

PleurX™ Pleural and PeritX™ Peritoneal Catheter Systems Drainage Guidelines

Nurse Training Guide



System Overview

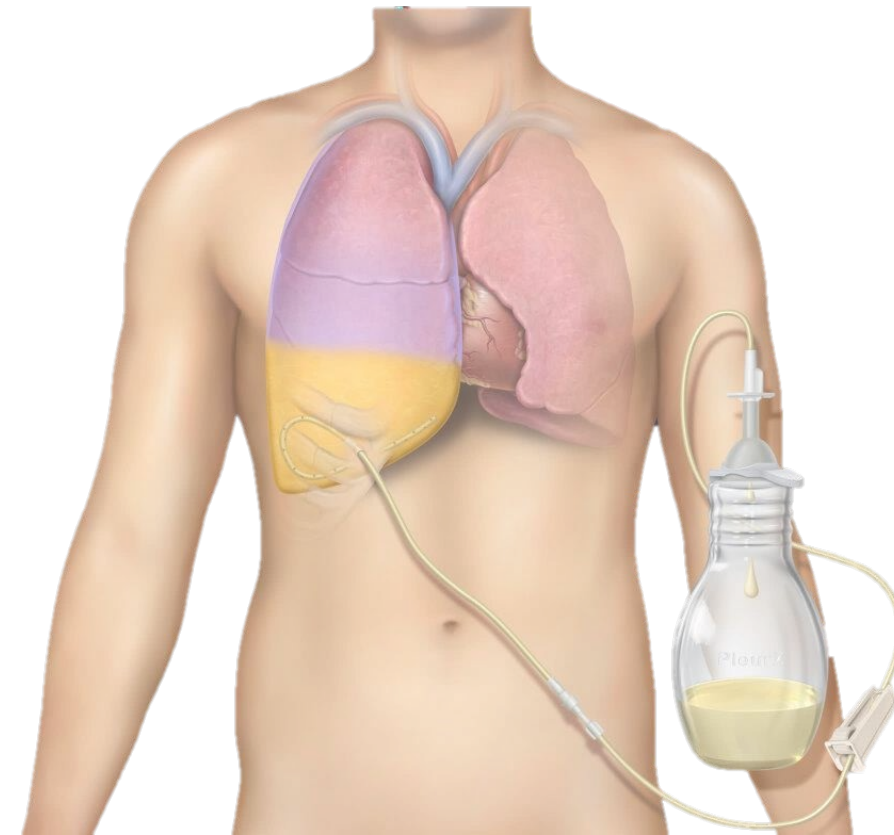
Why choose the PleurX™ Pleural and PeritX™ Peritoneal Catheter Systems for your patients?

Proven solution

- More than 300,000 patients treated since 1997.
- More than 50 articles on PleurX™/PeritX™ published in peer-reviewed journals.
- Indicated for providing pleurodesis.*
- Retrospective study of 503 patients with a shortened PleurX™ Low Profile Catheter used for drainage of MPE showed infection and occlusion rates <1% ¹.
- Unique valve designed to prevent the passage of air or fluid in either direction unless accessed by a PleurX™ drainage line.
- Active vacuum technology.
- Compatible with talc and bleomycin.

Clinical and Patient focus

- Study showed acceptance of the PleurX™ catheter was extremely high among malignant pleural effusion patients².
- Training materials and PleurX™ App developed to support patients, caregivers, and nurses with instructions and to track volume drained.
- Patient assistance program available for patients who may need help paying for supplies and who meet eligibility criteria.
- Starter kit with patient education materials, instructions and drainage supplies to ensure patients go home with everything they need to drain.
- Dedicated Patient Navigators for the PleurX™ and PeritX™ Catheter systems partner with patients, clinicians, and insurance providers to assist in providing patients a smooth transition home.
- Exclusive partnership with Edgepark to facilitate at-home supply ordering.



Note: see slide 19 for the full indication.

