

# ABTHERA ADVANCE™

OPEN ABDOMEN DRESSING

## ABTHERA ADVANCE™ Open Abdomen Dressing

The next generation in temporary  
abdominal closure

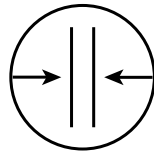


**3M** + **KCI**™

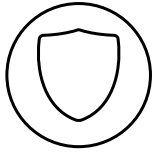
# ABTHERA™ Open Abdomen Negative Pressure Therapy Mechanism of Action



**Actively removes fluid** and reduce edema<sup>1,2</sup>



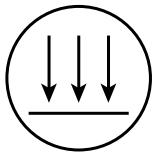
**Provides medial tension** which helps minimize fascial retraction and loss of domain<sup>2,3,4</sup>



**Provides separation** between the abdominal wall and viscera, protecting abdominal contents



Allows for **rapid access for re-entry** and does not require sutures for placement



Helps **protect abdominal contents** from the external environment

## Featuring ABTHERA ADVANCE™ Perforated Foam

Under negative pressure, the unique configuration of the ABTHERA ADVANCE™ Perforated Foam is designed to collapse medially while maintaining its vertical rigidity. It actively facilitates drawing wound edges together.



## Pre-Clinical Evidence

**No correlation to human use**

In a comparative study of 4 healthy pigs with an open abdominal wound that were treated with either ABTHERA™ SENSAT.R.A.C.™ OA Dressing or ABTHERA ADVANCE™ Dressing at -125mmHg for 5 minutes, results showed that the ABTHERA ADVANCE™ Dressing showed a difference in the following:

# 31%

**increase in overall tissue movement<sup>5</sup> (N=82, p<0.05)**

**39%** increase in skin movement<sup>5</sup> (N=42, p<0.05)

**20%** increase in fascia movement<sup>5</sup> (N=40, p<0.05)

**NO** change in intra-abdominal pressure<sup>5</sup>

# Key Components



## 1. ABTHERA™ Fenestrated Visceral Protective Layer

- Manifolds negative pressure throughout abdomen
- Enhances fluid removal from paracolic gutters
- Provides separation between abdominal wall and viscera, and protects abdominal contents

## 2. ABTHERA ADVANCE™ Perforated Foam

Actively facilitates drawing wound edges together by collapsing medially under negative pressure

## 3. V.A.C.® Drape

Provides a closed system to help isolate and protect abdominal contents from external environment

## 4. SENSAT.R.A.C.™ Pad

- Facilitates fluid removal from dressing
- Provides monitoring of negative pressure during therapy

## 5. Negative Pressure Therapy Unit

- Continuous negative pressure is provided by the V.A.C.ULTA™ Therapy Unit or the INFOV.A.C.™ Therapy Unit (not for use with instillation).
- To accommodate levels of fluid removal, 500mL and 1000mL canisters are available.

# ABTHERA™ Fenestrated Visceral Protective Layer Specifications

<b>Dimensions</b>	665mm x 802mm
<b>Encapsulated Foam Thickness</b>	10mm
<b>Polyurethane Layer Thickness</b>	160 microns
<b>Shelf Life</b>	3 years at room temperature
<b>Sterile, Latex Free</b>	

## Ordering Information

Description	Item Number	Qty.
ABTHERA ADVANCE™ Open Abdomen Dressing (Includes ABTHERA™ Fenestrated Visceral Protective Layer, (2) ABTHERA ADVANCE™ Perforated Foam, (4) V.A.C.® Drapes, and SENSAT.R.A.C.™ Pad and Tubing)  For use with negative pressure therapy provided by the V.A.C.ULTA™ Therapy Unit or INFOV.A.C.™ Therapy Unit.	ABT1055	5 per case

For more information, visit [abtheraadvance.com](http://abtheraadvance.com) or call Customer Service on **1300 524 822**.

### References

1. Animal Study: Kubiak BD, Albert SP, Gatto LA, Snyder KP, Maier KG, Vieau CJ, Roy S, Nieman GF. Peritoneal negative pressure therapy prevents multiple organ injury in a chronic porcine sepsis and ischemia / reperfusion model. Shock. 2010; 34(5): 525-534.
2. Cheatham ML, Demetriades D, Fabian TC, et al. Prospective study examining clinical outcomes associated with a negative pressure wound therapy system and Barker's vacuum packing technique. World J Surg. 2013;37:2018-2030.
3. Frazee RC, Abernathy SW, Jupiter DC, et al. Are commercial negative pressure systems worth the cost in open abdomen management? J Am Coll Surg. 2013;216:730-733.
4. Atema JJ, Gans SL, Boermeester MA. Systematic review and meta-analysis of the open abdomen and temporary abdominal closure techniques in non-trauma patients. World Journal of Surgery. 2015 April; 39(4):912-925.
5. Schmidt M, Hall C, Mercer D, Kieswetter K. Novel Foam Design Actively Draws Wound Edges Together Under Negative Pressure: Benchtop and Pre-clinical Assessment. Presented at: Society of Advanced Wound Care / Wound Healing Society; November 3, 2018; Las Vegas, Nevada.

**NOTE: Specific indications, contraindications, warnings, precautions and safety information exist for these products and therapies. Please consult a clinician and product instructions for use prior to application. This material is intended for healthcare professionals.**

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