

**BARD**  
ACCESS SYSTEMS

Single  
septum  
 Dual  
septum

**PowerPort**  
IMPLANTABLE PORT

\_\_\_\_\_  
Patient's Name  
\_\_\_\_\_  
Doctor/ Doctor's Phone  
\_\_\_\_\_  
Implant Site/ Implant Date  
\_\_\_\_\_  
Notes

**CT** (300psi)

**AM** (3T)

Palpation of three bumps on top and the triangular shape of the port help to identify the single lumen PowerPort device for power injection. Dual lumen ports have three palpation bumps on top of each septum to aid in identification of a power-injectable port.

**PowerPort**  
IMPLANTABLE PORT

**BARD**

ACCESS SYSTEMS

**Bard Access Systems, Inc.**

605 North 5600 West  
Salt Lake City, UT 84116 USA  
801-522-5000

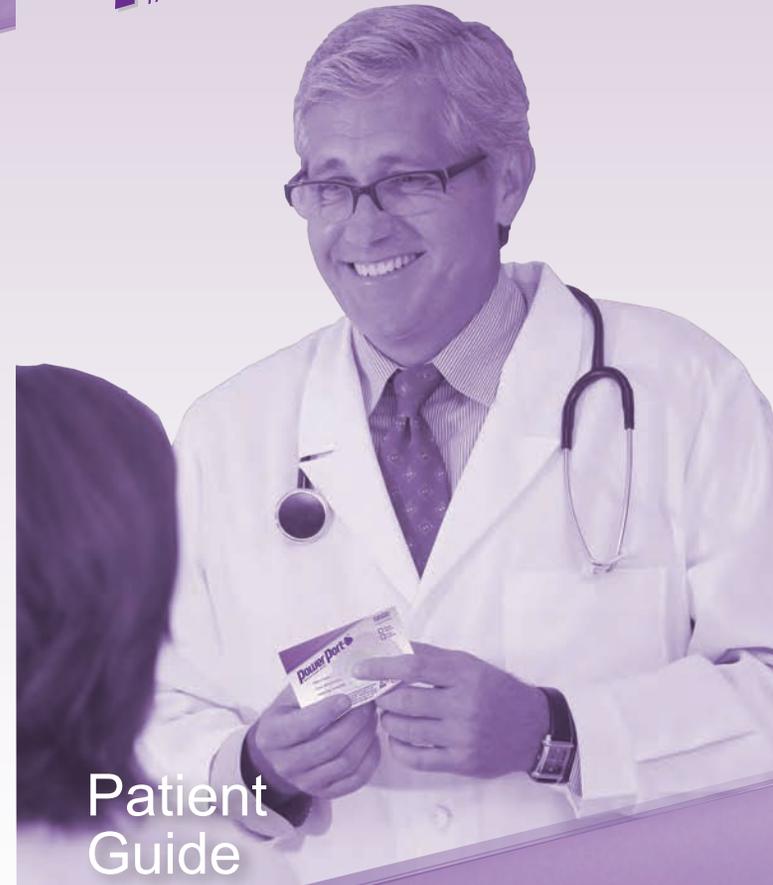
Clinical Information Hotline: 800-443-3385  
[www.bardaccess.com](http://www.bardaccess.com)  
[www.portadvantage.com](http://www.portadvantage.com)  
[www.powerportadvantage.com](http://www.powerportadvantage.com)

\* Bard, PowerLoc, PowerPort, and the radiopaque symbol are trademarks and/or registered trademarks of C. R. Bard or an affiliate.

© 2009 C. R. Bard, Inc. All rights reserved.

0723905 0910R

**PowerPort**  
IMPLANTABLE PORT



Patient  
Guide

**BARD**  
ACCESS SYSTEMS



# PowerPort®

IMPLANTABLE PORT

Access to a PowerPort® Implantable Port must be via a PowerLoc® Safety Infusion Set Family Device if power injecting.

