

# Features That Allow You to Focus on Your Patient's Care

## Caring for patients is a dynamic process.

Most, if not all, of your patients are simultaneously receiving complimentary care that goes beyond their infusion therapy.

While POWERPORT® Implantable Ports are designed for optimal performance, they are most importantly designed to help improve patient care. CLEARVUE® Ports with CHRONOFLEX™ Catheters offer features that enable them to perform with reduced effects on radiation therapy and minimizing port-related artifact during CT and MRI imaging.¹ We believe that the right port can make your patients challenges a little easier.



- Metal-free construction
- Lightweight body
- Available in intermediate or low profile
- Premier Identification Bumps
   \*also available with a smooth septum
- Power injectable with contrast media

<sup>&</sup>lt;sup>1</sup> Bench test data on file, Bard Peripheral Vascular, Inc., Tempe, AZ. Different test methods may yield different results. Bench data may not be predictive of actual clinical use.



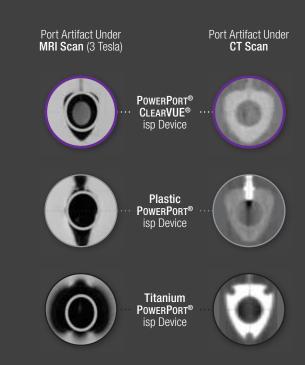
# Enabling Superior Imaging

POWERPORT® CLEARVUE® Implantable Ports can help reduce related artifact which may mask the identification of new tumor growth, new cancerous lesions or metastasized (METS) cancers during MRI imaging.

GI

A 66% reduction in CT artifact range beyond the edge of the port vs. Titanium and Plastic PowerPort® isp devices based on tested artifact imagery<sup>1</sup>

A 50+% reduction in MR artifact range beyond the edge of the port vs. Ti and Plastic POWERPORT® isp devices based on tested artifact imagery<sup>1</sup>



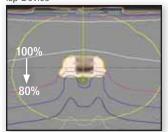
# And Reduce Effects of Radiation Therapy

In the presence of metal, radiation scatters. This scatter can impact radiation therapy negatively – potentially resulting in dosage potency and radiation targeting challenges.

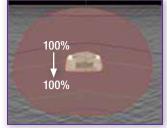
The POWERPORT® CLEARVUE® Implantable Ports' metal-free design has demonstrated no observable back scatter, side, scatter, or attenuation.1

# Radiation Attenuation Through a Port

Titanium PowerPort® isp Device



PowerPort® ClearVUE® isp Device



Tested at 6 MV and 18 MV x-ray

# Your Patient's **Comfort**

### One size does not fit all.

Patients need a port that is sized to fit their body. The POWERPORT® CLEARVUE® Implantable Ports come in two sizes to help address patient comfort. The POWERPORT® CLEARVUE® isp is an intermediate sized port while the POWERPORT® CLEARVUE® Slim is a low profile port.







POWERPORT® CLEARVUE® isp



# POWERPORT® CLEARVUE® Slim

- · Ideal for petite or cosmetically-minded patient
- · Shape aids in the formation of small incisions and port pockets
- · Lightweight plastic design
- · Power injectable with contrast media

# POWERPORT® CLEARVUE® isp

- · Silicone port body for a softer feel than plastic or titanium bodies
- · Compact size and footprint
- · Lightweight design
- · Power injectable with contrast media

# Port Options for **Your Patient's Needs**

The POWERPORT® CLEARVUE® Implantable Ports are now available in multiple configurations.

