ARROW DIAGNOSTIC AND DRAINAGE PRODUCTS

More options for easier, less traumatic procedures
TELEFLEX’S ARROW DIAGNOSTIC AND DRAINAGE PRODUCTS
MORE OPTIONS FOR EASIER, LESS TRAUMATIC PROCEDURES

Trusted brands make Teleflex a reliable and strong partner. Built on a solid tradition of innovation, Teleflex is a global leader in superior medical supplies designed to help providers minimise risk and maximise outcomes for their patients. Our understanding of the importance to our customers of a full range of products has led to the development of a unique line of medical devices, all of which complement one another.

Our ARROW diagnostic and drainage product kits save time when it matters most, and help minimise trauma to the patient. In trauma situations, you need fast, effective solutions at your fingertips. ARROW diagnostic and drainage products enable you to perform a variety of procedures easily and efficiently. Each product kit is designed to save you critical seconds, helping to reduce risk and improve patient outcomes.

You will find our diagnostic and drainage products incorporate many of the unique features you have come to expect from the leader in critical care catheter technology. Kink-resistant catheters featuring polyurethane construction and easy-to-read, precise calibrations are standard on many products. Cath-Gard® and Blue FlexTip® technologies are other innovations that enhance these products.

Contact your Sales Representative for more information on any of the diagnostic and drainage products featured in this brochure.

TELEFLEX – HIGH QUALITY MEDICAL SUPPLIES FROM A SINGLE SOURCE
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PNEUMOTHORAX SET
FOR PERCUTANEOUS ASPIRATION OF SIMPLE OR SPONTANEOUS PNEUMOTHORAX

ARROW OFFERS A SIMPLER, LESS TRAUMATIC WAY OF TREATING SIMPLE OR SPONTANEOUS PNEUMOTHORAX

With the ARROW pneumothorax kit, you have a percutaneous method of treating pneumothorax and restoring proper lung function, rather than the traditional trocar chest-tube method.

This kit contains an 8 Fr. polyurethane catheter-over-needle device and syringe. The catheter is inserted percutaneously in a procedure that is both easy to learn and easy to perform. By indicating their position relative to the skin, the depth marker on the catheter helps you to position the air aspiration holes properly.

The benefits of the less traumatic percutaneous placement are complemented by the excellent indwelling characteristics of the kink-resistant polyurethane catheter material. It softens in situ, so the device can remain in place until air removal is complete.

REDUCES COST, MINIMISES PATIENT TRAUMA

Another significant benefit in today’s health care climate is the reduced cost compared to the more invasive trocar procedure. Furthermore, the small size of the pneumothorax catheter means there is less patient discomfort when treating simple pneumothorax.

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<th>REF.</th>
<th>PRODUCT DESCRIPTION</th>
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| AI-01500-E | Each pneumothorax set contains:  
1 8 Fr. x 6.44 polyurethane catheter over 18G needle and 5cc syringe  
1 Heimlich valve  
1 latex extension tube  
1 tubing with Luer-Lock hub and adaptor  
1 disposable #11 blade scalpel  
1 one-way stopcock  
1 catheter clamp with fastener | 1   |
SET COMPONENTS:

ASSEMBLED SET

HEIMLICH VALVE
• one-way valve allows air to exit from pleura (but prevents air from entering)

PEEL-AWAY® CATHETER GUARD
• helps reduce contamination risk during placement

MULTIPLE ORIFICES
• allow for fast removal of air out of pleural cavity

SUTURE WING

DEPTH MARKER
• indicating aspiration orifices are distal to this point

MADE OF SOFT POLYURETHANE
• kink-resistant, softens in situ and can remain in place until air is removed

CONNECTION TUBE
• safe connection between Heimlich Valve and extension tube

2 WAY STOPCOCK

Pneumothorax set 5
The Arrow-Clarke thoracentesis catheter offers protection from air aspiration during needle withdrawal, and excellent fluid removal.

