

Алматы (727)345-47-04
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Россия +7(495)268-04-70

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Казахстан +7(727)345-47-04

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Беларусь +(375)257-127-884

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саранск (8342)22-96-24
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Узбекистан +998(71)205-18-59

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Улан-Удэ (3012)59-97-51
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Киргизия +996(312)96-26-47

<https://becton.nt-rt.ru> || bog@nt-rt.ru

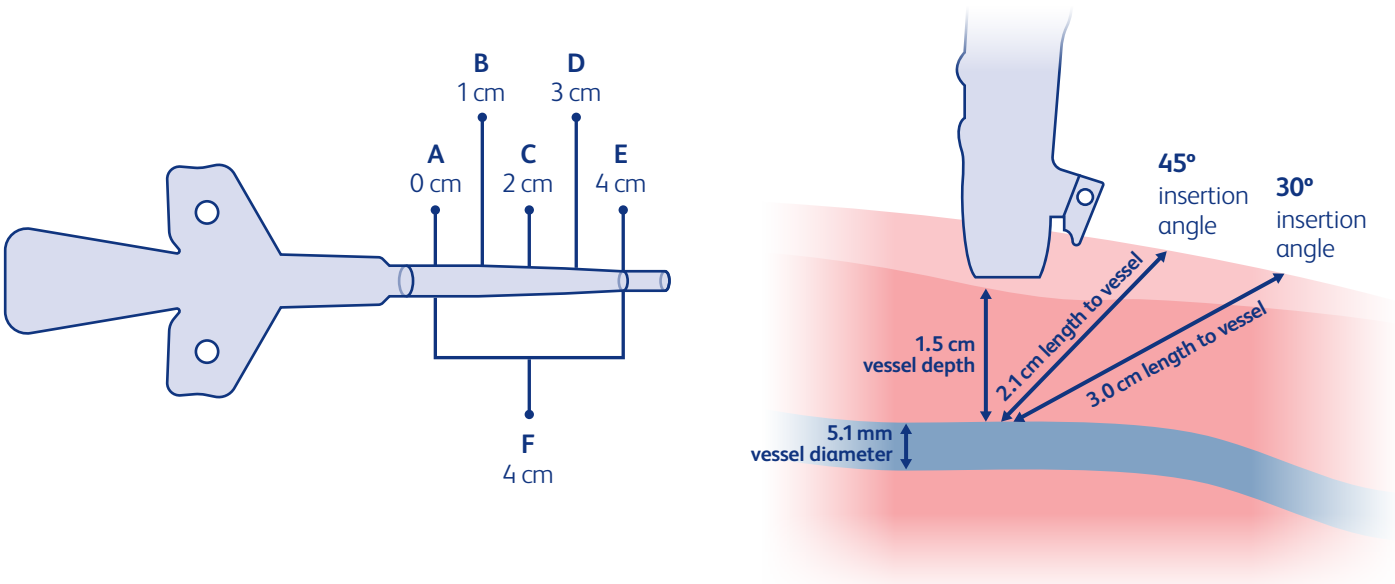


PowerPICC Provena™ Catheters

Aligned with 2024 Infusion Nursing Society (INS) Standards

The 2024 Infusion Nursing Society (INS) guidelines recommend to “ensure a catheter-to-vessel ratio of less than 45%” and to select “the least invasive VAD (vascular access device) with the smallest outer diameter and fewest number of lumens needed for the prescribed therapy.”¹

PowerPICC Provena™ Catheters are kink resistant and feature a 4 cm reverse taper designed to help prevent insertion site bleeding.



PowerPICC Provena™ Catheters

Catheter to vein ratio (CVR) calculation based on 5.1 mm diameter vessel. Vessel diameter, vessel depth, and angle of insertion are factors that will determine what portion of the catheter is within the vessel and the accurate CVR. The Site-Rite™ Ultrasound System also provides the capability to visualize and measure catheter size relative to the vessel.

Catheter cm markings		A (0 cm)	B (1 cm)	C (2 cm)	D (3 cm)	E (4 cm)	F (Taper length)
Catheter French size	3 French (Fr) SL	5 Fr/1.66 mm (32% CVR)	4.5 Fr/1.53 mm (30% CVR)	4 Fr/1.40 mm (27% CVR)	3.5 Fr/1.27 mm (25% CVR)	3 Fr/1.14 mm (22% CVR)	4 cm
	4 French (Fr) DL	6 Fr/1.99 mm (39% CVR)	5.5 Fr/1.86 mm (36% CVR)	5 Fr/1.72 mm (34% CVR)	4.5 Fr/1.59 mm (31% CVR)	4 Fr/1.45 mm (28% CVR)	4 cm
	5 French (Fr) TL	7 Fr/2.29 mm (45% CVR)	6.5 Fr/2.14 mm (42% CVR)	6 Fr/2.00 mm (39% CVR)	5.5 Fr/1.85 mm (36% CVR)	5 Fr/1.71 mm (34% CVR)	4 cm

