Connect to confidence, care and comfort.

BD Cathena™ Safety IV Catheter with BD Multiguard™ Technology

BD

IV catheter placement is the most common invasive hospital procedure worldwide.[1]

Globally, 1 billion+ peripheral IV catheters (PIVCs) are placed every year.[2]
Approximately 90% of all hospital patients receive IV therapy.[1]

of catheters placed are PIVCs.[3]

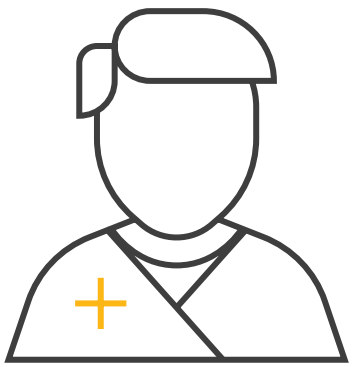
When clinicians use a PIVC without blood control technology, blood leakage occurs during insertion

61%

of the time,[4] risking exposure to bloodborne pathogens (BBPs)

Up to

50% of patients who receive a PIVC experience a catheter-related complication[1]



ED studies suggest that first insertion success ranges from

18–79%[5]

Multiple insertion attempts increase the threats to clinicians of NSI (needle-stick injuries) and potential exposure to BBPs, and subject patients to undue pain and increased infection risk.

The right catheter can deliver confidence, care and comfort.

BD Cathena™ Safety IV Catheter with BD Multiguard™ Technology enhances clinician confidence, improves care and increases patient comfort.

Enhanced confidence

Reduces blood exposure risk† by stopping blood during connections and reconnections.[6††]

Obviates the need for venous compression to prevent blood leakage. [6,7††]

Provides immediate visual confirmation of vessel entry with BD Instaflash™ Needle Technology, improving opportunities for first attempt insertion success. [8]

Passive safety system provides protection from NSIs. [9]

Ergonomic design is easily adaptable to preferred insertion techniques and provides enhanced control throughout the procedure. [10]

Improved care

Decreases the risk of mechanical phlebitis by up to 50% with BD Vialon™ Catheter Material. [11]

Increased comfort

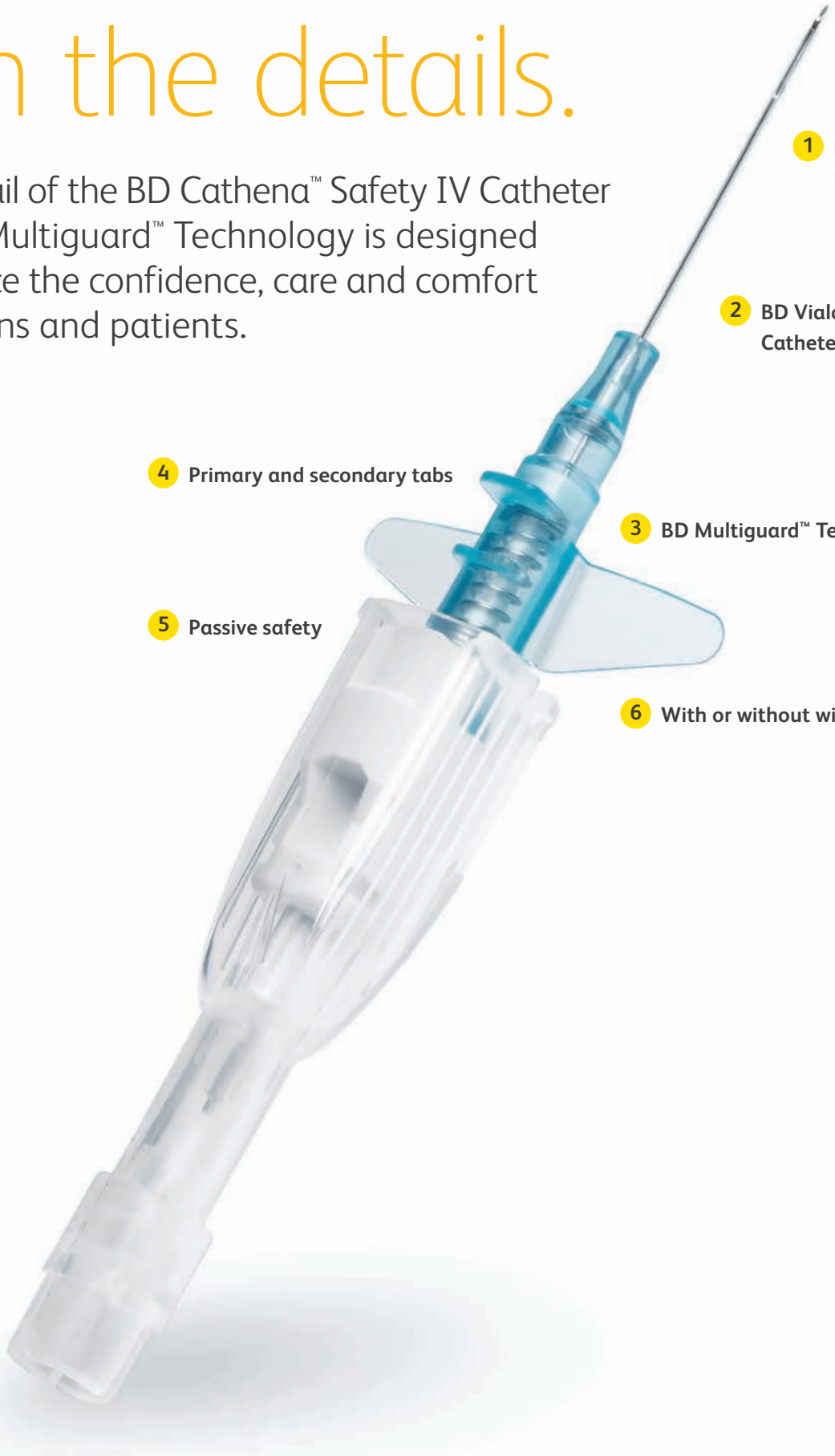
Supports longer dwell times, minimizing restarts and reinsertions with BD Vialon™ Catheter Material.[11]

