colonisation of catheters in critically ill patients.*

BD Hydrocath Assure™ Set Componentry

- All of the above sets contain: BZC impregnated and hydrophilic coated polyurethane catheter, BD Venaguide™ Seldinger wire advancing system, needle introducer, vein dilator and secondary fixation device.
- All sets without BD Floswitch™ contain a cannula introducer, needle introducer, sliding clamps and 5ml syringe.
- All BD Floswitch™ sets include RLL BD Floswitch™, BD Floswitch™ cannula introducer and needle introducer.

Sterilisation method

- Ethylene oxide

Shelf life

- 2 years

Class III according to European Medical Devices Directive 93/42/EEC.

* Reference: Moss MA, Tebbs SE, Faroqui MH, Herbst T, Isaac JL, Brown J, Elliott TSJ, "A central venous catheter coated with Benzalkonium Chloride for the prevention of catheter-related microbial colonisation". Eur J Anaesth 2000, 17, 680-687.



ARTERIAL CANNULA

BD Insyte-A™

Sterile, single use

Gauge	Length	Colour	Box case / Content units	Item Number
22G	38mm	Blue	20/80	382802
22G	30mm	Blue	20/80	382803
20G	38mm	Pink	20/80	382805
20G	30mm	Pink	20/80	382806

Manufactured in BD Vialon™, a unique polyurethane, radiopaque biocompatible catheter material (please see page 128 for further information).

Description

- Barrel Seal - the depressing of the plunger minimises back flow of blood, reducing the risk of blood exposure.
- Plunger Head - when the plunger head is in line with the marker on the barrel, the guidewire is in line with the needle tip.
- Large Flashback Chamber - the large transparent flashback chamber enables confirmation of vessel puncture.
- Notch Needle Technology - back-cut needle tip enables easier access via thick artery walls. The side cut-out in the needle shaft allows for rapid flashback confirming artery access.
- Round Tip Guidewire - the round tipped guidewire aids smooth securing of the blood vessel.

Sterilisation method

- Ethylene oxide

Shelf life

- 5 years

- CE marked

- Latex free



ARTERIAL CATHETERS

BD™ Arterial Cannula

Sterile, single use

Gauge	Length (mm)	Box content units	Item number
20G with BD Floswitch™	45	25	682245

Description

- Catheter designed for insertion into peripheral arteries, for the determination of blood gas estimations or monitoring blood pressure.
- BD Floswitch™ on/off device prevents back-flow thereby reducing the risk of air emboli and potential contamination of hospital staff by exposure to blood.
- 'Venflon-like' insertion characteristics.
- Wings to facilitate fixation.

Sterilisation method

- Ethylene oxide

Shelf life

- 5 years

Class IIa according to European Medical Devices Directive 93/42/EEC.



ARTERIAL CATHETERS

BD Careflow™ Arterial Catheters

Sterile, single use

Description	Catheter External Diameter	Length (mm)	Needle Introducer Gauge Length (mm)		Guidewire OD & Length (mm)	Box content units	Priming Volume (ml)	Item number [No. for PL, CZ, HU, SK]
Radial artery set	3Fr (20G)	60	20	40	0.5 x 250	10	0.08	681646 [681750]
Radial artery set	2.5Fr (22G)	60	22	40	0.5 x 250	10	0.08	681631
Femoral artery set	3Fr (20G)	200	20	40	0.5 x 450	10	0.14	681642
Femoral artery set	4Fr (18G)	200	17	70	0.6 x 450	10	0.24	681648 [681751]

Description

- BD Careflow™ polyurethane catheters are designed for access to radial or femoral arteries, for the determination of blood parameters or monitoring blood pressure.
- Catheterisation trays contain an introducer needle, metal guidewire and Luer Lock plug.

Sterilisation method

- Ethylene oxide

Shelf life

- 5 years

Class III according to European Medical Devices Directive 93/42/EEC.



PULMONARY PERCUTANEOUS SHEATH INTRODUCER SETS

BD Exacta™

Sterile, single use

Percutaneous Sheath Introducers for the introduction of Pulmonary Artery Catheters

Size (Fr)†	PU Introducer Length (mm)	Cannula Introducer Gauge & Length (mm)	Needle Introducer Gauge & Length (mm)	Guidewire OD & Length (mm)	Contamination Shield Length (mm)	High-Flow Stopcock	Syringe	Scalpel	Obturator	Box content units	Item number [No in PL, CZ, HU, SK]
6.0	100	16G x 70	17G x 70	0.9 x 450	800	Yes	Yes	Yes	Yes	5	680128 [680339]
7.0	100	16G x 70	17G x 70	0.9 x 450	800	Yes	Yes	Yes	Yes	5	680140 [680340]
8.0	100	16G x 70	17G x 70	0.9 x 450	800	Yes	Yes	Yes	Yes	5	680126 [680338]
8.5	100	16G x 70	17G x 70	0.9 x 450	800	Yes	Yes	Yes	Yes	5	680124 [680337]

† for introduction of 1 Fr smaller size catheters

Description

- A complete range of polyurethane sheath introducer systems.
- Integral side-arm.
- Tuohy-Borst adapter and haemostasis valve.
- BD Exacta™ sets include a contamination shield with Tuohy-Borst lock.
- Individually packed, sterile, non-pyrogenic and radiopaque.

How BD Exacta™ Introducers can benefit you

- Polyurethane sheath reduces risk of thrombus formation in-situ.
- Flexible hub minimises potential for kinking of introducers.
- Profiled sheath tip and matched dilator facilitates smooth, atraumatic insertion.

- Tuohy-Borst adapter minimises catheter migration and improves catheter control.
- Self-seal haemostasis valve minimises risk of blood loss.
- BD Venaguide™ Seldinger wire advancing device allows single handed wire insertion.
- Sterile double tray packaging for increased safety.

Sterilisation method

- Ethylene oxide

Shelf life

- 3 years

Class III according to European Medical Devices Directive 93/42/EEC.



PULMONARY ARTERY & THERMODILUTION CATHETERS

BD Criticath™

Sterile, single use

Catheters for monitoring Right Heart Pressures and Cardiac Output Measurement

Model	Size (Fr)	Length (cm)	Number of lumens	PA wedge	CV pressure pressure	Cardiac Output	CVP medic.	Ventric. pacing port	Heparinised	Additional information	Box content units	Item Number [No. for PL, CZ, HU, SK]
SP5105H	5Fr	80	4	Yes	Yes	Yes			Yes		5	680084
SP5107	7Fr	110	4	Yes	Yes	Yes			No		5	680098
SP5107H	7Fr	110	4	Yes	Yes	Yes			Yes		5	680078 [680333]
SP5107H-14	7Fr	110	4	Yes	Yes	Yes			Yes	Pre-mounted BD Luer-Lok™ AC shield	5	680088 [680336]
SP5107+SP5045	7Fr	110	4	Yes	Yes	Yes			No	Pre-mounted In-Line Inject. sensor	5	680099
SP5107H+SP5045	7Fr	110	4	Yes	Yes	Yes			Yes	Pre-mounted In-Line Inject. sensor	5	680077
SP5127	7 Fr	110	4	Yes	Yes	Yes			No	"S" shaped to facilitate femoral insertion	5	680104
SP5127H	7 Fr	110	4	Yes	Yes	Yes			Yes	"S" shaped to facilitate femoral insertion	5	680089
SP5507	7.5Fr	110	5	Yes	Yes	Yes	Yes		No		5	680102
SP5507H	7.5Fr	110	5	Yes	Yes	Yes	Yes		Yes		5	680082 [680334]
SP5507H-14	7.5Fr	110	5	Yes	Yes	Yes	Yes		Yes	Pre-mounted BD Luer-Lok™ AC shield	5	680093
SP5507HS	7.5Fr	110	5	Yes	Yes	Yes	Yes		Yes	"Soft" version	5	680080
SP5507+SP5045	7.5Fr	110	5	Yes	Yes	Yes	Yes		No	Pre-mounted In-Line Inject. sensor	5	680100
SP5537	7.5Fr	110	5	Yes	Yes	Yes		Yes	No		5	680106
SP5537H	7.5Fr	110	5	Yes	Yes	Yes		Yes	Yes		5	680081

Description

- A range of flow directed, balloon tipped catheters for both adult and paediatric use.
- Use for monitoring right heart pressures and obtaining venous blood samples.
- Thermodilution technique used to measure Cardiac Output.
- Options include temporary ventricular pacing and 'S' tipped for femoral insertion.
- Also available in hard and soft versions.
- Individually packed, sterile and non-pyrogenic.

