

# PowerPICC solo\* Catheter

Power. Saline. One.\*

## HUBS

denote maximum injection rate of 5 ml/sec

## UNIQUE HUB DESIGN

## EXTENSION LEGS

clearly labeled "Power Injectable"

## THE POWER OF PURPLE\*

Power  
Injectable PICC

## VALVE TECHNOLOGY

valve at proximal end of catheter

## BLUE COLOR

Symbolizes **Saline**  
Care and Maintenance

- SALINE CARE AND MAINTENANCE
- CLAMPLESS DESIGN
- CVP MONITORING
- POLYURETHANE MATERIAL
- 55 CM LENGTH
- DEPTH MARKINGS
- REVERSE TAPER DESIGN

## RECOMMENDED FLUSHING/MAINTENANCE PROCEDURE(S)

The catheter should be maintained in accordance with standard hospital protocols.

Recommended catheter flushing/maintenance is as follows:

1. Flush the catheter after every use, or at least weekly when not in use. Use a 10 ml or larger syringe.
2. **Flush the catheter with a minimum of 10 ml of 0.9% sodium chloride, using a "pulse" or "stop/start" technique.** Use of heparinized saline to lock each lumen of the catheter is optional.
3. Disconnect the syringe and attach a sterile end cap to the catheter hub and tighten securely.
4. Prior to blood sampling when infusing TPN, follow routine maintenance procedure except use 20 ml saline and flush to clear TPN from the catheter.
5. If resistance is met when flushing, no further attempts should be made. Further flushing could result in catheter rupture with possible embolization. Refer to institution protocol for clearing occluded catheters.

NOTE: When injecting or infusing medications that are incompatible, you should always flush the catheter with a minimum of 10 ml saline before and after each medication.

NOTE: When maintained in accordance with these instructions, the PowerPICC SOLO\* catheter does not require the use of heparinized saline to lock the catheter lumens. However, use of heparinized saline will not adversely effect the catheter and may be necessary based on patient status or use of alternate flushing and locking techniques.

**Caution: Always remove needles or syringes slowly while injecting the last 0.5 ml of saline.**

**Caution:** Use aseptic techniques whenever the catheter lumen is opened or connected to other devices.

**Caution:** The PowerPICC SOLO\* catheter is designed for use with a needleless injection caps or "direct-to-hub" connection technique. Apply a sterile end cap on the catheter hub to prevent contamination when not in use. Use of a needle longer than 1.6 cm may cause damage to the valve.

**Warning:** Alcohol should not be used to lock, soak or declot polyurethane PICCs because alcohol is known to degrade polyurethane catheters over time with repeated and prolonged exposure.

## POWER INJECTION PROCEDURE

1. Remove the injection/needleless cap from the PowerPICC SOLO\* catheter.
2. Attach a 10 ml or larger syringe filled with sterile normal saline.
3. Aspirate for adequate blood return and vigorously flush the catheter with the full 10 ml of sterile normal saline.  
**Warning:** Failure to ensure patency of the catheter prior to power injection studies may result in catheter failure.
4. Detach syringe.
5. Attach the power injection device to the PowerPICC SOLO\* catheter per manufacturer's recommendations.
6. Contrast media should be warmed to body temperature prior to power injection.  
**Warning:** Failure to warm contrast media to body temperature prior to power injection may result in catheter failure.
7. Use only lumens marked "Power Injectable" for power injection of contrast media.  
**Warning:** Use of lumens not marked "Power Injectable" for power injection of contrast media may cause failure of the catheter.
8. Complete power injection study taking care not to exceed the flow rate limits.  
**Warning:** Exceeding the maximum flow rate of 5 ml/sec or the maximum pressure of 300 psi, may result in catheter failure and/or catheter tip displacement.  
**Warning:** Power injector machine pressure limiting feature may not prevent overpressurization of an occluded catheter, which may cause catheter failure.
9. Disconnect the power injection device.
10. Flush the PowerPICC SOLO\* catheter with 10 ml of sterile normal saline, using a 10 ml or larger syringe.
11. Replace the injection/needleless cap on the PowerPICC SOLO\* catheter.

## INDICATIONS

The PowerPICC SOLO\* 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.

POWERPICC SOLO* CATHETER CONFIGURATION	LUMEN SIZE	USABLE LENGTH	POWER INJECTION FLOW RATE	MAXIMUM POWER INJECTOR PRESSURE SETTING	GRAVITY FLOW RATE (ml/hr)	PRIMING VOLUME (ml)
4 Fr. Single-Lumen	18	55 cm	5 ml/sec.	300 psi	1024	0.73
5 Fr. Single-Lumen	18	55 cm	5 ml/sec.	300 psi	978	0.73
5 Fr. Dual-Lumen	18/18	55 cm	5 ml/sec.	300 psi	498/498	0.65/0.65
6 Fr. Dual-Lumen	18/18	55 cm	5 ml/sec.	300 psi	740/740	0.75/0.75
6 Fr. Triple-Lumen						
RED LUMEN	17 Ga.	55 cm	5 ml/sec	300 psi	560	0.71
GREY LUMEN	19 Ga.	55 cm	N/A - No CT	N/A - No CT	308	0.57
WHITE LUMEN	19 Ga.	55 cm	N/A - No CT	N/A - No CT	308	0.57

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Please consult product labels and inserts for any indications, contraindications, hazards, warnings, cautions and instructions for use.

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