PleurX™ and PeritX™ Services provided from placement to home

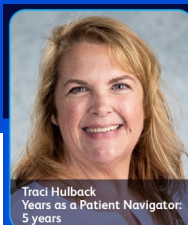
Selection and Placement

- Pleural Effusion and Ascites Management Program
 - Assist IPC providers in standardizing protocols
- PleurX™ Patient Starter Kits
 - Immediate patient access to initial at-home supplies
 - Educational materials and contact information for ordering and support
- Resources and Clinical Evidence
 - Resources for placement, management and education available via the website, and other platforms
 - The PleurX™ Catheter System has been studied in > 50 peer-reviewed journal articles



Education and Discharge

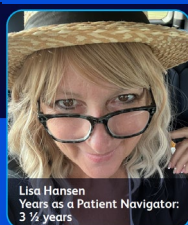
- Supply and Patient Navigators
 - Only provider to partner with Edgepark who services 1,400 health plans
 - Patient Navigators – assist patients, clinicians and insurance providers
 - Patient Assistance Program
- Training
 - In-service product training by BD representatives



Traci Hulback
Years as a Patient Navigator:
5 years



Kathy Ziegenhorn
Years as a Patient Navigator:
4 years



Lisa Hansen
Years as a Patient Navigator:
3 1/2 years

Home Management

- Videos and Educational Materials
 - Instructional videos
 - PleurX™ Patient Training Kit
 - Patient and caregiver testimonials
 - Patient Discharge Folders: Directions for Use, posters, brochures, FAQs, PleurX™ App
- PleurX™ App
 - Patient mobile access to educational materials
 - Electronic drainage logs, which a patient can print or email to their physician



PleurX™ and PeritX™

Catheters

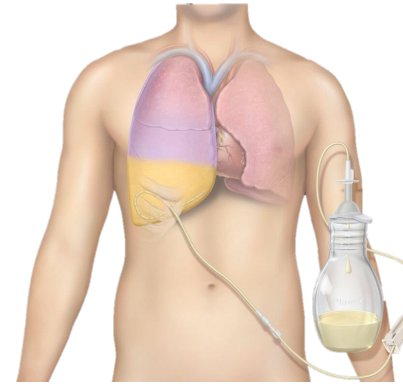
Code	Description	Qty
50-7000B	PleurX™ Pleural Catheter System Tray	1
50-7700	PleurX™ Pleural Catheter System Tray and Starter Kit	1
50-9000C	PeritX™ Peritoneal Catheter System Tray	1
50-9900C	PeritX™ Peritoneal Catheter System Tray and Starter Kit	1