How BD Criticath™ can benefit you

- Rounded catheter tip design allows for smooth insertion and reduces risk of vessel trauma.
- Heparin coating minimises risk of thrombus formation.

- Strong circular lumen design reduces kinking and enhances pressure signal transfer.
- Catheter depth markings facilitate accurate placement and catheter manipulation.
- Smooth balloon/catheter junction reduces risk of balloon rupture and thrombus formation.
- Some models have a pre-mounted in-line injectate sensor housing or an anticontamination (AC) sheath on the catheter for user convenience.

Sterilisation method

- Ethylene oxide

Shelf life

- 2 years

Class III according to European Medical Devices Directive 93/42/EEC.



ICE/ROOM TEMPERATURE INJECTATE SYSTEMS

BD Critikit™

Sterile, single use

Closed loop in-line injectate systems for improved accuracy of cardiac output measurement

Model	Description	Sterile	Box content units	Item No [No for PL, CZ, HU, SK]
SP4500	Ice/ Room temperature Injectate BD Critikit™ (with in-line sensor, Control syringe & Cooling coil)	Yes	4/8	680000 [680342]
SP4572	Room temperature Injectate BD Critikit™ (with in-line sensor, Control syringe w/o Cooling coil)	Yes	5/20	680178
SP5045	In-line injectate sensor housing	Yes	25/250	680006 [680331]
Spectraject	10cc control syringe	Yes	10/50	682155

Description

- Available in both iced and room temperature injectate options.
- Closed circuit design offers an aseptic approach to cardiac output measurement.
- Individually packed, sterile and non-pyrogenic.
- Set comprises an injectate sensor housing with three way stopcock, one way check valve, Spectraject 10cc syringe, cooling coil, delivery tubing and IV spike.
- In-line injectate sensor optimises accuracy of temperature readings.
- Syringe design allows smooth injectate action improving data validity.

Sterilisation method

- Ethylene oxide

Shelf life

- 5 years

How BD Critikit™ can benefit you

- Closed loop system reduces risk of line contamination.
- Insulated volume-restricted syringe facilitates precise and reproducible injectate.

Class IIa according to European Medical Devices Directive 93/42/EEC.

Non-Sterile Accessories:

Model	Description	Sterile	Box content units	Item Number
SP4042	In-line injectate sensor cable. For use with Abbott Oximetrix, Arrow, Baxter Edwards 9520A or Com1, Mennen Horizon 2000 Series (cable 800-030-200), Spacelabs Alpha PC or PCMS (bifurcated cable model 306655-001), Datex AS3 and BD Critikit™ Injectate set or SP5045 sensor housing.	No	1	684056
SP4044	In-line injectate sensor cable. For use with Marquette Cardiac Output Module and BD Critikit™ Injectate set or SP5045 sensor housing.	No	1	684059
SP4045	In-line injectate sensor cable. For use with HemoPro (SP1445), Nikon Kohden, Spacelabs (bifurcated cable model 306655-002), Fukuda Denshi IB5006 (DSCP), Dynascope DS3300 and BD Critikit™ Injectate set or SP5045 sensor housing.	No	1	684062
SP4046	In-line injectate sensor cable. For use with Hewlett Packard Cardiac Output Module (HP trifurcated cable M1641A or M1642A) and BD Critikit™ Injectate set or SP5045 sensor housing.	No	1	684063

Class I according to European Medical Devices Directive 93/42/EEC.



PRESSURE TRANSDUCER SETS

BD DTXPlus™ Disposable Pressure Transducers

Sterile, single use

BD DTXPlus™ Disposable Pressure Transducer Sets

Designed for ease of use and minimal wavelength distortion



Haemodynamic monitoring information is used to manage the care of critically ill patients. It is therefore essential that you are confident about the accuracy of the information that you are using. Fluid filled pressure monitoring systems will cause some distortion to the pressure waveform. Up to 40% distortion has been shown in some cases.¹

Accuracy in pressure monitoring isn't just dependent on the transducer, it's dependent on all the components in the pressure monitoring system; catheter, pressure tubing, monitor filter and stopcocks. It has been shown² that in order to know the accuracy of your system, you need to consider the performance of the total chain where all the components are linked together.

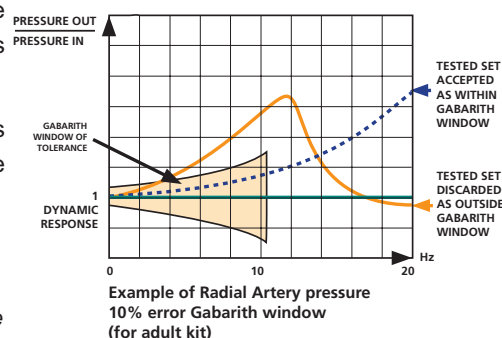
As a manufacturer we believe we have a responsibility to provide you with information about the accuracy of the whole monitoring system, not just the transducer. Therefore, BD has selected a range of standard BD DTXPlus™ sets which are Gabarith tested.²

The BD Gabarith™ test remains the only scientific technique that provides information about the dynamic response performance of the total pressure monitoring system (total chain).

The BD Gabarith™ test assesses the system against pre-set windows of error (2%, 5% and 10% waveform distortion). *For example: If the dynamic response of a pressure chain falls within the 10% Gabarith window then we know the pressure waveform will not be distorted by more than 10%.³*

Windows of tolerance are based on catheter tip sensor results (the 'gold' standard) using real patient data.

Every box of BD DTXPlus™ pressure monitoring sets is stamped with the BD Gabarith™ symbol. This shows that the set has passed the BD Gabarith™ test and has a known level of accuracy. The BD Gabarith™ test exceeds the demands of the AAMI standard (Association for the Advancement of Medical Instrumentation).



References:

¹ Anesthesiology 53: 498-504, 1980; British Journal of Anaesthesia 1987, 59, 901-912; European Academy of Anaesthesiology - Strasbourg Aug/Sep 1997 (Bender HJ, Billiet E et al).

² Billiet E, Colardyn F. (1998) Pressure Measurement Evaluation and Accuracy: The Gabarith Test. Intensive Care Medicine 24:1323-1326

³ Assuming that the set has been set up and zeroed in accordance with manufacturing instructions



PRESSURE TRANSDUCER SETS

BD DTXPlus™ Disposable Pressure Transducers

Sterile, single use

Model	Description units	Box content	Item number [No. for PL, CZ, HU, SK]
DT-XX	Disposable transducer with Critiflex integral flush device and stopcock (3cc/hr nominal flow rate)	10	682018 [682292]
DT-NN	Disposable transducer for neonatal/paediatric uses. Used in conjunction with a mechanical infusion pump (max. 30cc/hr flow rate)	10	682019
TNF-R	Disposable transducer without integral flush device or stopcock. Suitable for cardiology/neurology applications	10	682021

Description

- BD offers a wide range of disposable and reusable transducers.
- BD's experience is based on decades of research and development reaching back to the first practical blood pressure transducer introduced by Gould-Statham.

Sterilisation method

- Ethylene oxide

Shelf life

- 5 years

Class IIa according to European Medical Devices Directive 93/42/EEC.