**FLUSHING VOLUMES (PER LUMEN)**

- **Port not in use:**  
5 mL heparinized saline, every 4 weeks
- **After each infusion of medication or TPN:**  
10 mL sterile normal saline, then 5 mL heparinized saline
- **After blood withdrawal:**  
20 mL sterile normal saline, then 5 mL heparinized saline
- **After Power Injection of Contrast Media:**  
10 mL sterile normal saline, then 5 mL heparinized saline

**PowerLoc® Access Needle Flow Rates During Power Injection**

Size	19 G	20 G	22 G
Color	Cream	Yellow	Black
Max Recommended Flow Rate	5 mL/s	5 mL/s	2 mL/s
Max Recommended Pressure Setting	300 psi		

**BARD** ACCESS SYSTEMS 605 North 5600 West  
Salt Lake City, UT 84116 USA  
801-522-5000  
Clinical Information Hotline: 800-443-3385  
[www.bardaccess.com](http://www.bardaccess.com)  
[www.portadvantage.com](http://www.portadvantage.com)  
[www.powerportadvantage.com](http://www.powerportadvantage.com)

Lot Number:  
 Or place product identification sticker from the unit label here.

\* Bard, PowerLoc, PowerPort, and the radiopaque symbol are trademarks and/or registered trademarks of C. R. Bard, Inc. or an affiliate.

## Table of Contents

### **Introduction**

---

Introduction	3
Your Bard* PowerPort* Implanted Port	4
How Your Port Is Used	5

### **Identification**

---

How to Know Your Port is a Bard* PowerPort* Device	5
--	---

### **Access**

---

How is Your Port Accessed?	7
----------------------------	---

### **Care**

---

Care of Your Port	8
-------------------	---

### **Heparin Lock**

---

About Heparin Locks	8
---------------------	---

### **Power Injection/CECT Scans**

---

About Power-Injected CECT Scans	9
What Your Clinician Should Know	10

### **Q & A**

---

Common Questions and Answers	11
------------------------------	----

### **Talk to Your Clinician**

---

What to Report to Your Doctor or Nurse	13
--	----

### **Patient Checklist**

---

Patient Checklist	14
-------------------	----

### **Notes**

---

Notes	15
-------	----

## Introduction

Your doctor has recommended a Bard\* PowerPort\* implantable port because your treatment requires repeated injections of medicine into your blood. You may also need power-injected Contrast-Enhanced Computed Tomography (CECT) scans. This port will allow you to receive all of these treatments without the need for more needle sticks in your arm or leg veins.

Please read all of the information in this Patient Guide. It is designed to help you understand and feel comfortable with your port.

Not every port is able to receive fluid at a high rate (power injection). You should inform your nurse that your port is a Bard\* PowerPort\* device. You should also carry your port patient identification card with you. This card lets nurses know that you have a Bard\* PowerPort\* device. It also gives them important information they should know about the port.

If you have questions about your port, please talk to your doctor or nurse.



Single lumen port

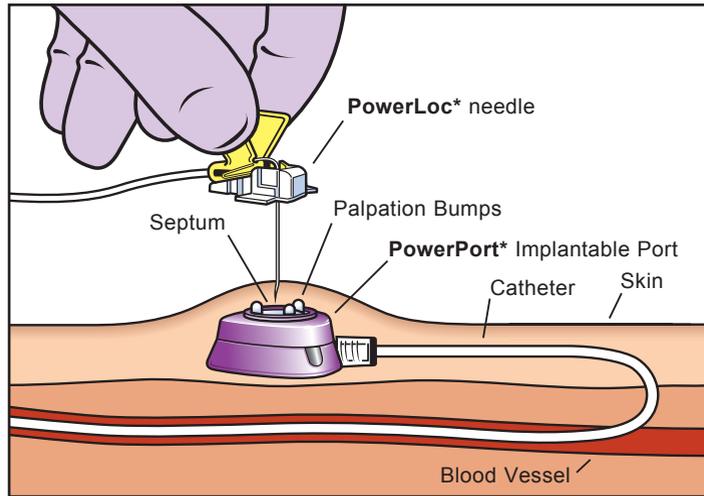


Dual lumen port

## Your Bard\* PowerPort\* Implantable Port

Your Bard\* PowerPort\* device is a small device (about the size of a quarter) used to carry medicine into the bloodstream. It has one or two small basins that are sealed with a soft silicone top, called a septum. The port is placed under the skin on your chest or arm. The port connects to a small, soft tube called a catheter. The catheter is placed inside one of the large central veins that take blood to your heart. When a special needle is put into the septum, it creates “access” to your bloodstream. Medicine and fluids can be given through the needle and blood samples can be withdrawn.