THE FIRST CATHETER DESIGNED ESPECIALLY FOR THORACENTESIS
The Arrow-Clarke thoracentesis device is the first catheter that was designed especially for thoracentesis.¹ It’s an easy-to-use catheter-over-needle that offers you a choice of two convenient ways to evacuate fluid.

CLOSED-CIRCUIT LIQUID REMOVAL WITH TWO FLUID OPTIONS
Fluid removal is superior to single-orificed catheters, since the Arrow-Clarke 8 Fr. multi-orificed catheter speeds removal of even viscous pleural fluids or blood. You have two choices: a high pressure tubing set with roller clamp and needle for use with a vacuum bottle (not included), or a unique syringe pump system and drainage bag (not included).

The unique features of the syringe pump system permit aspirating, making it a safer thoracentesis procedure than is possible using other techniques.

SELF-SEALING PLEURA-SEAL VALVE FOR RELIABLE OCCLUSION
To help minimise the possibility of needle/catheter-induced pneumothorax, the Arrow-Clarke thoracentesis device incorporates the unique Pleura-Seal valve.

It features a self-sealing valve that closes upon needle removal. This reduces the risk of pneumothorax that is associated with open catheters and a reliance on thumb or finger occlusion.

ARROW’S POLYURETHANE MATERIAL AND OTHER BENEFITS
The Arrow-Clarke thoracentesis catheter is made of Arrow’s polyurethane material with its proven advantages to the patient. A side port also allows the infusion of chemotherapeutic or sclerosing agents.

SET COMPONENTS:

3-WAY STOPCOCK
• close when exchanging the vacuum bottle for safety

PEEL-AWAY® CATHETER GUARD
• helps reduce contamination risk during placement

PLEURA-SEAL VALVE
• self sealing valve closes instantly upon needle removal (no re-entry possible)

HYDROPHILIC COATING
• allows for smoother insertion

DEPTH MARKER
• indicating multiple aspiration orifices are distal to this point

18 G RW NEEDLE
• fits vacuum bottle

ROLLER CLAMP
• for controlled suction

ARROW-CLARKE THORACENTESIS SET

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<th>REF.</th>
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| CS-01000 | Each Arrow-Clarke thoracentesis set contains:  
1 polyurethane centesis device, including 8Fr. x 5" catheter over 18G needle with 3-way stopcock, self-sealing valve and 5cc syringe  
1 5cc syringe  
1 disposable scalpel (#11 blade)  
1 tubing set with roller clamp and 18G needle (vacuum bottle not included) | 1   |
ARROW PERCUTANEOUS CAVITY DRAINAGE CATHETERISATION SET
OFFERS AN EXCLUSIVE BLUE FLEXTIP AND UNIQUE INTERNAL TIP DESIGN TO IMPROVE PLACEMENT

With the 14 Fr. ARROW percutaneous cavity drainage catheterisation set, you can use the Seldinger technique to place the catheter for drainage. With its Blue FlexTip and unique internal tip design, this polyurethane catheter helps make placement easier.

LARGER TAPERED CONNECTING HUB
Allows you to hook up to most "universal" drainage extension line connectors.

SIDE ARM WITH FLOW CONTROL CLAMP
Provides flow control for infusions, such as sclerosing agents into the chest cavity after drainage is completed in the treatment of malignant pleural effusions.

ARROW BLUE FLEXTIP EASES PLACEMENT AND REDUCES COMPLICATION RISK
ARROW Blue FlexTip drainage catheters feature a unique internal tip design to help make insertion easier. The tip design permits you to use the metal insertion cannula to push the catheter through resistant tissue and to apply the insertion force at the tip, where you need it most.

The Blue FlexTip, featured in many other ARROW catheters, is notably softer and more pliant. Should it come into contact with surrounding tissue or vessel walls, it can deflect while maintaining patency.