Design minimizes insertion discomfort with smooth, tapered catheter tip*[12]

†Compared to a non-safety, non-blood control catheter. ††For up to 10 seconds. *Compared to non-tapered tip.

The difference is in the details.

Every detail of the BD Cathena™ Safety IV Catheter with BD Multiguard™ Technology is designed to enhance the confidence, care and comfort of clinicians and patients.



1 BD Instaflash™ Needle Technology

Designed to confirm immediate visual vessel entry, increasing opportunities for first insertion success.[8]

2 BD Vialon™ Catheter Material

Softens in the vein up to 70%, enabling longer dwell times,[12*] minimizing re-starts and reducing the risk of mechanical phlebitis.[11*]

3 BD Multiguard™ Technology

Eliminates the need for venous compression during insertion, connections and disconnections, and blood draws,[6,7†] reducing the risk of blood exposure.[††]

4 Primary and secondary tabs

Ergonomically designed to accommodate a variety of techniques, while a secondary anti-rotation tab provides enhanced tactile control during advancement.[10]

5 Passive safety

Automatically shields the needle as it is withdrawn, providing protection from needlestick injury and blood exposure[9].

6 With or without wings

Configurations available to address clinician preference.

BD Cathena™ Safety IV Catheter is power injectable to a maximum of 325 psi.

†For up to 10 seconds. ††Compared to a non-safety, non-blood control catheter. *Compared to an FEP catheter.

Confidence, care and comfort from one trusted source.

The BD Cathena™ Safety IV Catheter offers confidence, care and comfort in a single device. Successful outcomes depend on clinicians choosing the right catheter for the right patient at the right time.

BD Vascular Access Management combines the industry's broadest range of catheters and device placement technologies with clinical assessments, consultative expertise, expert training and in-depth education. It's comprehensive, evidence-based and designed to empower clinicians to select the right device, and place it successfully, on the first try.

Ordering information[13,14]

BD Cathena™ Safety IV Catheters come in five gauge sizes color coded for ease of identification.

