



Connect to confidence,
care and comfort.

BD Cathena™ Safety IV Catheter with BD Multiguard™ Technology



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



of IV catheters placed are PIVCs.³

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

In a study, when clinicians used a PIVC without blood control technology, blood leakage occurred during insertion

61%

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

> 50%

of hospitalized patients who receive a PIVC experience a catheter-related complication^{1,5}



Emergency department studies suggest that first attempt insertion success ranges from

18–79%⁶

Multiple insertion attempts increase the risks to clinicians of needlestick injury (NSI) and potential exposure to BBPs, and subject patients to undue pain and increased infection risk.



The right catheter can help 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



Eliminates the need to use your hand for venous compression during insertion,⁷ repeated connections and blood draws.[†]



Helps reduce blood exposure risk^{††} by stopping blood during connections and reconnections.^{7†}



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



Passive safety system helps provide protection from NSIs.



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

Improved care



Decreases the risk of mechanical phlebitis by up to 69% with BD Vialon™ Catheter Material.^{8*}

Increased comfort

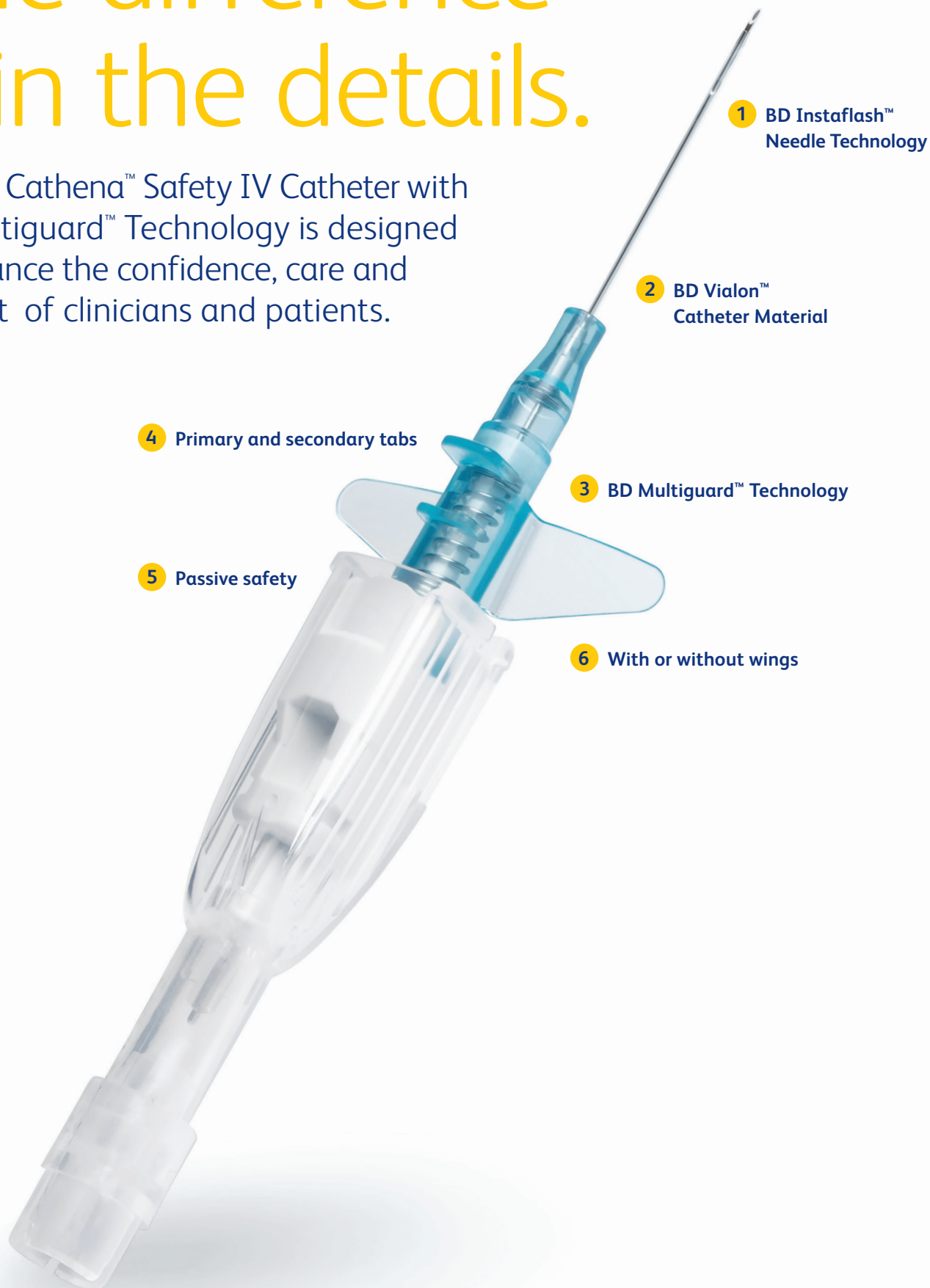


Supports longer dwell times,^{8*} minimizing re-starts and reinsertions with BD Vialon™ Catheter Material.⁸

[†]For up to 10 seconds. ^{††}Compared to a non-safety, non-blood control catheter. ^{*}Compared to an FEP catheter. ^{**}Compared to non-tapered tip.

The difference is in the details.

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 attempt insertion success.



2 **BD Vialon™ Catheter Material**

Softens, enabling longer dwell-time and reducing the chance of phlebitis up to 69%.^{8*}



3 **BD Multiguard™ Technology**

Eliminates the need for venous compression during insertion, connections and disconnections, and blood draws,^{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.



5 **Passive safety**

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



6 **With or without wings**

Configurations available to address clinician preference.