In addition, we offer you a choice of straight and curved catheters, depending on the anatomy involved. To further aid placement all components, including the catheter, have centimeter markings and the catheter body is radiopaque for easier visualisation.

ENGINEERED FOR HIGH DRAINAGE CAPACITY
ARROW’s polyurethane is stronger than silicone, which means the catheter walls can be thinner. The catheter’s internal diameter and drainage capacity are therefore higher than catheters made of silicone.

SELDINGER MADE SIMPLER WITH THE ARROW RAULERSON SYRINGE SYSTEM
The ease of placement of the percutaneous cavity drainage catheterisation sets is the consequence of using the ARROW Raulerson syringe to place the spring-wire guide. By using the Raulerson syringe, Arrow Advancer™, and cm-marked spring-wire guide included in the kit, the wire guide can be inserted directly into the unique hollow plunger/barrel, through the introducer needle, and into the cavity. It’s simpler and faster for the physician, and can be less traumatic for patients. And the Raulerson syringe also serves as a fluid container to help protect the clinician from exposure to body fluids.
SET COMPONENTS:

- **SEALING PLUG**
  - allows for high capacity cavity drainage

- **SIDE-ARM WITH CLAMP**
  - allows for irrigation

- **FIXATION WINGS**
  - designed to prevent the catheter to be aspirated against a cavity wall

- **LARGE MULTIPLE ORIFICES**
  - allow for high capacity cavity drainage

- **BLACK DEPTH MARKERS**
  - centimeter markings for easy positioning

- **CURVED SHAPE**
  - designed to prevent the catheter to be aspirated against a cavity wall

- **BLUEFLEX TIP**
  - allowing for atraumatic insertion

- **SPRINGWIRE-GUIDE WITH ADVANCER**
  - designed to meet different suction depths

- **DILATOR WITH BLACK DEPTH MARKERS**
  - cm graduation is identical to cm graduation on catheter

- **STEEL CANNULA WITH INNER DILATOR**
  - supporting Blue FlexTip

**PERCUTANEOUS CAVITY DRAINAGE CATHETERISATION SET**

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| AI-01600 | Each percutaneous cavity drainage catheterisation kit contains:  
1 drainage catheter with Blue FlexTip®, curved: 14Fr. x 9" (23cm) radiopaque polyurethane with integral extension line, extension line clamp, side holes, integral suture wing  
1 spring-wire guide, marked: .035" (.89 mm) dia. x 26½" (68 cm)(straight soft tip on one end – “J” tip on other) with Arrow Advance™  
1 introducer needle: 18G x 2½" (6.35 cm) XTW  
1 introducer needle: 18G x 6½" (16.5 cm) TW  
1 straightening needle: 11G x 10½" (26.7 cm)  
1 Arrow® Raulerson spring-wire introduction syringe: 5cc  
1 tissue dilator  
1 CSR wrap  
1 scalpel: #11 | 1   |
ARROW BALLOON CHOLANGIOGRAPHY CATHETERISATION SETS
WITH THE ARROW-KARLAN™ BALLOON CHOLANGIOGRAPHY CATHETER

CHOLANGIOGRAPHY DURING LAPAROSCOPIC CHOLECYSTECTOMY PROCEDURES CAN BE FAST AND SIMPLE
Teleflex’s ARROW brand, the leader in balloon cholangiography catheterisation, offers balloon cholangiography catheterisation sets that facilitate easy and reliable catheter placement and save time when performing cholangiograms.

Cholangiography during laparoscopic cholecystectomy procedures is strongly recommended as a means of visualising the biliary anatomy, as well as ruling out choledocholithiasis and identifying any anomalies in the common and cystic ducts. An editorial by Dr. Kenneth A. Kern in the American Journal of Surgery goes further still, suggesting that cholangiograms should be performed as a matter of routine to reduce the risk of litigation.

The mechanics of introducing a catheter into the cystic duct have made cholangiograms difficult to perform during laparoscopic procedures. That’s different now. Our cholangiography catheterisation sets make the process so fast and simple that you’ll never again even consider bypassing this important step.