PRESSURE TRANSDUCER SETS

BD DTXPlus™ Flexi Transducer System

Sterile, single use

Clinicians require flexibility in the transducer set combinations that are needed during the monitoring of critically ill patients. The BD DTXPlus™ Flexi Transducer System provides a flexible solution to these needs.

Experience indicates that clinicians do not always require all the waveforms to be monitored on all patients at all times. This versatility is usually met by using only one line in a double kit or two lines in a triple kit or by holding stock of different kit configurations, often resulting in cost inefficiencies.

In the BD DTXPlus™ Flexi Transducer System, the arterial line is used as the "master" line (arterial waveform being systematically monitored). When clinically required, additional lines (eg. CVP or PA) are connected in a cascade via an additional stopcock positioned on the administration set side of the transducer (no impact on dynamic response).

BD DTXPlus™ Flexi Transducer Set Range

Description	Admin. Set	Line Colour and Length	Box content units	Item Number
Arterial kit	Yes	Red, 175 cm	5	686562
Arterial kit, Thorax	Yes	Red, 175 cm	5	686340
Arterial kit, Safedraw	Yes	Red, 190 cm	5	686337
Arterial kit, Safedraw, Thorax	Yes	Red, 190 cm	5	686585
Venous kit	Yes	Blue, 175 cm	5	687715
Arterial kit, Safedraw	Yes	Red, 190 cm	5	687714
Venous kit	No	Blue, 175 cm	5	686495
PA kit	No	Yellow, 175 cm	5	686496
Pressure Universal	No	Clear, 175 cm	5	686572
Safeneedle TA-BPN	-	-	50	682159

Description

Cost effectiveness:

- BD DTXPlus™ Flexi Transducer System allow savings on the set-up time and storage costs are minimized. Further savings through use of only one administration set, one saline bag and one pressure cuff.

Efficiency:

- Quick and easy to add or remove extra kits allowing quick response to patient's changing condition
- Less Tubing
- Less Work
- Less Waste

Safety:

- Safe arterial blood sampling versions of the BD DTXPlus™ Flexi Transducer System are available for added safety during arterial blood sampling procedures

Sterilisation method

- Ethylene oxide

Shelf life

- 5 years

Class IIa according to European Medical Devices Directive 93/42/EEC.



PRESSURE TRANSDUCER SETS

BD Gabarith™ Disposable Transducer Sets

Sterile, single use

Disposable Transducer Sets for the Invasive Monitoring of Haemodynamic Pressure

Number of Disposable Transducers	Flush/Flow rate (cc/Hr)	Total Pressure line length (cm)	Pressure line(s) colour	Additional information	Box content units	Item number [No. for PL, CZ, HU, SK]
1	3	150	Clear	with BD R.O.S.E.™	5	682001 [682287]
1	3	150	Clear		5	682002 [682288]
1	3	150	Red		5	682004 [682289]
1	3	150	Blue	with BD R.O.S.E.™	5	682005
1	3	150	Blue		5	682006 [682290]
1	3	150	Yellow	Add-on set to set no. 682037, -38, -55	5	682008
1	3	175	Red	with BD R.O.S.E.™	5	682009
1	3	175	Red		5	682010
1	3	25	Clear	Velcro strap for arm mount	5	682011
1	3	150	Blue	with BD Multiflo™ 5-way	5	682013
1	3	150	Clear	w/ non-shunting stopcock & extension set	5	682017 [682291]
1	30	160 small bore	Clear	For use with infusion pump	5	682022 [682293]
1	30	35 small bore	Clear	For use with infusion pump	5	682025
2	3	150/150	Red/Blue	with BD R.O.S.E.™ on blue line	5	682030 [682294]
2	3	150/150	Red/Blue		5	682032 [682295]
2	3	150/150	Red/Blue	with 3rd IV line for add-on set	5	682037
2	3	150/150	Blue/Yellow		5	682041
3	3	150/150/150	Red/Blue/Yellow		5	682046

Description

- Validation by unique BD Gabarith™ accuracy test.
- A range of single, double and triple disposable transducer sets.
- Adult and paediatric options.
- BD Safedraw™, closed loop arterial blood sampling system available. (Please refer to next section).
- BD R.O.S.E.™ (Resonance OverShoot Eliminator) included in selected sets.
- Individually packed, sterile, non-pyrogenic and latex free.
- Adult pressure sets include rotating male luer for easy and trouble-free connection onto the catheter.

How BD Gabarith™ sets can benefit you

- Unique BD Gabarith™ testing of sets, using total haemodynamic chain concept, offers the opportunity for improved haemodynamic accuracy¹.

- BD Connecta™ Plus sampling and zeroing stopcocks with on/off snap for confirmation of stopcock positioning.
- Designed straight fluid pathway minimises the risk of bubble entrapment and subsequent damping of signal.
- Robust monitor connection prevents water penetration and offers back pressure calibration facility.
- Unique BD EasyVent™ zeroing deadender minimises risk of touch contamination.
- Wide range of transducer set configurations covering neonatal to adult pressure monitoring requirements.

Sterilisation method

- Ethylene oxide

Shelf life

- 5 years

Class IIa according to European Medical Devices Directive 93/42/EEC.

1 Billiet E., Colardyn F. Pressure Measurement Evaluation & Accuracy Validation: The Gabarith Test. Intensive Care Medicine (1998) 24: 1323-1326



PRESSURE TRANSDUCER SETS

BD Safedraw™ Safe Arterial Blood Sampling

Sterile, single use

Closed loop arterial blood sampling disposable Transducer Sets for the Invasive Monitoring of Haemodynamic Pressure

Number of Disposable Transducers	Flush/Flow rate (cc/Hr)	Total Pressure line length (cm)	Pressure line(s) colour	Additional information	Box content units	Item number [No. for PL, CZ, HU, SK]
1	3	155	Clear	3cc syringe restricted to 2cc	5	682027
1	3	155	Clear	5cc sheathed syringe restricted to 2cc	5	682051 [682303]
1	30	135	Clear	For use with infusion pump/5cc sheathed syringe restricted to 1cc	5	682052
2	3	155/150	Clear/Blue	5cc sheathed syringe restricted to 2cc & with BD R.O.S.E.™ on blue line	5	682053
2	3	155/150	Clear/Blue	5cc sheathed syringe restricted to 2cc	5	682054
2	3	155/150	Clear/Blue	5cc sheathed syringe restricted to 2cc & with 3rd IV line for add-on set	5	682055
3	3	155/150/150	Clear/Blue/Yellow	5cc sheathed syringe restricted to 2cc	5	682056

Model	Description	Box content units	Item number [No. for PL, CZ, HU, SK]
TA-STV	BD Safedraw™: BD Vacutainer® Transfer Device	25	682158
TA-BPN	BD Safedraw™: BD Luer-Lok™ Safe-Needle	50	682159 [682301]

Description

- BD Safedraw™, unique system for closed loop arterial blood sampling.
- BD Safedraw™ arterial sampling system reduces the risk of cross contamination and blood spillage to patients and staff whilst facilitating blood sampling.
- Significantly reduces the risk of iatrogenic anaemia.
- A range of single, double and triple disposable transducer sets
- Adult and paediatric options.
- Individually packed, sterile, non-pyrogenic and latex free.

How BD Safedraw™ sets can benefit you

- BD Safedraw™ significantly reduces unnecessary blood discard and blood spillage. Significantly reduces the risk of cross contamination and iatrogenic anaemia.

- BD Safedraw™ facilitates easier sampling and superior clinical samples, thereby achieving more reliable laboratory values.
- Unique BD Gabarith™ testing of sets, using total haemodynamic chain concept, offers the opportunity for improved haemodynamic accuracy.

Sterilisation method

- Ethylene oxide

Shelf life

- 5 years

Class IIa according to European Medical Devices Directive 93/42/EEC.