Drainage*

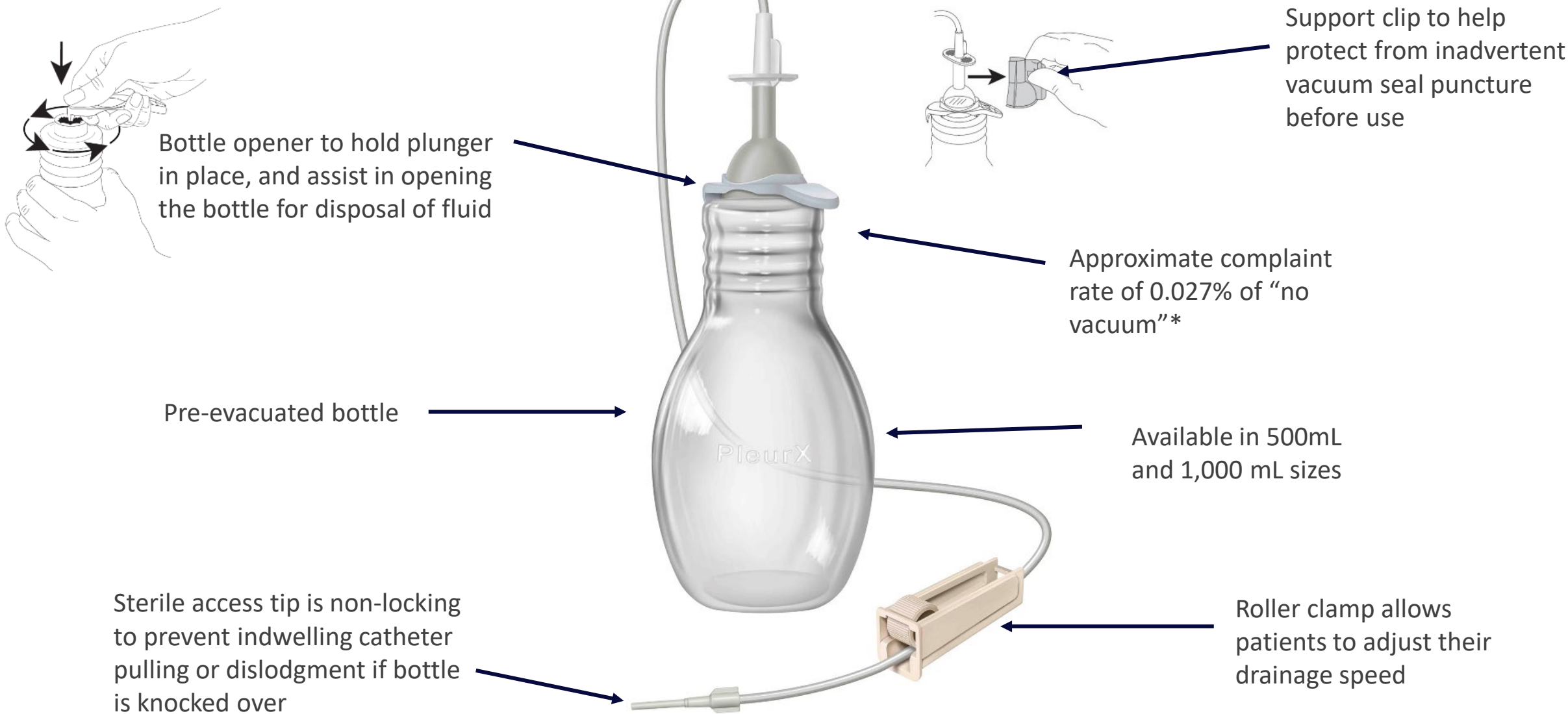
50-7500B	PleurX™ Drainage Kit with 500 mL vacuum bottle	10
50-7510	PleurX™ Drainage Kit with 1,000 mL vacuum bottle	10
50-0071	PleurX™ Starter Kit with four 1,000 mL drainage kits	1
50-7210	PleurX™ Vacuum Bottle 500 mL (bottle only)	10
50-7205B	PleurX™ Vacuum Bottle 1,000 mL (bottle only)	10

Accessories

50-7270 / 50-7272	PleurX™ / PeritX™ Emergency Valve Replacement Kit	5
50-7245A	Lockable Drainage Line	10
50-7265A	Lockable Drainage Line Kit	5
50-7235A	Replacement Valve Cap	10
50-7262	PleurX™ Supplemental Insertion Kit	5
59-7280A	Catheter Access Kit	5
50-7290A	Procedure Pack	5



PleurX™ Bottle Features



Drainage Guidelines

PleurX™ Pleural Catheter System
PeritX™ Peritoneal Catheter System

These drainage instructions are not intended as a replacement for the full drainage instructions for use. Please consult the Drainage Procedure Instructions for Use for indications, warnings, cautions and full drainage procedure instructions. You may also watch our instructional drainage video at bd.com/drainage.

Getting started

Have all drainage supplies ready, then thoroughly wash your hands



- 1 Open all packaging. Unfold blue wrapping. Place bottle near wrapping and lay access tip on blue wrapping.



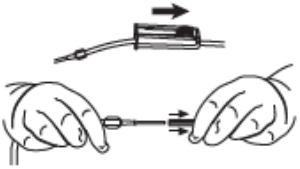
- 2 Pick each glove up by the wrist cuff and put them on.



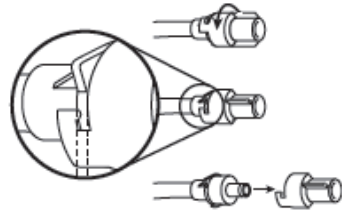
- 3 Tear open alcohol pad pouches. Place the open alcohol pad pouches on blue wrapping a short distance from sterile items.

Connecting the drainage bottle

Be sure to keep the end of the catheter and access tip clean.



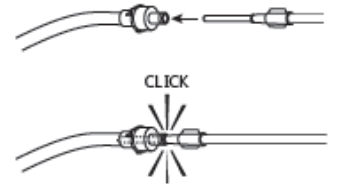
- 4** Close roller clamp completely by rolling the wheel on roller clamp toward bottle. Remove access tip cover by twisting and gently pulling. Place access tip on blue wrapping.