Your port has three bumps on top of each septum. The port with one septum is also shaped like a triangle. These features help the nurse know that your port can receive power injections.



## How Your Port is Used

Your doctor or nurse can give medicines or fluids and/or take blood samples through your port. They will not need to stick the veins in your arms with a needle. This makes it more comfortable for you. Because the port places medicines into a large central vein, the medicines mix better in the blood. The medicines are also diluted so they are less harmful to your veins.

The Bard\* PowerPort\* device is used with a Bard\* PowerLoc\* Safety Infusion Set Family needle. When used with this needle your port can receive a power injection. This will help tissue in your body show up more clearly during medical imaging. This helps your doctor monitor the status of your condition. Power-injected CECT scans are safe and non-invasive. They give important information about your disease and treatment.

## Identification

### How to Know Your Port is a Bard\* PowerPort\* Device

Your doctor or nurse gave you a packet when you received your port. This packet had a bracelet, key ring card, and identification card inside. These items let the nurse or doctor know that you have a Bard\* PowerPort\* device. You should always keep your Bard\* PowerPort\* device patient identification card with you. Show it to the nurse before your port is accessed for treatment.

You can tell the nurse you have a Bard\* PowerPort\* Device.



Key Ring Card



Identification Card

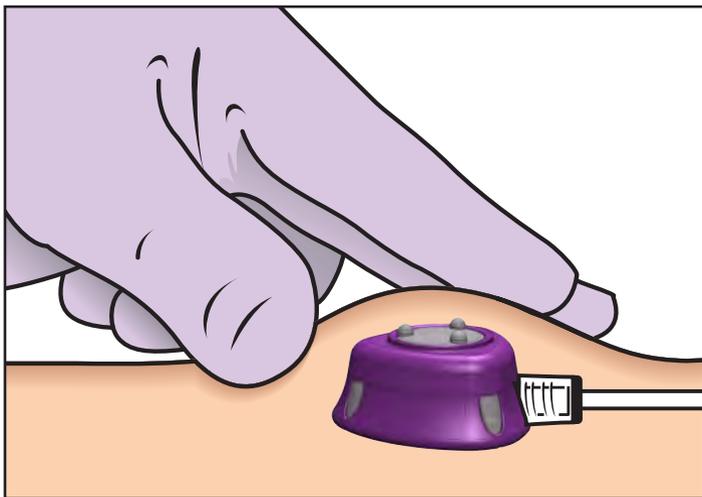


Bracelet

Your patient chart should also show that you have a Bard\* PowerPort\* device.

The port has a special triangle shape and three bumps on top of the septum. The bumps are called palpation bumps. Your doctor or nurse can feel these bumps and the triangle port shape to know that you have a Bard\* PowerPort\* device.

Ask your doctor or nurse to help you feel the shape and bumps of your port.



Feel the soft top of the port for the three bumps. Feel the sides of the port for the triangle shape.

A trained clinician can also recognize the Bard PowerPort\* device in an X-ray, due to a special symbol located on the port, only visible under x-ray.



