

# ACES<sup>®</sup>

## Automatic Continuous Effusion Shunt

The **ACES Automatic Continuous Effusion Shunt** is designed to eliminate recurrent pleural effusions. Implanted under the skin between the ribs, ACES reduces infection risk and healthcare costs associated with the management of pleural effusions with a simple, minimally invasive procedure. Most importantly, ACES provides continuous breathing relief, improved comfort and freedom for patients to travel, swim and more.

The ACES device uses the motion of normal breathing to automatically and continuously move effusion fluid from the pleural 'lung' space to the peritoneal 'abdomen' space where it is naturally reabsorbed by the body. With ACES, there is no need for pleurodesis and no need for an external drainage port.



An optional ACES Accessory Kit containing accessories to facilitate the implantation of the ACES device can also be purchased separately.

### The ACES Accessory Kit contains the following components:

1. Access Catheter Needle 19G x 10cm (2 total)
2. 10ml Syringe
3. J-tip Guidewire, 0.035" x 80 cm (2 total)
4. Peel-Away Introducer, 16 Fr x 7" (2 total)
5. Tunneler (6")
6. Tunneler (15")
7. Drainage Catheter Assembly
8. 5 in 1 "xmas tree" adapter
9. Insertion Stylet
10. Micro-Introducer Kit (purchased as assembly)
11. ACES Dilator



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## ORDER INFORMATION

Order SKU	Description	Quantity	Manufacturer Part #
AS16-7-1	ACES Shunt (ea)	1	01100
AS16-7-5	ACES Shunt (carton)	5	01100
AK01-1	Accessory Kit (ea)	1	01150
AK01-5	Accessory Kit (carton)	5	01150

## PACKAGING, SHELF LIFE AND STORAGE

The **ACES device** and the **ACES Accessory Kit** are single use devices that have been sterilized by gamma radiation.

The **ACES device** and **ACES Accessory Kit** need to be stored and used within typical hospital / office room ambient temperature and humidity conditions. The products have been subjected to temperature cycles ranging from -29oC to 60oC (-20oF to 140oF) and associated humidity cycles ranging from 30% - 85% with full functionality verified.

The ACES device has a 2-year shelf life from the date of manufacture. The ACES Accessory Kit has a 12-month shelf life from the date of manufacture. The expiration date is marked on the box and pouch label.

## BOX DIMENSIONS:

Order SKU	Dimensions
AS16-7-1	8.5" x 11.5" x 1.1"
AS16-7-5	12" x 9" x 7"
AK01-1	17" x 12.75" x 1.75"
AK01-5	17.25" x 13.25" x 9.75"

For questions about ordering the ACES device,  
**contact [sales@pleuraldynamics.com](mailto:sales@pleuraldynamics.com)**