- 5** Take valve cap off catheter.



- 6** Clean around valve opening with first alcohol pad.



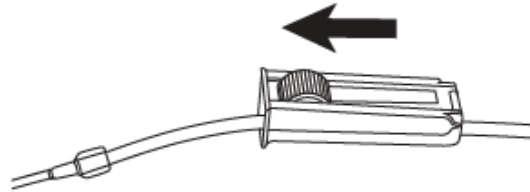
- 7** Insert the access tip into catheter valve until it clicks.

Draining fluid

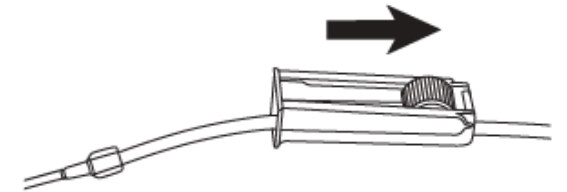
Do not drain more than 1,000 mL from your chest or 2,000 mL from your abdomen at any one time.



- 8** Remove support clip from top of drainage bottle and push down T plunger.



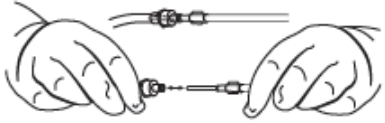
- 9** To begin draining, roll the wheel on the roller clamp away from vacuum bottle.



- 10** When finished draining, completely close the roller clamp by rolling the wheel toward the bottle.

Final steps and disposal

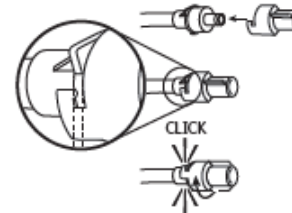
If you have any questions or concerns, contact your doctor or nurse.



- 11** Pull access tip out of the valve and put the drainage line down.



- 12** Clean around the valve opening with second alcohol pad.



- 13** Place new cap on catheter valve and twist it until it clicks into its locked position.



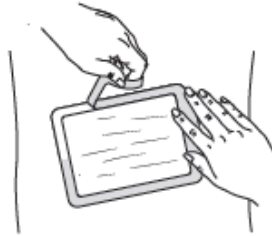
- 14** Clean around catheter site with third alcohol pad.

Final steps and disposal

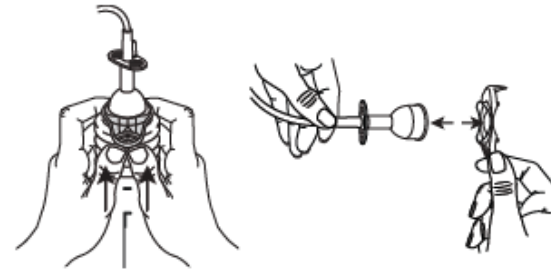
If you have any questions or concerns, contact your doctor or nurse.



- 15** Place foam catheter pad around catheter and wind catheter on top of pad. Cover catheter with gauze pads.



- 16** Remove gloves from both hands. Apply self-adhesive dressing over pads.



- 17** Remove the bottle opener and cap from the bottle.
- 18** Remove the bottle opener from the drainage line and use the bottle opener to enlarge the hole in the foil seal.



- 19** Empty bottle into toilet. Place bottle in a plastic bag, seal tightly and discard.