PRESSURE TRANSDUCER SETS

**BD™ Reusable Pressure Transducers,
Disposable Domes and Accessories**

BD™ Reusable Transducers

Model	Description	Box content units	Item number [No. for PL, CZ, HU, SK]
P23XL-1	Standard size (non-sterile)	1	684000 [684256]
P10EZ	-Minaturised (non-sterile)	1	684001
TA9007	Transducer holder for 2 P23XL	10	682103
TA9010	Transducer holder for 4 P23XL	5	682061
BD™ Transducer Interface Cables		see page 105-115	

Reusable transducers and accessories are Class I according to European Medical Devices Directive 93/42/EEC

BD™ Disposables Domes and Accessories

Model	Description	Box content units	Item number [No. for PL, CZ, HU, SK]
TA1015T	For P23XL and P23ID with integrated BD Critiflow™ flush device (3cc/hr)	10	682058 [682296]
TA1018	For P10EZ and P50 with integrated BD Critiflow™ flush device (30cc/hr)	10	682065
TA1019	For P10EZ and P50. Rotating Luer fitting	12	682089
TA1010ND	For P23XL and P23ID. Rotating Luer fitting	12	682084
TA4005	BD Critiflow™ flush device (30cc/hr)	10	682063
TA4004	BD Critiflow™ flush device (3cc/hr)	10	682060

Description

- BD's expertise with reusable transducers is based on a long experience of research and development initiated by the first transducers designed by Gould-Statham.
- BD's reusable transducers are fitted with a standard wiring. They can be connected to most of the existing monitors thanks to the wide range of BD™ Transducer Interface Cables.
- BD's disposable domes are equipped with a membrane to facilitate aseptic techniques.

Disposable dome sterilisation method

- Ethylene oxide

Shelf life

- 5 years

Disposable domes are class IIa according to European Medical Devices Directive 93/42/EEC.



PRESSURE TRANSDUCER SETS

BD™ RT2000 Reusable Transducer and Disposable Domes for RT2000

Model	Description	Box content	Item number units
RT2000	BD reusable blood pressure transducer for fluid-filled column application.	10	682266
DD2000	Disposable dome for coupling with RT2000 w/o integral flow/flush device and zeroing stopcock.	10	682265
DD2003	Disposable dome for coupling with RT2000 with integral flow/flush device and stopcock (3 ml/hr nominal flow rate) and zeroing stopcock.	10	682263

BD has a proud heritage evolving originally from Statham Instruments and has continuously developed new technology to enhance patient care.

With the BD™ RT2000 transducer system, BD is offering a new generation of reusable blood pressure transducers for fluid-filled column application, with highest standards in safety, reliability and convenience.

Description

- Snap-on dry coupling set-up
- Integrated components of flush device and venting stopcock in dome provide for quick, effective fluid control while reducing set-up time
- Superior dynamic response and reliability
- Fully integrated flush device and zeroing stopcock to minimize the risks of blood flash back and patient line contamination
- Domes allow complete fluid path visibility to assure bubble-free filling thus minimizing the risk of air embolism
- Interface cable is designed as waterproof connection for long lasting use
- Latex free

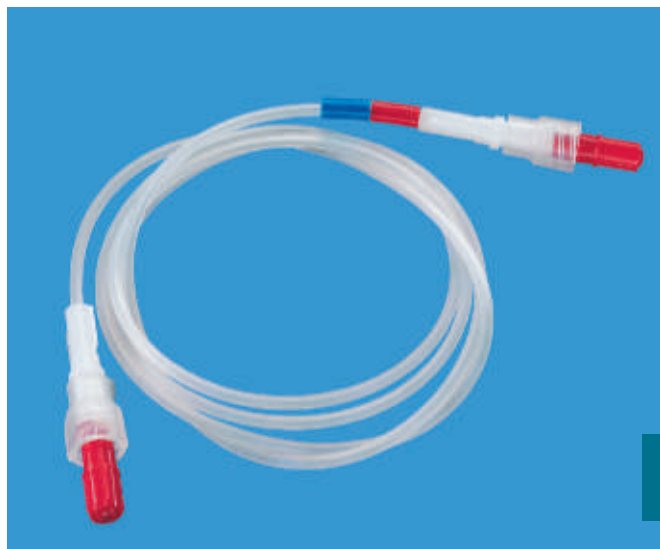
Disposable dome sterilisation method

- Ethylene oxide

Shelf life

- 5 years

Disposable domes are class IIa according to European Medical Devices Directive 93/42/EEC.



PRESSURE TRANSDUCER SETS

BD™ Pressure Lines, BD Connecta™ PE Pressure Lines and Pressure Accessories

Sterile, single use

BD™ Pressure Lines (PVC)

Male/Female or Male/Male Line Connection	Tubing Length (cm)	Line colour coding	Box content units	Item number [No. for PL, CZ, HU, SK]
M/F	25	Clear	25	682226
M/F	100	Clear	25	682229
M/F	150	Clear	25	682230
M/F	200	Clear	25	682232
M/M	100	Clear	25	682234
M/M	150	Clear	25	682079 [682298]
M/M	200	Clear	25	682236
M/F	100	Red	25	682237
M/F	150	Red	25	685185
M/M	125	Blue	25	685190
M/M	150	Blue	25	685171
M/F	150	Yellow	25	686619

BD Connecta™ PE Pressure Monitoring Lines (PolyEthylene)

M/F	15	Clear (Red/Blue clips)	25	682194
M/F	50	Clear (Red/Blue clips)	25	682185
M/F	100	Clear (Red/Blue clips)	25	682189
M/F	150	Clear (Red/Blue clips)	25	682191
M/F	200	Clear (Red/Blue clips)	25	682192
M/M	50	Clear (Red/Blue clips)	25	682186
M/M	100	Clear (Red/Blue clips)	25	682190
M/M	200	Clear (Red/Blue clips)	25	682193

Description

- BD™ Pressure Lines (PVC) for accurate transmission of the pressure waveform.
- BD Connecta™ PE (PolyEthylene) lines as a non PVC alternative.
- Colour coded (red/blue) clips supplied with BD Connecta™ PE to facilitate line identification.

Sterilisation method

- Ethylene oxide

Shelf life

- 5 years

Class IIa according to European Medical Devices Directive 93/42/EEC

Pressure Accessories (non-sterile)

Model	Description	Box content units	Item number [No. for PL, CZ, HU, SK]
TBG	Transducer BackGround for pole mounting (up to 4 transducers)	10	682093 [682299]
TMM	Snap-On TMM Cable Organiser	5	682274 [682306]
TMM/TBG	TBG with Snap-On TMM Cable Organiser	5	682275
Cable Checker	Electrical tester for compatible interface cables	1	684003

Description

- Cable Checker to check for cable continuity.
- BD™ Transducer Interface Cables - see page 105-115.

Class I according to European Medical Devices Directive 93/42/EEC



BD™ Transducer Interface Cables

For use with BD DTX™ Kits

(Including BD DTXPlus™, BD Gabarith™, BD Safedraw™, Reusable BD™ RT2000 and P10/P23 Kits)

- BD offers a comprehensive range of transducer cables to suit most popular brands of monitors. We also offer cables for rarer or older monitors, so should you have a requirement for a model not shown then please contact your local BD Office. (Telephone numbers on back cover.)
- BD also offers a “Flying Lead” option (684109), which is available where BD does not offer a connection cable for your monitor.
- In addition, all BD™ Transducer Cables require an “O Ring” (683039) to be attached to the “BD Cable end”, which ensures a vacuum when plugging into the transducer kit.

All Cables come fitted with this, however these are also available separately, as these can wear down and sometimes require replacing.

- When purchasing cables please specify:
 1. Monitor type.
 2. Model number and/or serial number.
- Non-sterile items.

Class I according to European Medical Devices Directive 93/42/EEC.