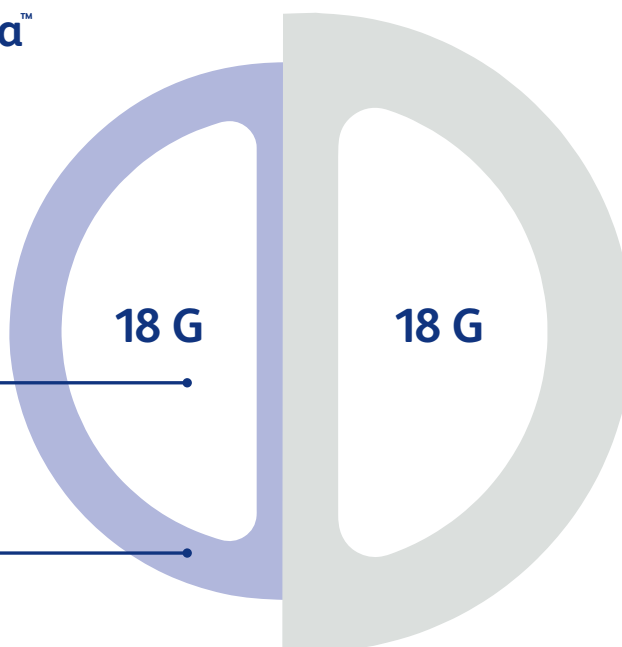
BD PowerPICC™ and BD PowerPICC Provena™ Catheter Lumen Comparison

PowerPICC Provena™ Catheter

4 Fr dual lumen
5 mL/sec max flow rate

98%
Intraluminal area*

14%
Smaller outer diameter*



PowerPICC™ Catheter

5 Fr dual lumen
5 mL/sec max flow rate

Dual lumen PICCs	PowerPICC Provena™ Catheter	PowerPICC™ Catheter
French size (Fr)	4	5
Lumen size (G)	18/18	18/18
Power-injection rate (mL/sec)	5	5
Reverse taper length (cm)	4	7
Gravity flow rate (mL/hr)	531	578
Max achievable pump flow rate saline (mL/hr)	999**	999**
Max achievable pump flow rates (mL/hr) with simulated viscosity of 2.0cP (similar to TPN)*	812†	975**
Max achievable pump flow rates (mL/hr) with simulated viscosity of 3.5cP (similar to blood)	464†	557†

PICC, peripherally inserted central catheter; TPN, total parenteral nutrition

* Compared to PowerPICC™ 5 Fr dual lumen catheter.

** BD Alaris™ Infusion System LVP with pressure setting 500 mm/Hg and full-length catheter at 55 cm.

† In bench top testing and not indicative of clinical results.

Instructions for Use

PowerPICC Provena™ 3 Fr SL and 4 Fr DL Catheters

The PowerPICC Provena™ Catheters are indicated for short- or long-term peripheral access to the central venous system for intravenous therapy, blood sampling, power injection of contrast media, and allows for central venous pressure monitoring. For central venous pressure monitoring, it is recommended that a catheter lumen of 20 gauge or larger be used.

Catheter size	Maximum flow rate
3 Fr single lumen	3 mL/sec
4 Fr dual lumen	5 mL/sec

5 Fr triple lumen catheters

The PowerPICC Provena™ Catheter is indicated for short- or long-term peripheral access to the central venous system for intravenous therapy, power injection of contrast media, and allows for central venous pressure monitoring. For blood sampling, infusion, or therapy, use a 4 French or larger catheter. The maximum recommended infusion rate is 5 mL/sec for power injection of contrast media. For central venous pressure monitoring, it is recommended that a catheter lumen of 20 gauge or larger be used.

Sherlock 3CG™ Tip Positioning System (TPS) Stylet

Catheter stylets provide internal reinforcement to aid in catheter placement. When used with the Sherlock 3CG™ Tip Confirmation System (TCS), the Sherlock 3CG™ TPS Stylet also provides the placer rapid feedback on catheter tip location and orientation through the use of passive magnets and cardiac electrical signal detection.

PowerPICC Provena™ 3 Fr SL and 4 Fr DL Catheters with SOLO™2 Valve Technology

The PowerPICC Provena™ Catheters with SOLO™2 Valve Technology are indicated for short- or long-term peripheral access to the central venous system for intravenous therapy, blood sampling, power injection of contrast media, and allows for central venous pressure monitoring. For central venous pressure monitoring, it is recommended that a catheter lumen of 20 gauge or larger be used.

Catheter size	Maximum flow rate
3 Fr single lumen	3 mL/sec
4 Fr dual lumen	5 mL/sec

5 Fr triple lumen catheters

The PowerPICC Provena™ Catheter with SOLO™2 Valve Technology is indicated for short- or long-term peripheral access to the central venous system for intravenous therapy, power injection of contrast media, and allows for central venous pressure monitoring. For blood sampling, infusion, or therapy, use a 4 French or larger catheter. The maximum recommended infusion rate is 5 mL/sec for power injection of contrast media. For central venous pressure monitoring, it is recommended that a catheter lumen of 20 gauge or larger be used.

Sherlock 3CG™ Tip Positioning System (TPS) Stylet

Catheter stylets provide internal reinforcement to aid in catheter placement. When used with the Sherlock 3CG™ Tip Confirmation System (TCS), the Sherlock 3CG™ TPS Stylet also provides the placer rapid feedback on catheter tip location and orientation through the use of passive magnets and cardiac electrical signal detection.

Алматы (727)345-47-04
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Россия +7(495)268-04-70

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)22-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Казахстан +7(727)345-47-04

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Беларусь +375)257-127-884

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саранск (8342)22-96-24
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Узбекистан +998(71)205-18-59

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Улан-Удэ (3012)59-97-51
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Киргизия +996(312)96-26-47