Drainage video

BD-20799



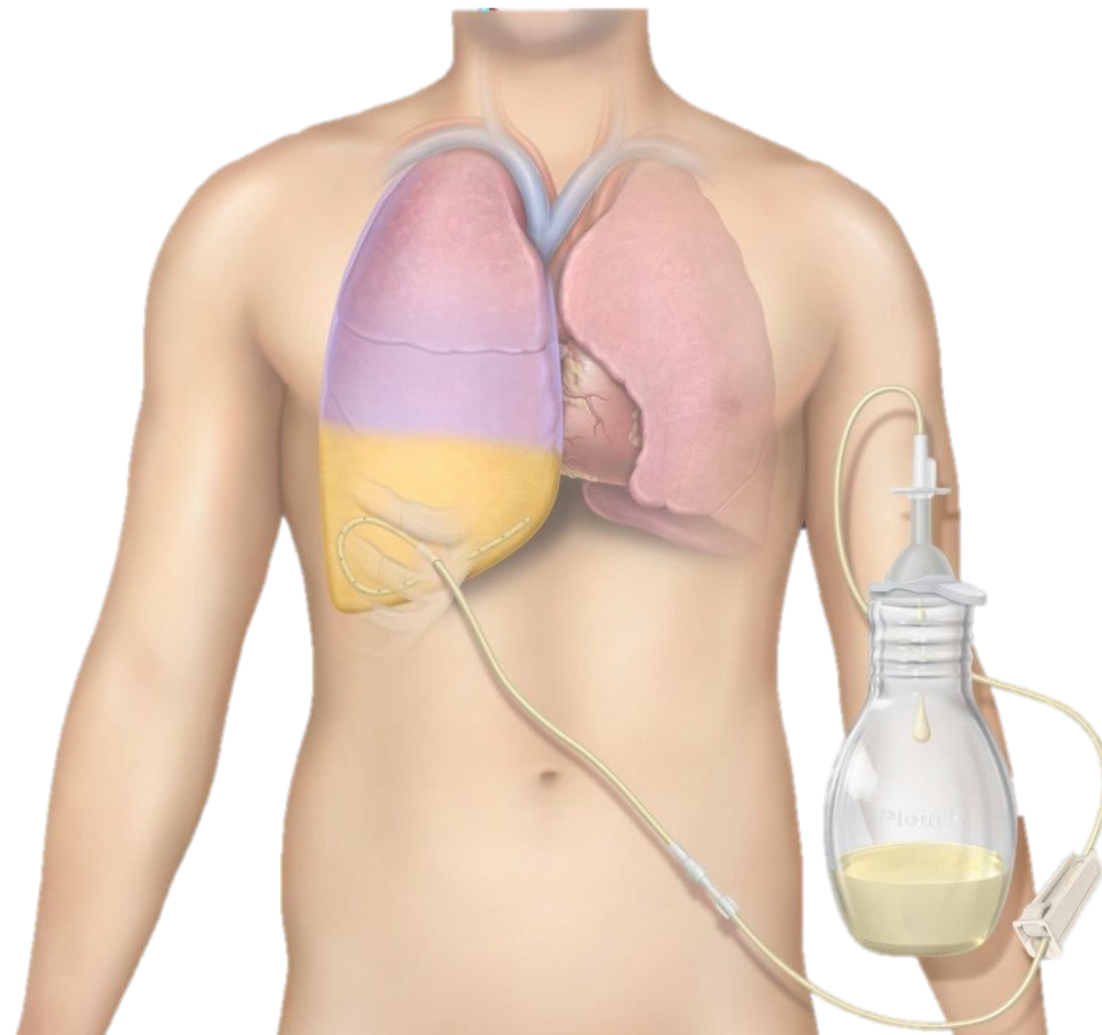
<https://www.youtube.com/watch?v=VMr11BXbip4>

Appendix

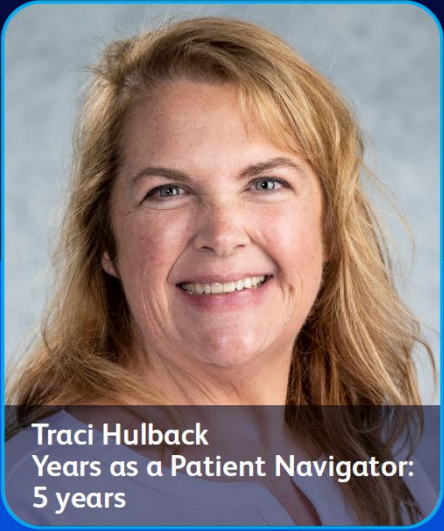
Proven solution with Clinical and Patient Focus

- More than 300,000 patients treated since 1997
- More than 50 articles on PleurX™/PeritX™ published in peer-reviewed journals
- Indicated for providing pleurodesis*
- Retrospective study of 503 patients with a shortened PleurX™ Low Profile Catheter used for drainage of MPE showed infection and occlusion rates <1%¹
- Unique valve designed to prevent the passage of air or fluid in either direction unless accessed by a PleurX™ drainage line
- Active vacuum technology
- Compatible with talc and bleomycin
- Study showed acceptance of the PleurX™ catheter was extremely high among malignant pleural effusion patients²

Note: see slide 19 for the full indication.