BD™ Transducer Interface Cables - Cables Index

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BD™ Transducer Interface Cables - Guide to terminology

684104 – 10 Pin F – LF



Datex Ohmeda/Burdick (GE) -
M565 PDM /
Cardiicap CC104 / AS3 /
Cardiicap II / Datex AS3 / S5
SYS 800, MOD 8641,
SIVA 3000

Part number

Pin configuration

Number of pins

M = Pins

F = Holes

Status if known

LF = latex free

NLF = not latex free

Manufacturer

Model type

684078 - 6 Pin F - LF



Datascope - All Models

684084 – 5 Pin M - LF



Spacelabs - Alpha 700 Series

684090 – 5 Pin M - LF



Nihon Kohden - MFV1100, 1200, 1230A; Lifescope 8, 9, 11, 12, 14, BSM-8300J/K, 3000, BSM4100

684081 – 12 Pin M - LF



Phillips (Hewlett Packard) - 78341A, 78342A, etc. / 78354C 78205A-D, 12-pin / 78352, CMS (Merlin line), M1006A/B, M1026A / M1166A / Viridia / HP Scop Eurelie 24C, CMS2001, V24,V26,M2,M3,M4, Intelivue

684085 – 6 Pin M - LF



Vitatek - Series 400, 500
Protocol Propaq - Protocol Propaq series; Propaq 106EL
Criticon - Dynamap
Spacelabs - Series 400, 500, 90308/11/31, MOD-CD, CD-CV
Tektronics - 400 Series
Nellcor - Escort 300 MDE
Vitalert - 2000
Physiocontrol (Medtronic) - Lifepack12
Zoll - Zoll Defibrillators

684096 – 8 Pin M - LF



Marquette (GE) - 7000 series, 7010, Mod 7200

684082 – 6 Pin M - LF



Dräger/Siemens -
400 Series, 960, 961,
Sirecust 4041,700,1260, 342, 732, Sirecust 342, 4XX,
7XX, 9XX, 12XX
Delta (SC7000), Kappa (SC8000),
Delta XL (SC9000),
with 6 pin connector

684086 – 6 Pin M - LF



Hellige (Litton) -
4th/5th Generation / SMC 108 /
Servomed / SMU 610, 611.612,
SMU EVO

684102 - 11 Pin M - LF



Marquette (GE) - 7009/Tramscope
Series(600SL) - Eagle-Solar 8000
Solar 9000, Eagle3000/1000,
Mab Lab 6Fx3F, Tram 450SL,
6200, Tram600A, EK36,
Dash 3000, Dash 4000

684104 – 10 Pin F - LF



Datex Ohmeda/Burdick (GE) -
M565 PDM /
Cardiacap CC104 / AS3 /
Cardiacap II / Datex AS3 / S5
SYS 800, MOD 8641,
SIVA 3000

684128 – 10 Pin M - LF



E for M/Honeywell - RM300

Dräger/Siemens - PM8040, PM8060,
Dräger Vitara, Cato, Cicero &
Julian Anes. machine

Phillips - CM140

684138 – 5 Pin M



Jostra
(Heart pump)

684109 – Pin N/A - LF



No monitor connection (flying lead)

WIRING GUIDE - The wiring codes on the cable are:

Green	Excitation voltage
Red	Excitation voltage
Black	Signal
White	Signal
Shield	Depends on the monitor being used. Refer to individual design specification.

684129 – 12 Pin M - LF



Kontron, Arrow - Minimon 7131
7132 etc, K2000, 7272 /
Supermon 7210 / Cart 2 Plus
Balloon Pump, Oxford ACAT1

684167 – 10 Pin M - LF



PPG Biomedical/Hellige/Marquette -
MIDAS; Hellige Midas 5000,
2500, 2100 series

684121 – 15 Pin M - LF



Dräger/Siemens -
Siereg/Sicor BPA 863
(15-pole Cannon Connector),
Mingograph 6 Cathcor, Recor

684134 - 6 Pin M - LF



Quinton - Q-cath lab system

684175



Schwarzer - MX960
Criticare - MATRIX, Scholar 2200

684178 – 7 Pin M - LF



Dräger/Siemens -
6004, SC6002XL, SC6802XL
SC 6000P, 6002, 5000
Delta (SC7000), Kappa (SC8000),
Delta XL (SC9000),
Gamma/XL (SC6000) transport
monitor, all with 7 pin connector

684204 – 4 Pin M - LF



Medical Measurement Systems -
UPS-2020 (4ft cable)

684236 – 15 Pin M - formerly 684199



Dräger/Siemens -
HemoPod adapter

684181 – 8 Pin M



Prucka Eng Inc. -
CARDIOLAB II / 1.1, AMP II

684227 – 6 Pin M - LF - identical to P/N 684085



Spacelabs (Vitatek) / BCI -
400, 500, 90485
Alpha-PC, 90603A, BCI 9100,
90303B, Mod 90470-05,
CD-CV, 90369, 90385, 90470,
90496
Ultraview 1600

684242 – 4 Pin M - LF



Medical Measurement Systems -
UPS-2020 (12ft cable)

684188 - 4 Pin M



Stockert - S3

684260 – 8 Pin M - LF



Mennen - Envoy

684243 – 4 Pin M - LF



Stockert - Heart Lung Machine

684087 – 6 Pin M - LF



Mennen -
Horison 9000, H2200, XL, 1000

JP - 900P - OTCN KB559



Nihon Kohden - NK9000

684091 – 10 Pin F - LF



Narco (Airshield); Kone; S&W -
Narco AS100; Kone Press Amp.
542,544,575; S&W Sytem 8000 &
9000, Diascope II / Anaesthetic/
Neonatal/Traveller, Athena

684119 – 6 Pin M - LF



AVCO - Balloon Pump

684120 - 5 Pin F - LF



Siemens - 2nd Generation,
Sirecust 300 Series

684138 – 5 Pin M



Sarns

684139 – 6 Pin M



Shiley, Cobe - Perfusion Controller

684147 – 5 Pin M - LF



Dantec (Disa) - Urodyne 5000

684063 – Model SP4046



Hewlett Packard Cardiac Output
Module (HP trifurcated cable M1641A
or M1642A) and Critikit Injectate set or
SP5045 sensor housing

684150 – 12 Pin M - LF



Fukuda Denshi / Datascope -
Dynascope DS-3300, DS-5000;
Datascope Expert

684179 – 8 Pin M



BARD -
LAB SYSTEM 24,
Counterpulsation

684200 – 5 Pin M



Colin - TC-COL-2

684216 – 12 Pin M - LF



Corometrics - Model 556

684056 – Model SP4042



Abbott Oximetrix, Arrow, Baxter
Edwards 9520A or Com1, Mennen Horizon
2000 Series (cable 800-030-200),
Spacelabs Alpha PC or PCMS
(bifurcated cable model 306655-001),
Datex AS3 and Critikit Injectate set or
SP5045 sensor housing

684059 – Model SP4044



Marquette Cardiac Output Module
and Critikit Injectate set or
SP5045 sensor housing

684062 – Model SP4045



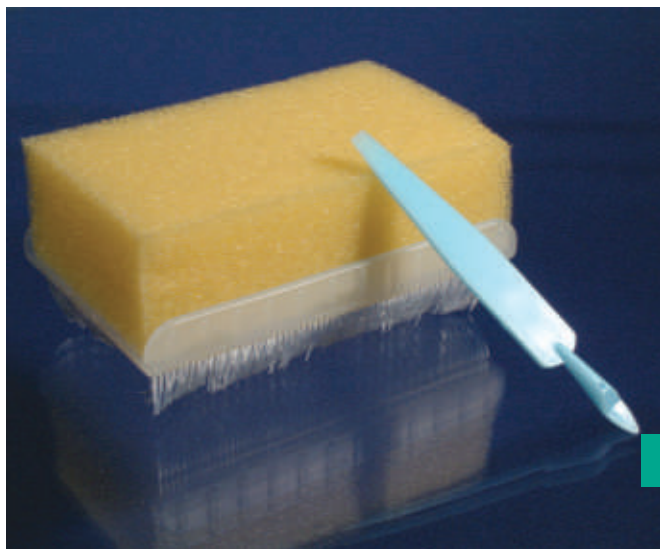
HemoPro (SP1445), Nikon Kohden,
Spacelabs (bifurcated cable model
306655-002), Fukuda Denshi IB5006 (DSCP),
Dynascope DS3300 and Critikit Injectate set
or SP5045 sensor housing

Multichannel Cables



Please contact your BD representative for more
information.