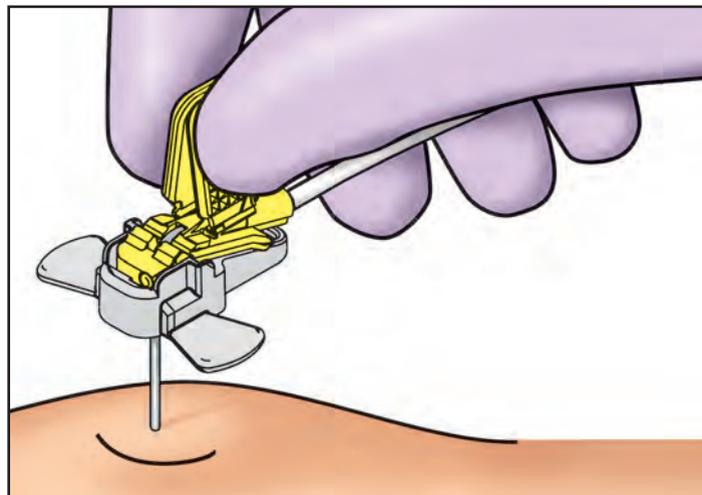
\*

Sample X-ray of PowerPort\* device

## Access

### How is Your Port Accessed?

Your doctor or nurse will use the port when they need to give medicine or fluids or withdraw blood samples. To do this, they will access the port by placing a special needle, called a Huber needle, into the port. You may feel a mild pricking when they put the needle into the port. This sensation often gets milder over time. Ask your doctor or nurse what you should expect.



## Care

### Care of Your Port

After your port is placed, your doctor will place a small bandage over the wound. For the first few days, you should avoid heavy exertion and follow any special guidance from your doctor or nurse to care for the small wound. Once the wound has healed, it will not take any special care and you can resume normal activities.

## Heparin Locks

### About Heparin Locks

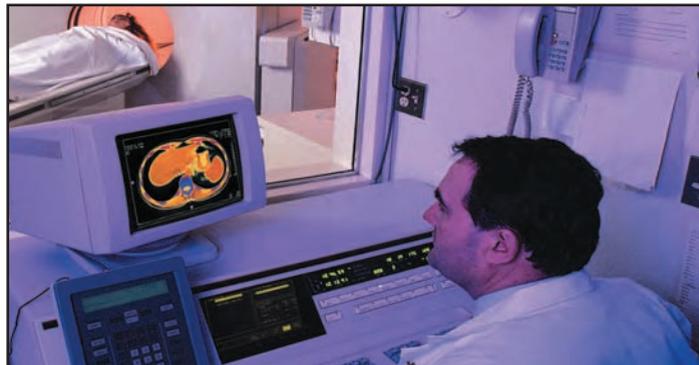
Sometimes blood can clot and block the catheter. This clot prevents medicine and fluid from flowing through it. Blood will not clot when it is thinned with a medicine called heparin. To prevent clots, ports with open-ended catheters are often filled with a sterile mixture of saline and heparin. This process is called a heparin lock. If your port will not be used for a long period of time, the doctor or nurse will usually change the heparin lock every four weeks.

If you are allergic to heparin or have Heparin Induced Thrombocytopenia (HIT), you should inform your doctor or nurse of this anytime the port is used.

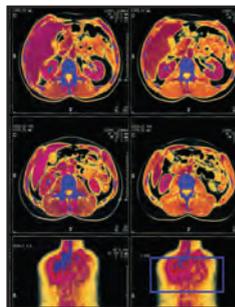
## Power Injection/CECT Scans

### About Power-Injected CECT Scans

CECT scans are simple, safe, and non-invasive procedures. These scans aid in disease diagnosis and treatment. They are more sensitive than x-rays and allow the doctor to see small differences in your soft tissue that they may not see with normal x-rays.



CECT Workstation



Contrast-Enhanced Computed Tomography (CECT) Scans

Before doing a CECT scan, the clinician will inject a special fluid through your port. This fluid makes the picture taken with the scan much clearer. For best results, the fluid, called contrast media, is infused into your blood at a high rate. This process is called power injection.

A Bard\* PowerPort\* device, when used with a special needle, allows clinicians to perform power-injected CECT scans without needing to put a needle into your arm or leg veins.

### What Your Clinician Should Know

Show your Bard PowerPort\* device patient identification card to the clinicians that do your CECT scan. This tells them that you have a PowerPort\* device.



Show your Identification card before your port is accessed for a treatment.