Straight product no.	Winged product no.	Size	Inner diameter	Outer diameter	Gravity flow rate	Maximum power injector flow rate for contrast media viscosity =11.8 cP (mPa s)	Maximum power injector flow rate for contrast media viscosity =27.5 cP (mPa s)
BD Cathena™ Safety IV Catheter with BD Multiguard™ Technology							
386807	386815	24 G x 0.75 in 0.7 x 19 mm	0.53 mm	0.71 mm	21 mL/min *(1,200 mL/hr)*	3.5 mL/sec	2.5 mL/sec
386806	386813	22 G x 1.00 in 0.9 x 25 mm	0.67 mm	0.90 mm	36 mL/min *(2,160 mL/hr)*	6.0 mL/sec	3.5 mL/sec
—	386814	22 G x 2.00 in 0.9 x 51 mm	0.67 mm	0.90 mm	29 mL/min *(1,740 mL/hr)*	6.0 mL/sec	3.5 mL/sec
386803	386810	20 G x 1.00 in 1.1 x 25 mm	0.83 mm	1.10 mm	64 mL/min *(3,840 mL/hr)*	11.0 mL/sec	7.0 mL/sec
386804	386811	20 G x 1.25 in 1.1 x 32 mm	0.83 mm	1.10 mm	60 mL/min *(3,600 mL/hr)*	11.0 mL/sec	7.0 mL/sec
386805	386812	20 G x 2.00 in 1.1 x 51 mm	0.83 mm	1.10 mm	52 mL/min *(3,120 mL/hr)*	11.0 mL/sec	7.0 mL/sec
386801	386808	18 G x 1.25 in 1.3 x 32 mm	0.98 mm	1.31 mm	94 mL/min *(5,640 mL/hr)*	16.0 mL/sec	10.0 mL/sec
386802	386809	18 G x 2.00 in 1.3 x 51 mm	0.98 mm	1.31 mm	87 mL/min *(5,220 mL/hr)*	16.0 mL/sec	10.0 mL/sec
BD Cathena™ Safety IV Catheter without BD Multiguard™ Technology							
386818	386821	24 G x 0.75 in 0.7 x 19 mm	0.53 mm	0.71 mm	20 mL/min *(1,200 mL/hr)*	3.5 mL/sec	2.5 mL/sec
386816	386819	16 G x 1.25 in 1.7 x 32 mm	1.36 mm	1.74 mm	212 mL/min *(12,720 mL/hr)*	27.0 mL/sec	18.0 mL/sec
386817	386820	16 G x 2.00 in 1.7 x 51 mm	1.36 mm	1.74 mm	200 mL/min *(12,000 mL/hr)*	27.0 mL/sec	18.0 mL/sec

- Maximum power injector pressure limit setting is 325 psi (2,240 kPa)
- Straight catheters: 50 per shelf box, 200 per case
- Winged catheters: 30 per shelf box, 120 per case
- BD Cathena™ Safety IV Catheters are MR Conditional. Refer to the product Instructions for Use for the specified conditions for use.
- CE marked per BSI number 2797

To learn more, contact your BD sales consultant.

References

1 Helm RE, Klausner JD, Klemperer JD, et al. Accepted but unacceptable: peripheral IV catheter failure. Infus Nurs Society. 2015;38(3):189-203. **2** Alexandrou E, Ray-Barruel G, Carr PJ, et al. International prevalence of the use of peripheral intravenous catheters. Journal of Hospital Medicine. 2015 Aug 1;10(8):530-3. **3** iData Research Inc. European Market Report Suite for Vascular Access Devices. 2016. **4** Haeseler G, Hildebrand M, Fritscher J. Efficacy and ease of use of an intravenous catheter designed to prevent blood leakage: prospective observational study. J Vasc Access. 2015;16(3):233-236. **5** Carr P, Rippey J, Budgeon C, Cooke M, Higgins N, Rickard C. Insertion of peripheral intravenous cannulae in the Emergency Department: factors associated with first-time insertion success. J Vasc Access. 2016; 17(2):182-190. **6** C--1977 C-MPS-0037 BD Cathena Claim 9 - Eliminating the need for venous compression (v0.1). 05/2020. **7** Seiberlich LE, Keay V, Kollos 5, Junghans T, Lang E, McRae AD. Clinical performance of a new blood control peripheral intravenous catheter: A prospective, randomized, controlled study. Int Emerg Nurs. 2016;25:59-6e. **8** C--1973 C--0027 Infusion Claim 2 - BD Instaflash needle technology (v0.2). 05/2020. **9** C--1975 C-MPS-0035 BD Cathena Claim 7 - Automatically shields needle (v0.1). 05/2020. **10** C--1976 C-MPS-0036 BD Cathena Claim 8 - Ergonomically designed (v0.1). 05/2020. **11** Maki DG, Ringer M. Risk factors for infusion-related phlebitis with small peripheral venous catheters. Annals of Internal Medicine. 1991;114:845- 854. **12** C--1974 C--0030 Infusion Claim 4 - BD Vialon biomaterial (v0.1). 05/2020. **13** BD Cathena™ with Multiguard™ Technology IFU. D17273-6 **14**: C--2138 Specification Claims for BD Cathena™ Safety IV catheter. v1.0. (07/2020)

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