SURGICAL ACCESSORIES



SURGICAL ACCESSORIES

BD E-Z Scrub™

Single use

Description	Concentration of Active Ingredient	Box content units	Item number
BD E-Z Scrub™ Brush / Sponge with Emollients	Minimum 3% PCMX	30	371167
BD E-Z Scrub™ Brush / Sponge sterile without Detergent	Dry	30	371607
BD E-Z Scrub™ Brush / Sponge with Povidone Iodine concentrated	Dry - 1% Minimum Available Iodine	30	372057
BD E-Z Scrub™ Brush / Sponge with CHG	4% with Chlorhexidine Gluconate	30	377477

Accessories	Concentration of Active Ingredient	Box content units	Item number
Scrub Dispenser	-	1	371901

Description of scrub brushes

- BD™ single use scrub brushes have soft polyethylene bristles on one side and a polyether sponge on the other. Ergonomically designed for greater user comfort and effectiveness.

Antiseptic agent

- BD E-Z Scrub™ scrub brushes are supplied dry or impregnated with Povidone Iodine, Chlorhexidine or PCMX (Parachlorometaxyleneol). Concentration and volume have been determined to ensure antiseptic cleaning of hands and forearms.

Rigidity

- The standard rigidity of BD E-Z Scrub™ scrub brushes has been designed to provide the efficacy and comfort needed for surgical scrub brushes. Their tapered design allows for two degrees of softness, appropriate for different areas of skin conditions. The inner recessed bristles are stiffer and designed specially to remove dirt from beneath the nails. The sponge provides cleaning for gentle use on irritated areas, or when/where severe mechanical action or brushing is not required, such as arms and forearms.

Recommended use

- Surgical scrubbing of hands before wearing sterile gloves for aseptic procedures.

Sterilisation method

- Sterile brushes: Gamma irradiation (only dry brushes)

Description applicable to all scrub brushes

- Dimensions : Length: 8 cm
Width: 5 cm
Height: 4 cm
- Strong cardboard boxes
- Dimensions of boxes: 125 x 125 x 540 mm

Accessories

- Wall-mounting support



SURGICAL ACCESSORIES

BD Bard-Parker™ Heimlich Chest Drain

Sterile, single use

Description	Box content units	Item number
BD Bard-Parker™ Heimlich chest valve	10	373460

Description

- The Heimlich chest drain valve is a specially-designed flutter valve used to replace underwater bottles in chest drainage
- Constructed of rubber tubing, the valve is compressed at one end to form leaflets that control unidirection flow.
- The valve is encased in a transparent plastic chamber with tapered ends.
- The proximal end of the casing can be attached to most chest catheters and the distal end to tubing that empties into a plastic bag.
- If desired, the distal end can be connected to regulated suction.

Sterilisation method

- Ethylene oxide

Shelf life

- 5 years

- CE marked

- PVC free, not Latex free

ANNEX

Social Responsibility - Trusted Partners

The BD “Trusted Partners” campaign was launched in early 2003.

The campaign highlights the partnerships BD has formed with philanthropic, government and nongovernmental agencies for more than 100 years in order to make a significant impact on healthcare and to save lives throughout the world.

The “Trusted Partners” initiative focuses on the relationship of BD with prominent nonprofit organizations and describes the work being done through the partnerships to address some of the world’s most important and fundamental health issues. Through philanthropy, sustainable business efforts and the development of pioneering technologies, BD is helping to support the development of an effective AIDS vaccine, eliminate deadly diseases (including measles and maternal and neonatal tetanus), protect against smallpox, fight the spread of diseases and provide relief in the wake of natural and manmade disasters.

These initiatives are an essential element of the commitment of BD to pursue its purpose of “helping all people live healthy lives.”



DIABETES: The leader in diabetes care since 1924, BD has the world’s most complete array of insulin delivery and monitoring products, donates millions of dollars to research and develops educational programs for diabetes patients.



AMERICARES: Since 1986, BD and AmeriCares have partnered to make a positive impact on healthcare globally by responding to emergency medical needs and supporting humanitarian assistance programs.



HIV/AIDS: BD is committed to the battle against HIV/AIDS for future generations on many fronts with partner organizations, such as the William J. Clinton Presidential Foundation, the Global Business Coalition on HIV/AIDS, the International AIDS Vaccine Initiative and Save the Children.

Social Responsibility - Trusted Partners



HEALTHCARE WORKER SAFETY: In 1991, BD was founding sponsor of the University of Virginia International Healthcare Worker Safety Center and primary supporter of the EPINet™ Surveillance system, a database that tracks occupational blood exposures. This partnership demonstrates BD's leading efforts to protect caregivers by designing devices with safety features.



IAVI: BD has partnered with the International AIDS Vaccine Initiative (IAVI) to evaluate and identify vaccines that can prevent development of the AIDS virus.



PROJECT HOPE: Through an expansive "Train the Trainer" program, BD is performing an influential role in the education of Chinese people about the prevention and treatment of diabetes.



UNICEF: The purpose of the UNICEF program is to eliminate maternal and neonatal tetanus - a deadly health threat in many developing nations - by the year 2005.



AMERICAN RED CROSS: BD's partnership with the American Red Cross supports the Measles Initiative, a commitment to vaccinate 200 million African children over 5 years.






















BIOTERROR: BD was on the frontline for polio vaccines and once again, BD is at the forefront in protection against smallpox.

Quality Management with BD

BD Medical products are designed and manufactured to meet applicable international Quality Management System requirements in accordance with the European Medical Devices Directive 93/42/EEC (MDD) and FDA QSR where applicable. Hence, all BD manufacturing sites hold a valid certification against the applicable international Quality Management Systems standards, such as EN ISO 13485:2003, EN ISO 9001:2000/EN ISO 9001:2008. Likewise, all BD manufacturing sites are subject of periodic external as well as internal audits to ensure compliance with aforementioned Quality Management System requirements.

Symbol Guidance

		
Conformité Européenne	Use By	Do Not Reuse
		
Catalogue number	Date of Manufacture	Keep Dry
		
Batch Code	Manufacturer	Peel Here
		
Authorized Representative	This End Up	Do Not Use If Package is damaged
		
Method of Sterilization Using Ethylene Oxide	Keep Away from Sunlight	Green Dot Recycle for Europe
		
Method of Sterilization Using Irradiation	Fragile, Handle with Care	Caution, Consult accompanying documents
		
Method of Sterilization Using Steam or Dry Heat		

GENERAL SALES CONDITIONS

1. General

- 1.1 The General Sales Conditions shall apply to all offers (including offers by means of proforma invoices), acceptances of purchase orders, sales, and deliveries of BDI.
- 1.2 The General Sales Conditions shall be deemed accepted by the Buyer if Buyer has not in writing clearly objected to them.
- 1.3 BDI objects to any general terms and conditions of the Buyer.
- 1.4 All sales shall be non-exclusive and shall not confer any distribution or agency rights unless otherwise specifically agreed.