PleurX™ / PeritX™ Patient Navigators



Traci Hulback
Years as a Patient Navigator:
5 years



The Patient Navigators for the PleurX™ and PeritX™ Catheter system partner with patients, clinicians and insurance providers to assist in providing patients a smooth transition home.

"It's a privilege to make one thing a bit easier for patients when they need it most."

- Advocate for the patient!
- Research insurance companies
- Find DME providers
- Help patients and clinicians get the right DME provider
- Help patients and clinicians understand benefits
- Uncover resources that might help families with copays and other needs
- Educate on the Patient Assistance Program
- Build strong relationships with customers

Contact the Patient Navigators:

Phone: 833-549-7677

Fax: 312-949-0366

Email: GMB-PLEURXTPNAV-US@BD.COM

BD is committed to ensuring that patients with recurrent pleural effusions, malignant ascites or non-malignant ascites who are prescribed a PleurX™/PeritX™ Catheter System have affordable access to the product.

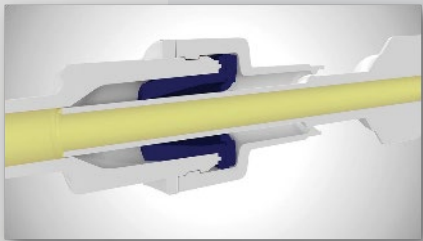
The PleurX™/PeritX™ patient assistance program is administered in-house and drainage supplies are provided by a third-party DME provider.

PleurX™ / PeritX™ Patient Assistance Program



PleurX™ and PeritX™ Catheter Features

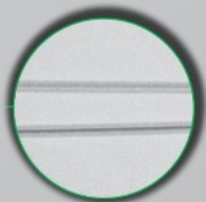
Unique valve



Polyester cuff to help secure the catheter in place; may promote tissue in-growth

15.5F Silicone catheter

Radiopaque barium stripe for visibility under fluoroscopy



Retrospective study of 503 patients with a shortened PleurX™ Low Profile catheter used for drainage of MPE showed infection and occlusion rates <1% ¹

Physician ability to shorten the fenestrated portion of the catheter according to patient anatomy



Replacement valve available (in case of valve damage or physician need to shorten catheter)

Beveled fenestrations for drainage

Indications:

PleurX™ Catheter System

The PleurX™ Pleural Catheter System is indicated for intermittent, long term drainage of symptomatic, recurrent, pleural effusion, including **malignant pleural effusion** and **other recurrent effusions** that do not respond to medical management of the underlying disease. The devices are indicated for the **palliation of dyspnea due to pleural effusion** and **providing pleurodesis** (resolution of the pleural effusion). The PleurX™ Pleural Catheter is indicated for adults only.

The Lockable Drainage Line is used to drain fluid using standard wall suction, water seal drainage system, vacuum bottle, or other appropriate method.

Catheter Access Kit

The Catheter Access Kit is intended to provide access to the PleurX™ Catheter to **inject and withdraw fluids**.

The Catheter Access Kit is intended to provide access to the PeritX™ Catheter for **aspiration and catheter maintenance**

Product Description:

The Catheter Access Kit is designed to be used exclusively with the PleurX™ Catheter or PeritX™ Catheter. It is intended to provide intermittent access to the PleurX™ Catheter or PeritX™ Catheter to **aspirate a sample, administer sclerosing agents (pleural use only), or perform catheter maintenance** (saline flushing, or dec clotting).

PeritX™ Catheter System

The PeritX™ Peritoneal Catheter System is indicated for intermittent, long term drainage of symptomatic, **recurrent, malignant and non-malignant ascites** that does not respond to medical management of the underlying disease and for the **palliation of symptoms related to recurrent ascites**. The use of the PeritX™ Peritoneal Catheter for non-malignant ascites is limited to patients who are intolerant or resistant to maximum medical therapy, refractory to large volume paracentesis (LVP) and are not candidates for a trans-jugular intrahepatic portosystemic shunt or LVP. The PeritX™ Peritoneal Catheter is indicated for adults only.