## Q & A

### Common Questions and Answers

#### How do I care for my port?

Limit your activity for the first few days after the port is placed. Follow instructions of your doctor or nurse for care of the small incision. Once the incision heals the port will not need special care.

#### Will the port affect my daily activities?

Once the incision heals, you should be able to return to your normal activities. Ask your doctor or nurse about specific activities and when to resume them.

#### Will I need to wear a bandage over the port?

A bandage will be needed until the incision heals. If you are receiving a treatment, a bandage may be applied to stabilize and protect the needle while it is in place.

#### Do I have to stop wearing certain types of clothing?

Ask your doctor or nurse. The answer will depend on where your port is placed.

#### Who pays for the port?

Insurance policies vary. Check with your insurance company.

#### Will the port activate security alarms?

Security systems may detect the small amount of metal in the device. If this occurs, simply show your device Patient Identification Card.

### How long will I have my port?

The port can stay in place as long as your doctor decides that you need it.

### Will my port need to be accessed when not in use?

Yes. It will need to be flushed every 4 weeks.

### Can the device be removed if I no longer need it?

Yes. The port can be removed in a simple procedure similar to the one used to place it.

### What if my nurse has not seen a patient with a Bard\* PowerPort\* device before?

Always show your nurse your patient identification card. This card gives your clinician needed information about the port. If they have more questions, they can call the Bard Access Systems' Clinical Information Hotline at 800-443-3385.

### Can I get a CT procedure with a Bard\* PowerPort\* device?

Yes. The materials used in the Bard\* PowerPort\* device are safe for use in CT and CECT procedures.

### Can I get an MRI procedure with a Port in place?

Yes. You may get an MRI with this device. There may be some specific conditions for your device. Be sure your clinician checks the MRI guidelines for the device. If they have more questions, they can call the Bard Access Systems' Clinical Information Hotline at 800-443-3385.

### What do I do if I have a question or suspect a problem?

After the procedure you will see some redness and tenderness in the area. This should go away in 24 to 48 hours. However, contact your doctor or nurse if you

notice unusual changes in the skin such as increased swelling, redness or soreness. If you have pain, fever, chills, shortness of breath, or dizziness, contact your doctor right away.

### What do I do if my doctor or nurse is unavailable?

You will be given a wallet-sized Medical Alert Identification Card. This card has important information about the port. With this information, other medical personnel will be able to help you.

## Talk to Your Clinician

As a new patient with a port, the best way to be involved is share information and concerns with your doctor or nurse. Speak up. Ask about your concerns, or if you see anything that seems odd.

### What to Report to Your Doctor or Nurse.

- You have a Bard\* PowerPort\* implanted port.
- If you notice any redness or swelling at the site of your port after the wound heals.
- If you have a fever.
- If you have allergies to any medicines or materials.
- If you have an allergy to heparin.
- If you have Heparin Induced Thrombocytopenia (HIT)
- If you have ever been given blood thinning medicines such as heparin or warfarin.
- If you have been treated with radiation before.
- If you have ever been diagnosed with lung disease.

- If you have ever been diagnosed with, or treated for blood clots in your veins (venous thrombosis).
- If you have ever been diagnosed with any tissue disease or suffered from tissue erosion.
- If you have been diagnosed with or tested for “pinch-off” syndrome.
- If other clinicians have ever had difficulty drawing blood or putting fluids through your port. Let them know if other clinicians have asked you to change position to allow blood or fluid to flow.

## Notes

## Patient Checklist

- The Bard\* PowerPort\* device is a new kind of implantable port. It provides access for IV treatments and Power-injected Contrast-Enhanced Computed Tomography (CECT) scans.
- You should get an identification card, bracelet, and key ring card when you get your Bard\* PowerPort\* device. These can let the clinician know your port is a Bard\* PowerPort\* device.
- Keep your identification card with you. You may also wear the bracelet and carry the key ring card.
- Show your identification card to the nurse when your port is accessed. This card has important information for the nurse. If they need more information, they may call the Bard Access Systems' Clinical Information Hotline at 800-443-3385.
- Speak up. Share information with clinicians. Ask about anything that concerns you or seems unusual.

## Notes