	PowerPort® CLEARVUE® isp Implantable Port	PowerPort® CLEARVUE® Slim Implantable Port		
Port				
Reservoir Material	Plastic w/Silicone Overmold	Plastic		
Profile	Intermediate	Low Profile		
Base Diameter (mm)	29.0	28.0		
Height (mm)	11.9	10.4		
Internal Volume (mL)	0.6	0.4		
Suture Mechanism	Silicone Overmold	Silicone-filled and Non-filled Suture Holes		
Septum				
Bump Configuration	Modified and Smooth	Modified and Smooth		
Diameter (mm)	13.0	8.9		
Available Catheter Options (Att	achable)			
6F Polyurethane (1.3 mm l.D., 45 cm Length) 0.7 mL volume (0.014 mL/cm)	<b>*</b>	<b>♦</b>		
8F Polyurethane (1.6 mm l.D., 45 cm Length) 0.9 mL volume (0.02 mL/cm)	<b>*</b>	<b>*</b>		
Kit Configuration				
	Intermediate, Microintroducer, and NauTILUS DELTA™	Intermediate, Microintroducer, and Na∪TILUS DELTA™		

# Premier Identification

The POWERPORT® family of implantable ports offers accurate identification at the time of access and immediately prior to power injection.



Point of Care **Identifiers** 



Facility Dependent **Identifiers** 



Patient Dependent **Identifiers** 

# Tip Confirmation The Nautilus Delta™ Tip Confirmation System is Bard's first ECG-based system enabled for navigation and positioning of port catheters. It is indicated as an alternative to fluoroscopy and chest x-ray for catheter tip confirmation in patient's with an identifiable P-wave — opening the door to a whole new port practice that is no longer bound by fluoroscopic or x-ray technologies. Nautilus Delta™ port options are now available in PowerPort® ClearVue® isp and Slim Implantable Port kits.

# POWERPORT CLEARVUE ISP

Implantable Port

# **Ordering Information**

Description	Suture	Kit Type	Product Code
PowerPort® ClearVUE® isp, 6F ChronoFlex™ Catheter	Silicone Overmold	Microintroducer	<u> </u>
PowerPort® ClearVUE® isp, 8F ChronoFlex™ Catheter	Silicone Overmold	Microintroducer	<u> </u>
PowerPort® ClearVUE® isp, 6F ChronoFlex™ Catheter	Silicone Overmold	Intermediate	<u> </u>
POWERPORT® CLEARVUE® isp, with Smooth Septum, 6F CHRONOFLEX™ Catheter	Silicone Overmold	Intermediate	<u> </u>
PowerPort® ClearVUE® isp, 8F ChronoFlex™ Catheter	Silicone Overmold	Intermediate	<u> </u>
POWERPORT® CLEARVUE® isp, with Smooth Septum, 8F CHRONOFLEX™ Catheter	Silicone Overmold	Intermediate	<u> </u>
PowerPort® ClearVUE® isp, 6F ChronoFlex™ Catheter with Nautilus Delta™ E Electrical Adaptor*	Silicone Overmold	Intermediate	<u> </u>
PowerPort® ClearVUE® isp, 8F ChronoFlex™ Catheter with Nautilus Delta™ E Electrical Adaptor*	Silicone Overmold	Intermediate	<u> </u>

# PowerPort ClearVUE Slim

Implantable Port

## **Ordering Information**

Description	Suture	Kit Type	Product Code
PowerPort® ClearVUE® Slim, 6F ChronoFlex™ Catheter	Silicone Filled	Microintroducer	<u> </u>
PowerPort® ClearVUE® Slim, 6F ChronoFlex™ Catheter	Open	Microintroducer	<u> </u>
PowerPort® ClearVUE® Slim, 8F ChronoFlex™ Catheter	Silicone Filled	Microintroducer	<u> </u>
POWERPORT® CLEARVUE® Slim, 6F CHRONOFLEX™ Catheter	Silicone Filled	Intermediate	<u> </u>
PowerPort® ClearVUE® Slim, 6F ChronoFlex™ Catheter	Open	Intermediate	<u> </u>
POWERPORT® CLEARVUE® Slim with Smooth Septum, 6F CHRONOFLEX™ Catheter	Silicone Filled	Intermediate	<u> </u>
POWERPORT® CLEARVUE® Slim with Smooth Septum, 6F CHRONOFLEX™ Catheter	Open	Intermediate	<u> </u>
PowerPort® ClearVUE® Slim, 8F ChronoFlex™ Catheter	Silicone Filled	Intermediate	<u> </u>
PowerPort® ClearVUE® Slim, 8F ChronoFlex™ Catheter	Open	Intermediate	<u> </u>
POWERPORT® CLEARVUE® Slim with Smooth Septum, 8F CHRONOFLEX™ Catheter	Silicone Filled	Intermediate	<u> </u>
POWERPORT® CLEARVUE® Slim with Smooth Septum, 8F CHRONOFLEX™ Catheter	Open	Intermediate	<u> </u>
POWERPORT® CLEARVUE® Slim, 6F CHRONOFLEX™ Catheter with Nautilus Delta™ E Electrical Adaptor*	Silicone Filled	Intermediate	<u> </u>
POWERPORT® CLEARVUE® Slim, 8F CHRONOFLEX™ Catheter with Nautilus Delta™ E Electrical Adaptor*	Silicone Filled	Intermediate	<u> </u>

