

# Xcela™ Power Injectable Ports

## Guidelines for CT Technologists

### INDICATIONS AND USAGE

The Xcela Power Injectable Port is indicated for patient therapies requiring repeated access to the vascular system. The port system can be used for infusion of medications, IV fluids, parenteral nutrition solutions, blood products and for the withdrawal of blood samples.

When used with a power injectable non-coring infusion set, the Xcela Power Injectable Port is indicated for power injection of contrast media. For power injection of contrast media, the maximum recommended infusion is 5 mL/sec with a 19 G or 20 G non-coring power injectable needle or 2 mL/sec with a 22 G non-coring power injectable needle.

### IDENTIFICATION OF AN XCELA POWER INJECTABLE PORT

**Always verify the patient has an Xcela Power Injectable Port by at least 2 means and ensure it is accessed with a non-coring power injectable infusion set.**

*Xcela Power Injectable Ports can be distinguished from traditional ports through the following means:*

- Check patient's chart for Xcela Power Injectable Port patient record sticker or notation in the patient's chart.
- Via x-ray, CT scout, fluoroscopy or chest x-ray, visualize the letters "CT" on the port.

- Request confirmation from the patient by asking them to show you the patient identification card, reminder band or key ring card that they received when the port was implanted.



### POWER INJECTION

1. After verifying the patient has an Xcela Power Injectable Port, using sterile technique access the port with a power injectable infusion set (i.e., EZ Huber™ Safety Infusion Set). Make certain that infusion set needle tip is inserted fully into the port. Secure per facility policies and procedures. **Warning: A power injectable infusion set must be used for any power injection.**  
*If a patient is received with a port already accessed, ensure the infusion set is power rated. The EZ Huber Safety Infusion Set should have a verification label affixed to the set.*
2. Attach a 10 mL or larger syringe filled with sterile normal saline.
3. Check blood return and vigorously flush the port with at least 10 mL of sterile normal saline for injection. Check for patency with the patient in the position that they will assume during the CECT procedure. **Warning: Failure to ensure patency of the catheter prior to power injection studies may result in port system failure.**
4. Clamp the infusion set prior to detaching syringe.
5. Warm contrast media to body temperature. **Warning: Failure to warm contrast media to body temperature may result in port failure.**
6. Attach the power injection device to the power injectable infusion set ensuring connection is secured. Open clamp on infusion set prior to power injection.
7. Table 1 lists the maximum flow rate pressure limits for power injection by needle gauge.
8. Inject warmed contrast, taking care not to exceed the flow rate limits.
9. Clamp the infusion set and disconnect the power injection device.
10. Flush the Xcela Power Injectable Port with 10 mL of sterile normal saline. Perform heparin lock procedure per institution's policies and procedures.

Table 1.

EZ Huber Safety Infusion Set			
Needle Size	19 gauge	20 gauge	22 gauge
Clamp Color	Brown	Yellow	Black
Maximum Flow Rate	5 mL/sec	5 mL/sec	2 mL/sec
Maximum Pressure	300 psi	300 psi	300 psi

**Warning: Do not exceed the pressure limit setting, or the maximum flow rate shown.**

### USE AND MAINTENANCE

**It is recommended that institutional policies and procedures be followed for all aspects of port care, use and maintenance.**

#### USE

- Sterile technique must be used for access, use and deaccess of the port.
- Assure tight connection between port chamber and catheter.
- Only use non-coring infusion sets to access the port septum. Do not leave the syringe open in the system.
- Do not use syringes with capacity smaller than 10 mL. In case the system is occluded, excess pressure could damage either port membrane or catheter.

- Prior to use, observe and palpate the port and port pocket to assess for signs or symptoms of port body malposition, wound closure, infection, infiltration or extravasation.
- Palpate the port and access the septum with a non-coring infusion set at a right (90°) angle.
- Prior to administration of drugs or solutions, aspirate to ensure a blood return and flush with 5-10 mL of sterile normal saline for injection. If no blood return occurs, the port must be evaluated and treated to restore patency prior to use.
- After implantation or any infusion, flush with an appropriate amount of sterile normal saline for injection and instill heparinized saline into the port reservoir and catheter prior to deaccess according to institutional policies and procedures.

#### MAINTENANCE

When not in use, the manufacturer recommends that venous port systems are flushed every four weeks, arterial port systems once a week and that the systems are locked with heparinized saline according to institutional policies and procedures.

#### DUAL LUMEN PORTS

For dual lumen ports, follow these instructions for both port lumens.

Distributed by in the U.S.A.  
Manufactured for (Canada)



Navilyst Medical, Inc.  
26 Forest Street  
Marlborough, MA 01752  
www.navilystmedical.com

For more information, call  
**800.833.9973** in the United States  
**800.268.0184** in Canada

© 2011 Navilyst Medical, Inc., or its affiliates.  
All rights reserved.

NAVM190NA / 2.5M / 09/11

XCELA POWER INJECTABLE PORTS



EZ Huber is a trademark and/or registered trademark of C.R. Bard, Inc.  
Xcela and Navilyst Medical are trademarks and/or registered trademarks of Navilyst Medical, Inc.

XCELA POWER INJECTABLE PORTS

**CONTRAINDICATIONS:** This device is not designed, sold or intended for use except as indicated. The port system must not be used in case of inadequate body tissue to support the device; bacteraemia; sepsis; known or suspected allergic response to the materials; severe chronic obstructive lung disease exists; past irradiation of prospective insertion site; previous episodes of venous thrombosis or vascular surgical procedures at the prospective placement site; local tissue factors will prevent proper device stabilization and/or access.

EZ HUBER SAFETY INFUSION SET

**INTENDED USE/INDICATIONS FOR USE:** The EZ Huber Safety Infusion Set is a device used to administer fluids from a container to a patient's vascular system through an implanted port. The EZ Huber Safety Infusion Set incorporates an active safety feature that aids in the prevention of accidental needle sticks. The EZ Huber Safety Infusion Set is a safety needle designed with an anti-coring needle tip configuration. The primary use for the Huber needles is to deliver solutions to implanted ports. The safety feature is designed to protect the practitioner from accidental needle sticks. The EZ Huber Safety Infusion Set is compatible with power injection procedures up to 300 psi.

**CONTRAINDICATIONS:** None known.

Refer to package insert provided with the products for complete Instructions for Use, Contraindications, Possible Complications, Warnings and Precautions prior to using these products.

**CAUTION:** Federal Law (USA) restricts this device to sale by or on the order of a physician.