A CHOICE OF INSERTION TECHNIQUES, ONLY FROM ARROW
We offer two procedurally complete balloon cholangiography catheterisation sets to suit your preferred technique:

The introducer set (CS-01700) includes a 5 mm metal cannula, an adjustable curved-tipped guiding catheter, and a 4 Fr. x 60 cm balloon cholangiography catheter, all for placement through an existing abdominal port. The angle of the rigid guiding catheter can be adjusted, allowing easy catheter placement into the cystic duct opening. A .018” dia. x 85 cm spring-wire guide is available, packaged separately (AW-01700) to facilitate insertion. The guiding catheter has a self-sealing valve to prevent the loss of gas during trocar removal and maintains a slight curve for easier placement.

The percutaneous set (CS-01701), which can be inserted directly through the abdomen, includes a guiding catheter over trocar, and a 4 Fr. x 60 cm balloon cholangiography catheter for insertion wherever desired. A .018” dia. x 85 cm spring-wire guide is packaged separately (AW-01700) to facilitate insertion. The guiding catheter has a self-sealing valve to prevent the loss of gas during trocar removal and maintains a slight curve for easier placement.
By sealing the cystic duct and preventing backup of the contrast medium, the balloon eliminates the need to clamp the catheter. It also holds the catheter in place. To help define catheter position in the cystic duct, both catheters feature a 2 mm-wide band proximal to the balloon.

The catheters are also non-radiopaque to ease visualisation. And, when reinforced by the spring-wire guide, they have the degree of firmness needed for easier insertion into the cystic duct.

By using Teleflex’s ARROW brand balloon cholangiography catheterisation sets, this procedure can be performed efficiently, and every surgeon can enjoy the diagnostic benefits of cholangiograms. For further information, contact your local Sales Representative.

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### BALLOON CHOLANGIOGRAPHY CATHETERISATION SET

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<th>REF.</th>
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<tr>
<td>CS-01700</td>
<td>Each balloon cholangiography catheterisation set contains:</td>
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<tr>
<td></td>
<td>1 4Fr. x 60cm Arrow-Karlan balloon catheter</td>
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<tr>
<td></td>
<td>1 5mm introducer cannula with curved guide catheter assembly</td>
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<td></td>
<td>1 1½cc syringe</td>
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<tr>
<td></td>
<td>1 3-way stopcock</td>
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<td>1 CSR wrap</td>
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### BALLOON CHOLANGIOGRAPHY CATHETERISATION SET

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<th>REF.</th>
<th>PRODUCT DESCRIPTION</th>
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<tbody>
<tr>
<td>CS-01701</td>
<td>Each balloon cholangiography catheterisation set contains:</td>
</tr>
<tr>
<td></td>
<td>1 curved guide catheter over trocar assembly</td>
</tr>
<tr>
<td></td>
<td>1 4Fr. x 60cm Arrow-Karlan balloon catheter</td>
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<tr>
<td></td>
<td>1 1½cc syringe</td>
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<td></td>
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| QTY | 1 |
Teleflex is a leading global provider of specialty medical devices used for diagnostic and therapeutic procedures in critical care, urology and surgery. Our mission is to provide solutions that enable healthcare providers to improve outcomes and enhance patient and provider safety.

We specialise in devices for general and regional anaesthesia, cardiac care, respiratory care, urology, vascular access and surgery and we serve healthcare providers in more than 150 countries. Teleflex also provides specialty products for medical device manufacturers.

Our well known brands include ARROW®, DEKNATEL®, GIBECK®, HUDSON RCI®, KMEDIC®, LMA™, PILLING®, PLEUR-EVAC®, RÜSCH®, SHERIDAN®, TAUT®, TFX OEM®, VASONOVA™, VIDACARE® and WECK®, all of which are trademarks or registered trademarks of Teleflex Incorporated.

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