<sup>\*</sup> Please check with your local Bard sales representative for updates on stand-alone Nautilus Delta\* Electrical Adaptor product availability and for additional ordering information on the Nautilus Delta\* Tip Confirmation System.

### POWERPORT® CLEARVUE® Implantable Port

Indications for Use: The PowerPort® Implantable Port is indicated for patient therapies requiring repeated access to the vascular system. The port system can be used for infusion of medication, I.V. fluids, parenteral nutrition solutions, blood products, and for the withdrawal of blood samples. When used with a PowerLoc® Brand Safety Infusion Set, the PowerPort® device is indicated for power injection of contrast media. For power injection of contrast media, the maximum recommended rate is 5 mL/s.

Contraindications: 1.) Catheter insertion in the subclavian vein medial to the border of the first rib, an area which is associated with higher rates of pinch-off. Port may be placed in lateral subclavian vein based on evaluation by a qualified practitioner. 2.) When presence of device-related infection. bacteremia, or septicemia is known or suspected. 3.) When the patient's body size is insufficient for the size of the implanted device. 4.) When the patient is known or is suspected to be allergic to materials contained in the device. 5.) If severe chronic obstructive lung disease exists. 6.) If the prospective insertion site has been previously irradiated. 7.) If the prospective placement site has previously suffered episodes of venous thrombosis or vascular surgical procedures. 8.) If local tissue factors will prevent proper device stabilization and/or access.

Precautions: 1.) Check patient's records, and ask patient, whether they have any known allergies to chemicals or materials that will be used during the placement procedure. 2.) Fill (prime) the device with sterile normal saline solution to help avoid air embolism. 3.) Carefully follow the connection technique given in the IFU to ensure proper catheter connection and to avoid catheter damage. 4.) Care should be taken to avoid excessive force when accessing an implanted port.

Warnings: 1.) Avoid vessel perforation. 2.) Do not power inject through a port system that exhibits signs of clavicle-first reib compression or pinchoff as it may result in port system failure. 3.) POWERPORT® Implantable Ports are only power injectable when accessed with a PowerLoc® Brand Safety Infusion Set. 4.) Failure to ensure patency of the catheter prior to power injection studies may result in port system failure 5.) Exceeding maximum flow rate may result in port system failure and/or catheter tip displacement. 6.) PowerPort® implantable port indication for power injection of contrast media implies the port's ability to withstand the procedure, but it does not imply appropriateness of the procedure for a particular patient nor for a particular infusion set. A suitably trained clinician is responsible for evaluating the health staus of a

patient as it pertains to a power injection procedure and for evaluating the suitability of any infusion set used to access the port. 7.) Do not exceed a 300 psi pressure limit setting on the power injection machine, or the maximum recommended flow rate on the POWERLOC® needle, if power injecting through the POWERPORT® implantable port. 8.) If local pain, swelling or signs of extravasation are noted during power injection, the injection should be stopped immediately. 9.) Do not use a syringe smaller than 10 ml to access the port. Flushing occluded catheters with small syringes can create excessive pressure within the port system.

Potential Adverse Reactions: Air Embolism Device rotation or extrusion Allergic reactions Extravasation Catheter or port erosion through the skin Fibrin sheath formation.