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 is an integrated approach designed to identify and address gaps in the vascular access process that may result in improved clinical outcomes, better patient experiences, and process and economic efficiencies. ^{9,10,11}



Ordering information

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

Non-winged SKU	Winged SKU	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							
386860	386880	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
386861	386881	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
	386882	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
386862	386883	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
386863	386884	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
386864	386885	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
386865	386886	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
386866	386887	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
386867	386888	16 G x 1.25 in 1.7 x 32 mm	1.36 mm	1.74 mm	190 mL/min (11,400 mL/hr)	27.0 mL/sec	18.0 mL/sec
386868	386889	16 G x 2.00 in 1.7 x 51 mm	1.36 mm	1.74 mm	176 mL/min (10,560 mL/hr)	27.0 mL/sec	18.0 mL/sec
BD Cathena™ Safety IV Catheter without BD Multiguard™ Technology							
386859	386879	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
386871	386892	22 G x 1.00 in 0.9 x 25 mm	0.67 mm	0.90 mm	37 mL/min (2,220 mL/hr)	6.0 mL/sec	3.5 mL/sec
	386893	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
386872	386894	20 G x 1.00 in 1.1 x 25 mm	0.83 mm	1.10 mm	65 mL/min (3,900 mL/hr)	11.0 mL/sec	7.0 mL/sec
386873	386895	20 G x 1.25 in 1.1 x 32 mm	0.83 mm	1.10 mm	62 mL/min (3,720 mL/hr)	11.0 mL/sec	7.0 mL/sec
386874	386896	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
386875	386897	18 G x 1.25 in 1.3 x 32 mm	0.98 mm	1.31 mm	104 mL/min (6,240 mL/hr)	16.0 mL/sec	10.0 mL/sec
386876	386898	18 G x 2.00 in 1.3 x 51 mm	0.98 mm	1.31 mm	90 mL/min (5,400 mL/hr)	16.0 mL/sec	10.0 mL/sec
386869	386890	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
386870	386891	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

- BD Cathena™ Safety IV Catheters are suitable for use with power injectors set to a maximum pressure of 325 psi (2240 kPa).
- Without wings catheters: 50 per shelf box, 200 per case
- With wings 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.

To learn more, contact your BD sales consultant.

References

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