The Lockable Drainage Line is used to drain fluid using standard wall suction, water seal drainage system, vacuum bottle, or other appropriate method.

Warnings:

Warnings: Do not put anything except the access tip of the Lockable Drainage Line, Catheter Access Kit, or PleurX™ Vacuum Bottles into the catheter valve since any other device could damage the valve. A damaged valve may allow air into the body or let fluid leak out through the valve when not draining.

Drainage*		Quantity
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50-0071	PleurX™ Starter Kit with four 1,000 mL drainage kits	1
50-7210	PleurX™ Vacuum Bottle 500 mL (bottle only)	10
50-7205B	PleurX™ Vacuum Bottle 1,000 mL (bottle only)	10

Extensive clinician and patient friendly educational materials

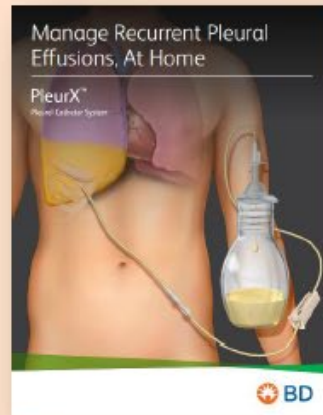
Resources for Clinicians

Literature

- PleurX™/PeritX™ catalogs
- Prescription Form
- Implementation Tips

Videos

- Peritoneal catheter placement
- Pleural catheter placement



Resources for Patients and Caregivers

Literature

- Patient Education Folder
 - Instructional poster
 - Educational brochure
 - FAQs
 - Drainage log
 - Drainage training kit



PleurX™ App

- Training materials
- Drainage log



Videos

- How to drain fluid

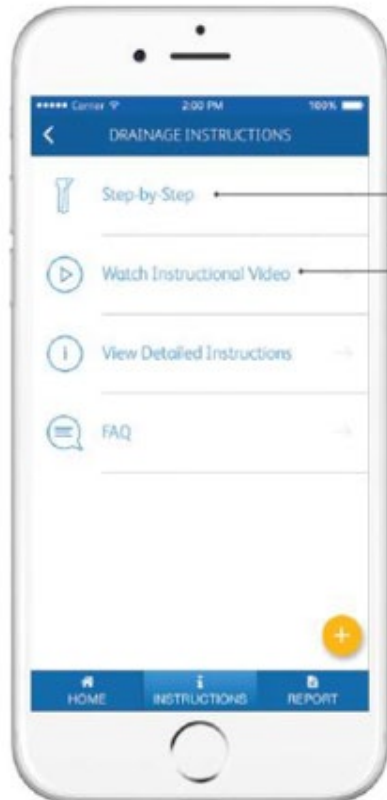


PleurX™ App

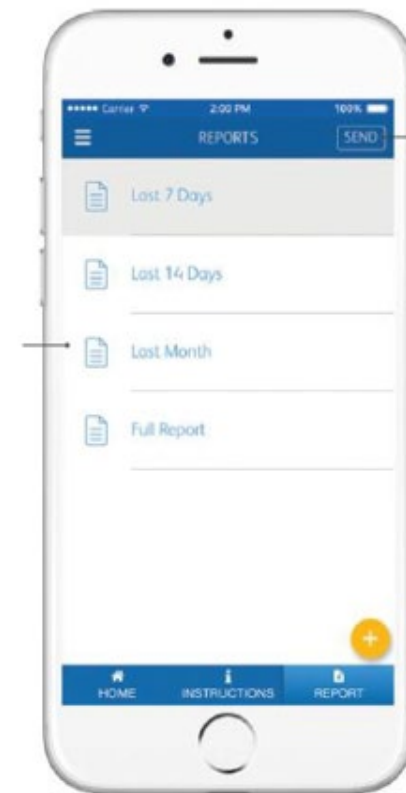
Log Drainage Volume



Resources & Tutorials



Drainage History Report



Download the app for a demo. Register using your Medline email.



Scan the code to download the app.
Available in the Google Play Store
and the Apple App Store.





Thank you



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