2. Offers, oral statements and amendments

- 2.1 All offers by BDI shall be subject to alterations without prior notice. Any offer of BDI shall be deemed withdrawn if it has not been accepted within the period there mentioned or within fourteen (14) days after its issue.
- 2.2 Any oral statement, addition or amendment to the General Sales Conditions and/or the documents of the related transaction shall only become valid if confirmed by BDI in writing.

3. Purchase orders

- 3.1 Any purchase order shall be subject to BDI's approval but, however, may be accepted impliedly by simply effecting delivery.
- 3.2 Any purchase order shall identify the country of final destination.
- 3.3 Products may normally be expected to be available, ready for shipment, within reasonable time from BDI's acceptance of a purchase order but delivery, however, remain subject to BDI's manufacturing capabilities.
- 3.4 Any purchase order shall be of a minimum amount of 2,500.- US dollars. The Buyer placing a purchase order below such minimum value shall pay to BDI a handling charge of 250.- US dollars.

4. Prices

- 4.1 All quotations of prices are in US \$ except as otherwise provided for in BDI's offer plus, even if not so mentioned in the respective offer, taxes or other charges as provided for by the applicable law.
- 4.2 The price payable by the Buyer for the products delivered shall be BDI's current price list which is effective at the date of delivery.

5. Payment

- 5.1 Payment shall become due at the date shown on the invoice or, if not mentioned, within 30 days net of the invoice's date.
- 5.2 Delayed payments shall bear interest of 1,5 % per month which shall be paid by the Buyer to BDI and Buyer shall additionally reimburse BDI all costs and damages associated with delayed payment, legal expenses included.
- 5.3 In no event shall the Buyer have the right to retain or set off payments unless BDI consented thereto in writing or a final and binding court decision confirms Buyer's claim.
- 5.4 If payment shall be effected by a letter of credit, BDI's Letter of Credit Policy shall apply.

6. Delivery and risk

- 6.1 Any delivery of BDI shall be "ex-works" (Incoterms 1990). However, on Buyer's request, BDI may provide, at Buyer's exclusive risk and cost, for transportation, legalisation, inspection, and any handling charges on usual terms.
- 6.2 If BDI has notified Buyer that the Products ordered are ready to ship, Buyer shall take delivery without delay failing which all cost for storage and risk of loss or damage shall be for Buyer's account.
- 6.3 Products are normally available within the time frame given in the purchase order as accepted but, however, remain subject to manufacturing capabilities and schedules as well as transportation facilities.
- 6.4 On BDI's request Buyer shall furnish customs clearance or any other documentation pertinent to the transaction.

7. Warranty

- 7.1 All products delivered shall be in compliance with the applicable specifications for the respective period of their shelf life.
- 7.2 In case of products being instruments the warranty shall be twelve (12) months from the installation date at the ultimate customer's facility but in no event to exceed eighteen (18) months as of delivery to the Buyer. However, any instrument warranty shall only be given on the condition that the respective warranty and installation certificate of Becton was properly completed by Buyer.
- 7.3 The warranty shall neither cover products damaged in transit nor when the Buyer is in default of acceptance. Mishandling, repairs or alterations of products without BDI's authorisation shall render any warranty void.
- 7.4 Any defects of products which would be apparent on reasonable inspection must be notified to BDI in writing within 72 (seventy-two) hours of reception of them by the Buyer failing which the products shall irrevocably be deemed accepted by the Buyer.
- 7.5 Save as expressly provided for in this clause BDI shall have no liability or responsibility to the Buyer in respect of defective products and all warranties regarding the quality, condition, durability, merchantability, fitness for purpose, conformity with samples, or likewise are hereby expressly excluded.
- 7.6 Any warranty claim shall be in writing, using BDI's applicable complaint form, and identify

the defects and their presumable cause.

8. Retention of title

BDI reserves title to all products supplied to Buyer until such time as payment for the relevant delivery has been fully received by BDI.

9. Liability

- 9.1 Notwithstanding mandatory provisions of any applicable law, BDI shall neither be liable for indirect or consequential damages nor for any other damages unless the latter were caused by BDI's gross negligence or wilfulness.
- 9.2 BDI shall in no event be liable for any damage if it cannot be excluded that a fault of the Buyer or of a person for whom the Buyer is responsible caused the damage including, not limited to events identified in section 7.3 above.

10. Force Majeure

Neither party shall be liable for any breach of any agreement governed by the General Sales Conditions to the extent that this is caused by Force Majeure circumstances i.e. events which are beyond the reasonable control of the affected party, such as, but not limited to, acts of god, strikes, work to rule, governmental acts, fire, flood, bad weather conditions, war, shortfall of raw materials, energy, transportation, regardless of whether these were unforeseeable or not.

11. Termination

Any agreement governed by the General Sales Conditions may be terminated by BDI with immediate effect if:

- (i) without requirement for BDI to any further notice, the Buyer fails to pay at due dates, or
- (ii) the Buyer is in material breach of any other term or condition of the General Sales Conditions including the related agreement and has not remedied such breach within fifteen (15) days of having been notified of such breach, or
- (iii) the Buyer shall be or become bankrupt or insolvent or if there are instituted by or against it proceedings in bankruptcy or under insolvency laws or for its reorganisation, receivership, liquidation, dissolution or change of ownership.

12. Amendments

The General Sales Conditions including any related agreement shall not be changed or modified except by written agreement duly signed by BDI and Buyer.

13. Applicable Law and Jurisdiction

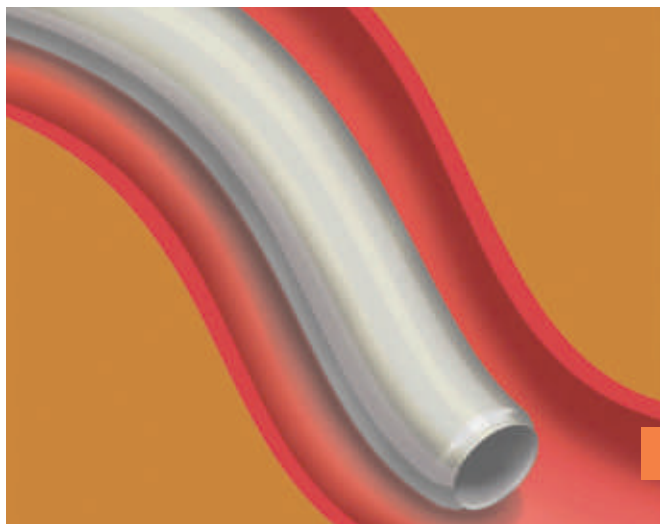
The General Sales Conditions and any related transaction shall be governed and construed in accordance with the material law of Belgium except its choice of law principles and the United Nations Convention on Contracts for the International Sale of Goods of April 11, 1980 and the exclusive venue of any dispute relating to the General Sales Conditions or the transactions contemplated herein shall be the Courts of Aalst.

14. Anti-boycott legislation

Any agreement referring to the General Sales Conditions in conflict with US anti-boycott or any other applicable anti-boycott legislation shall be resolved first by doing the necessary to conform with the applicable anti-boycott provisions, including, not limited to, amending such agreement and, if that does not resolve the conflict, the violating agreement shall be null and void as if it had never come into existence.

15. Severability

Should any part, term or provision of the General Sales Conditions be declared by any court to be or be accepted by the parties as being in conflict with the law or unenforceable the validity and enforceability of the remainder of the General Sales Conditions shall not be affected thereby. The offending part or provision shall be replaced by an enforceable and valid part or provision of which the economic intent is as far as possible the same.