Please consult product labels and inserts for any indications, contraindications, hazards, warnings, precautions, and directions for use.

### Nautilus Delta™ Tip Confirmation System

Indications for Use: The NAUTILUS DELTA™ Tip Confirmation System (TCS) is indicated for navigation and positioning of central venous access devices (CVADs) of at least 3 Fr in size. The NAUTILUS DELTA™ TCS provides real-time catheter tip location information by using the patient's cardiac electrical activity and is indicated for use as an alternative method to chest X-ray and fluoroscopy for CVAD tip placement confirmation.

In adult patients and in adolescents (greater than 12 through 21 years of age), the NAUTILUS DELTA™ TCS can be used with CVADs such as peripherally inserted central catheters (PICCs), central venous catheters (CVCs), implantable ports, and hemodialysis catheters; in children (greater than 2 to 12 years of age), the NAUTILUS DELTA™ TCS can be used with PICCs and with centrally inserted central catheters (CICCs); in infants (greater than 1 month to 2 years of age) and in neonates (from birth to 1 month of age), the NAUTILUS DELTA™ TCS can be used with CICCs. In each specific age group, the CVAD type and size must be chosen and the CVAD must be used according to the CVAD's indications and instructions for use.

Limiting but not contraindicated situations for this method are in patients where alterations of cardiac rhythm change the presentation of the P wave as in atrial fibrillation, atrial flutter, severe tachycardia, and pacemaker driven rhythm. In such patients, who are easily identifiable prior to central venous catheter insertion, the use of an additional method is required to confirm catheter tip location.

Contraindications: There are no contraindications specific to the NAUTILUS DELTA™ Tip Confirmation System. Consult the applicable implantable port Instructions for Use for possible port contraindications.

Warnings: • The Nautilus Delta™ Tip Confirmation System only works for a sinus rhythm of the heart. • Do not rely on ECG signal detection for catheter tip positioning when interpretation of the intravascular ECG P wave is difficult. For example, when: P wave is not present P wave is not identifiable P wave is intermittent. • These conditions may be a result of heart rhythm abnormalities, atrial fibrillation, atrial flutter, severe tachycardia or presence of cardiac rhythm devices. In these cases, rely on external measurement for tip positioning and use chest X-ray or fluoroscopy to confirm catheter tip location, as indicated by the institutional guidelines and clinical judgment. • Do not rely on ECG signal detection for catheter tip positioning when there are no observable changes in the intravascular ECG P wave. In these cases, rely on external measurement for tip positioning and use chest X-ray or fluoroscopy to confirm catheter tip location, as indicated by the institutional guidelines and clinical judgment. • Place skin electrodes carefully at locations indicated in these Instructions for Use and ensure good skinelectrode contact. Failure to do so may cause unstable ECG waveforms and/or ECG waveforms that are not described in these Instructions for Use. In such a case, rely on external measurement for tip positioning and use chest X-ray or fluoroscopy

to confirm catheter tip location, as indicated by the institutional guidelines and clinical judgment.

Monitor catheter tip placement during insertion procedure and verify catheter tip location placement using your institution's guidelines. Failure to verify catheter placement may result in serious trauma or fatal complications.

Consult the applicable implantable port Instructions for Use for additional warnings.

Precautions: • Electrodes should be applied only to intact, clean skin (i.e., not over open wounds, lesions, infected or inflamed areas). • Placement of red electrode outside of the indicated region may result in reduced ECG performance. • Discontinue electrode use immediately if skin irritation occurs. • Once catheter enters sterile field (attached to E-adaptor), take care to ensure that the catheter remains within the sterile field. • Electrodes may damage the skin if removed carelessly. • Caution: Federal law restricts this device to sale by or on the order of a physician. • If applicable, ensure the remote control is not discarded. • Consult port Instructions for Use for additional precautions.

**Possible Complications:** Consult the applicable implantable port Instructions for Use for possible complications.

Please consult product labels and inserts for any indications, contraindications, hazards, warnings, precautions, and directions for use.

For technical inquiries, contact the Bard Clinical Information Hotline at 800 555 7422.



