

## Pressure Injectable PICC Injection Log

<b>PATIENT ID</b>	Notes:				
<b>FIRST NAME</b>					
<b>LAST NAME</b>					
<b>LOCATION</b> (unit/ward/bed)					
<b>DATE OF BIRTH</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>SEX</b>	<input type="checkbox"/> ♂ (M)	<input type="checkbox"/> ♀ (F)			
<b>INSERTION SITE</b>	<input type="checkbox"/> Right	<input type="checkbox"/> Left	<input type="checkbox"/> Basilic	<input type="checkbox"/> Cephalic	<input type="checkbox"/> Brachial
	Other: <input type="text"/>				
<b>DATE INSERTED</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<b>REF:</b>				
	<b>LOT:</b>				

	Date	Lumen	Contrast Media	Volume	Flow Rate
<b>1</b>					
	Notes:				
<b>2</b>					
	Notes:				
<b>3</b>					
	Notes:				
<b>4</b>					
	Notes:				
<b>5</b>					
	Notes:				
<b>6</b>					
	Notes:				
<b>7</b>					
	Notes:				
<b>8</b>					
	Notes:				
<b>9</b>					
	Notes:				
<b>10</b>					
	Notes:				

P-44041-103A, Rev. 1 (9/14)

PATIENT LABEL  
CATHETER LABEL

**ARROW**<sup>®</sup>  
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# CG<sup>+</sup>™ ARROW® PICC Pressure Injectable Information

**MAXIMUM injector pressure setting: 300 psi**

Catheter Size	Lumen	MAX Indicated Pressure Injection Flow Rate (11.8 cP) <sup>1</sup>	MAX Catheter Pressure During MAX Flow Conditions <sup>1,2</sup>	Minimum Static Burst Pressure <sup>1,3</sup>
4.5 Fr. 40 cm 1-L	Distal	5 mL/sec	210 psi	411 psi
4.5 Fr. 45 cm 1-L	Distal	5 mL/sec	223 psi	460 psi
4.5 Fr. 50 cm 1-L	Distal	5 mL/sec	248 psi	382 psi
4.5 Fr. 55 cm 1-L	Distal	5 mL/sec	257 psi	423 psi
5.5 Fr. 40 cm 2-L	Distal	5 mL/sec	206 psi	352 psi
	Proximal	5 mL/sec	207 psi	352 psi
5.5 Fr. 45 cm 2-L	Distal	5 mL/sec	218 psi	402 psi
	Proximal	5 mL/sec	215 psi	414 psi
5.5 Fr. 50 cm 2-L	Distal	5 mL/sec	220 psi	362 psi
	Proximal	5 mL/sec	220 psi	357 psi
5.5 Fr. 55 cm 2-L	Distal	5 mL/sec	230 psi	346 psi
	Proximal	5 mL/sec	227 psi	323 psi
6 Fr. 40 cm 3-L	Distal	6 mL/sec	187 psi	357 psi
6 Fr. 45 cm 3-L	Distal	6 mL/sec	187 psi	353 psi
6 Fr. 50 cm 3-L	Distal	6 mL/sec	196 psi	351 psi
6 Fr. 55 cm 3-L	Distal	6 mL/sec	207 psi	349 psi

The approximate flow capability for the 4.5 Fr. 1-L and 5.5 Fr. 2-L pressure injectable lumens using an injectate of 4.7 centipoise (cP) is 8 mL/sec. The approximate flow capability for the 6 Fr. 3-L pressure injectable lumen using an injectate of 4.7 cP is 9 mL/sec. <sup>1</sup>Based on testing conducted using media at a viscosity of 11.8 cP measured at body temperature (37°C). <sup>2</sup>Internal catheter pressure during pressure injection at maximum flow conditions with injector safety cut-off at 300 psi. <sup>3</sup>Minimum static burst pressure is the failure point of catheter when occluded.

## Pressure Injection

### ⚠ Warnings and Precautions:

#### Warnings:

1. Assess each patient for appropriateness of a pressure injection procedure.
2. Pressure injection procedures must be performed by trained personnel well versed in safe technique and potential complications.
3. Use an appropriate method to confirm catheter tip position prior to each pressure injection per hospital/institutional policy.
4. Ensure patency of intended pressure injectable lumen of catheter prior to pressure injection to reduce the risk of catheter failure and/or patient complications.
5. Discontinue pressure injections at first sign of infiltration/extravasation. Follow hospital/institutional protocol for appropriate medical intervention.
6. Use only lumen(s) labeled "Pressure Injectable" for pressure injection to reduce the risk of catheter failure and/or patient complications.

#### Cautions:

1. Do not exceed ten (10) injections or the maximum pressure of 300 psi on power injector equipment to reduce the risk of catheter failure and/or tip displacement.
2. Do not exceed ten (10) injections or the catheter's maximum recommended flow rate located on product labeling to reduce the risk of catheter failure and/or tip displacement.
3. Warm contrast media to body temperature prior to pressure injection to reduce the risk of catheter failure.
4. Pressure limit settings on power injector equipment may not prevent over pressurizing an occluded or partially occluded catheter.
5. Use appropriate administration set tubing between catheter and power injector equipment to reduce the risk of catheter failure.
6. Follow the contrast media manufacturer's specified instructions for use, contraindications, warnings and precautions.

## Pressure Injection Instructions:

Use sterile technique.

**⚠ Warning:** Use an appropriate method to confirm catheter tip position prior to each pressure injection per hospital/institutional policy.

1. Remove injection cap from the extension line of catheter lumen to be injected.
2. Check for patency through intended pressure injectable lumen:
  - Attach 10 mL syringe, or larger, filled with sterile normal saline.
  - Flush catheter.
  - Aspirate catheter until approximately 3 mL of blood enters syringe freely.
  - Vigorously flush catheter.

**⚠ Warning:** Ensure patency of intended pressure injectable lumen of catheter prior to pressure injection to reduce the risk of catheter failure and/or patient complications.

3. Detach syringe.
4. Attach pressure injection administration set tubing to appropriate extension line of catheter according to manufacturer's recommendations.

**⚠ Warning:** Use only lumen(s) labeled "Pressure Injectable" for pressure injection to reduce the risk of catheter failure and/or patient complications.

**⚠ Caution:** Do not exceed ten (10) injections or catheter's maximum recommended flow rate located on product labeling to reduce the risk of catheter failure and/or tip displacement.

5. Inject contrast media in accordance with hospital/institutional protocol.

**⚠ Caution:** Warm contrast media to body temperature prior to pressure injection to reduce the risk of catheter failure.

**⚠ Caution:** Follow the contrast media manufacturer's specified instructions for use, contraindications, warnings and precautions.

6. Disconnect catheter from power injector equipment.
7. Flush catheter using a 10 mL syringe, or larger, filled with sterile normal saline.
8. Disconnect syringe and replace with sterile injection cap on catheter extension line.

**NOTE:** Do not exceed ten (10) pressure injections.

 See Instructions for Use for additional information.