BD Vialon™

Products manufactured in BD Vialon™

- BD Venflon™ Pro
- BD Saf-T-Intima™
- BD Insyte™
- BD Insyte™ Autoguard™
- BD Insyte™ Autoguard-W™
- BD Insyte-N™
- BD Insyte-N™ Autoguard™

BD Vialon™ - Clinically proven

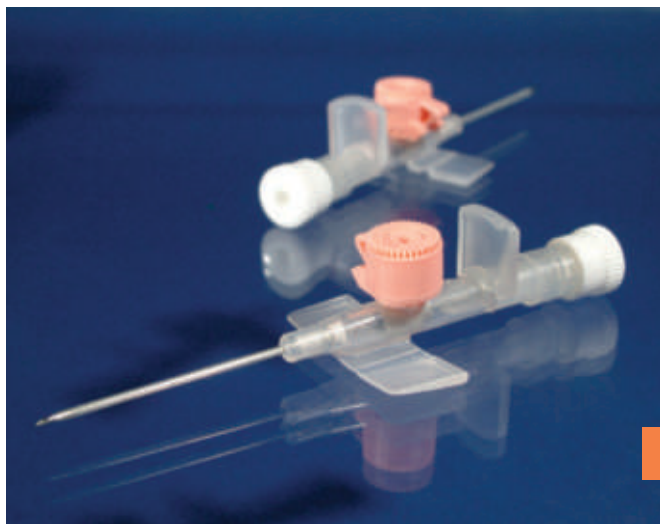
- Increases ease of penetration¹.
- Reduces the risk of infiltration².
- Reduces risk of phlebitis and increasing indwell times, thereby reducing costs^{1,3,4,5}.
- Exhibits greater kink resistance ensuring consistent flow rates^{1,3}.
- Superior kink recovery⁶.

Other benefits

- Reduces need for I.V. resiting due to reduced complications.
- Reduces the total I.V. therapy cost due to problem-free longer indwell times.
- Precise cannula geometry and tipping contributes to ease of insertion.

References:

- ¹ Gaukroger P.B., Roberts G.J.G., Manners T.A.; Infusion thrombophlebitis: A prospective comparison of 645 Vialon™ and Teflon® cannulae in anaesthetic and post-operative use. Anaesth. Intens. Care (1988) 16:265-271
- ² Stanley M.D., Meister E., Fuschuber K.; Infiltration During Intravenous Therapy in Neonates: Comparison of Teflon® and Vialon™ Catheters. Southern Medical Journal 85 (9) Sept. 1992, 883-886
- ³ Jaquot C., Fauvage B., Bru J.P., Croize J., Calop J.; Effect of Material on Thrombophlebitis Risk with Peripheral Venous Catheters. Ann Fr Anesth Reanim 1989;8:3-7 (English abstract)
- ⁴ Maki D.G., Ringer M.; Risk Factors for Infusion-Related Phlebitis with Small Peripheral Venous Catheters. Annals of Internal Medicine 114(10) May 1991, 845-851
- ⁵ McKee J.M., Shell J.A., Warren T.A., Campbell V.P.; Complications of Intravenous Therapy: A Randomized Prospective Study - Vialon™ vs. Teflon®. Journal of Intravenous Nursing 12(5) Sept. 1989, 288-295
- ⁶ Data on file



BD Cannulae/Catheter Conversions

Color coding and corresponding sizes of catheter

Outside diameter of catheter in mm	Range of actual outside diameter in mm	Color 1) 2)	Gauge 3)
0,6	0,550 to 0,649	Purple	26
0,7	0,650 to 0,749	Yellow	24
0,8; 0,9	0,750 to 0,949	Blue	22
1,0; 1,1	0,950 to 1,149	Purple	20
1,2; 1,3	1,150 to 1,349	Green	18
1,4; 1,5	1,350 to 1,549	White	17
1,6; 1,7; 1,8	1,550 to 1,849	Grey	16
1,9; 2,0; 2,1; 2,2	1,850 to 2,249	Orange	14
2,3; 2,4; 2,5	2,250 to 2,549	Red	13
2,6; 2,7; 2,8	2,550 to 2,849	Light Blue	12
3,3; 3,4	3,250 to 3,549	Brown	10

1) The color may be opaque or translucent.

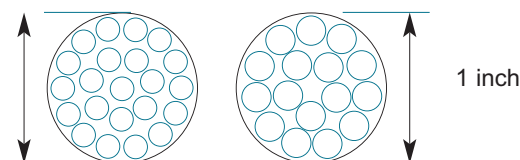
2) The color coding is usually applied to the catheter hub or to an integral fitting.

3) The use of gauge numbers is optional.

Cannulae / Catheter Conversions

Outer Diameters / Gauge-French Sizes

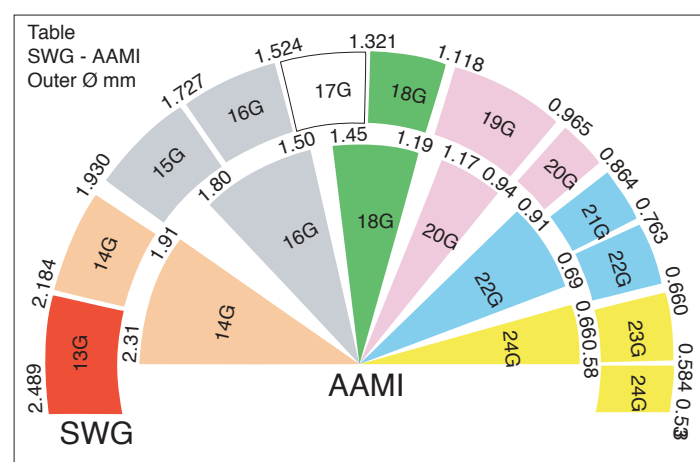
The definition of gauge measurement comes from the AAMI (Association for the Advancement of Medical Instrumentation - USA). This states how many cannulae fit into a tube with an inner diameter of 1" (1 inch = 25.4 mm).



The AAMI uses only even numbers (18, 20, 22, etc.) as measuring units. A similar measurement definition exists in Great Britain and this is known as the SWG (Standard Wire Gauge). The SWG uses consecutive numbers, ie 13 to 24 and is the more common method of measurement for catheters in Europe.

The Charrière, commonly known as French, relates directly to the catheter size, i.e. 1 Ch = 0.33 mm.

In the following tables the measurements of the AAMI - SWG - French are shown in relation to the outer \varnothing in mm.



BD's multi lumen catheter (BD Careflow™) hub colour coding differentiates the lumens and not the catheter gauge, i.e.

white	○	proximal
brown	●	tip
blue	●	middle

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Helping all people
live healthy lives

BD in Germany

Tullastrasse 8-12
69126 Heidelberg
Germany
Tel: +49 6221 305 374
Fax: +49 6221 305 398

BD in Poland

Krolowej Marysienki 90
02-954 Warsaw
Poland
Tel:+48 2 26 517 588
Fax:+48 2 26 517 589

BD in Turkey

Büyükdere Cad. Üçyol Mevkii
Noramin Is Merkezi No:55 K:1/105
34398 Maslak/ Istanbul
Turkey
Tel:+9 02123 282 720
Fax:+9 02123 282 730

BD in United Arab Emirates

Arif & Bintoak Building
1st floor
Karama, Zabeel Road
Dubai
United Arab Emirates
Tel: +971 43 379 525
Fax: +971 43 379 551

BD in Russia

7th Floor, Block C,
18, Krasnopresnenskaya nab.
123317 Moscow
Russia
Tel:+7 495 7 758 582
Fax:+7 495 7 758 583

BD in Ghana

Suite 501, Adwoa Adjeiwaa Bldg,
Osu Oxford Street,
PMB 88 Airport
Accra
Ghana
Tel:+233 21 769 692
Fax:+233 21 769 601

BD in Kenya

Africa Re-Center
Hospital Road, Upper Hill
PO Box 76613
Nairobi 00508
Kenya
Tel: +254 2 02 738 339
Fax: +254 2 02 738 342

BD in South Africa

The Woodlands Office Park
Building 12, 2nd Floor
Woodlands Drive, Woodmead
PO Box 3569, Rivonia 2128
2199 Johannesburg
Republic of South Africa
Tel:+27 11 603 2620
Fax:+27 11 804 0544