ORDERING INFORMATION

SPRAYSHIELD™ ADHESION BARRIER SYSTEM

Order Code:	Description:	Quantity:
SP10S-01	10 mL polymer kit and Air Assisted Sprayer, sterile, single-use	1 kit/box

COMPONENTS - Also sold separately
POLYMER KIT

Order Code:	Description:	Quantity:
SSK01	10 mL polymer kit	1 kit/box

AIR ASSISTED SPRAYER

Order Code:	Description:	Quantity:
AirSpray-01	Air Assisted Sprayer, 32 cm length, malleable shaft	1/box

FLOW REGULATOR - Sold separately

Order Code:	Description:	Quantity:
FR-6065	Nitrogen or air flow regulator for use in conjunction with Air Assisted Sprayer	1/box

For additional information, call your authorized SprayShield™ adhesion barrier system sales representative.

REFERENCES

1. DeWilde RL, Trew GP, et al. Postoperative abdominal adhesions and their prevention in gynaecological surgery. Expert consensus position. Part 2—steps to reduce adhesion. Gynecol Surg 2007;4(4):243-253.
2. Seprafilm®* Adhesion Barrier instructions for use. Genzyme Corporation.
3. ADEPT®* Reduction Solution instructions for use. Baxter Healthcare Corporation.
4. ETHICON Intercoat™* brochure, 2007; Precautions. ETHICON Women's Health & Urology.
5. Ferland R, Campbell PK. Pre-clinical evaluation of a next-generation spray adhesion barrier for multiple site adhesion protection.
6. van Herendael BJ, et al. Abstract accepted for scientific presentation at European Society of Gynecologic Endoscopists Conference Oct 28-30, 2009; Florence 'Initial experience with a synthetic adhesion barrier SprayShield™ on fertility patients and pelvic pain patients—small prospective study including second look procedures.' Single investigator sponsored study, 16 patients (12 treated, 4 control).

SprayShield™ adhesion barrier system is not available for sale in the United States.

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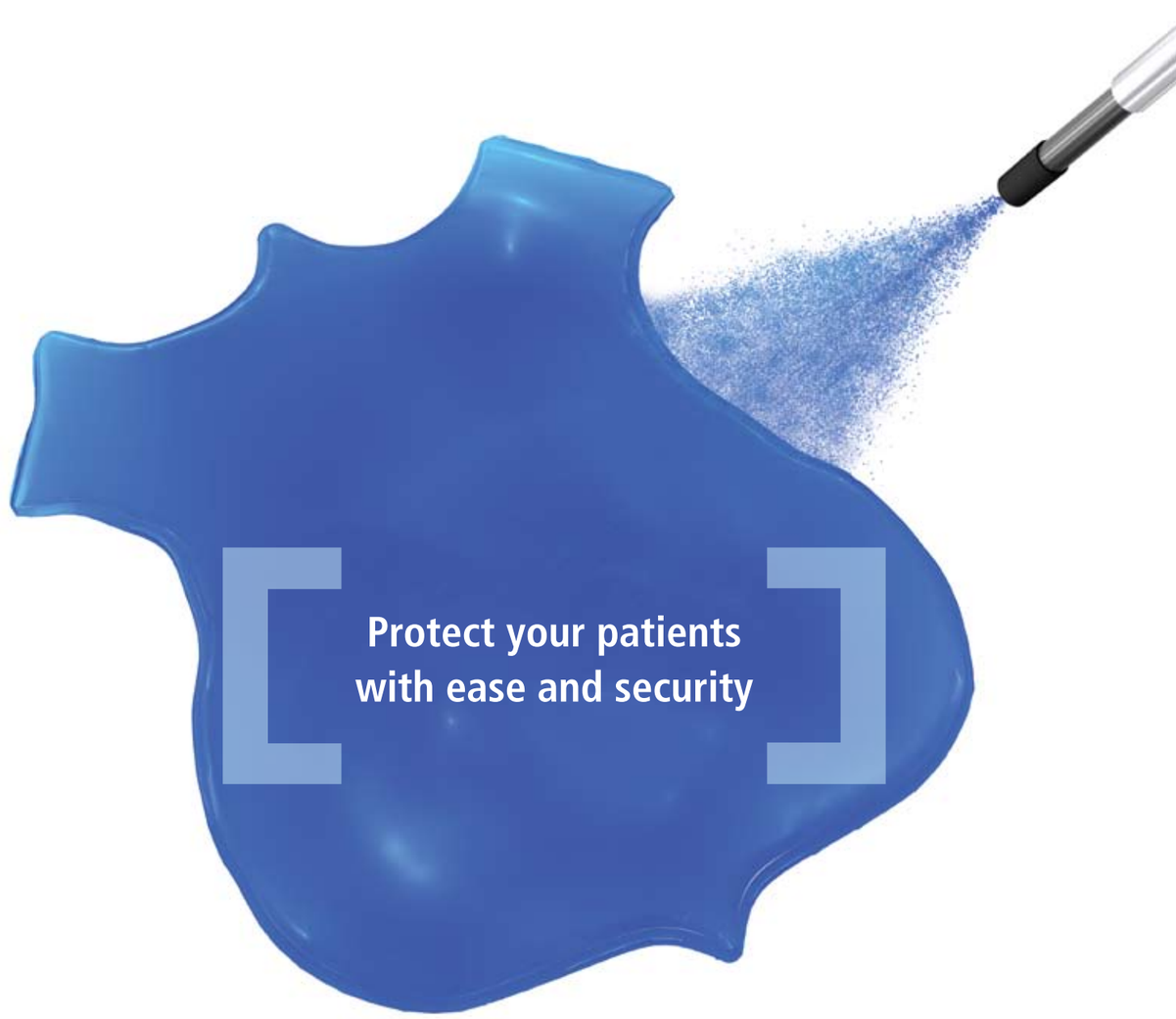


SprayShield™ Adhesion Barrier System

Abdominopelvic Adhesion Protection

COVIDIEN

SprayShield™ Adhesion Barrier System
Easy to use, secure, persistent protection for multiple sites

The SprayShield™ adhesion barrier system is designed to address the limitations of other adhesion barriers.

SECURE ADHERENCE

The SprayShield™ system technology is a unique, synthetic hydrogel that:

- Polymerizes in seconds when sprayed
- Provides secure protection with site-specific application
- Can be irrigated almost immediately

EASY TO USE ON COMPLEX ANATOMY

The SprayShield™ adhesion barrier system allows multiple-site abdominopelvic protection, even on complex anatomies:

- Can cover multiple adhesiogenic sites with just one kit
- A 32 cm sprayer shaft is designed for laparoscopic procedures
- A bendable tip applicator allows for rapid coverage of complex shapes

PERSISTENCE FROM 2-7 DAYS

The SprayShield™ adhesion barrier system is designed to reduce adhesions for up to one week following surgery.

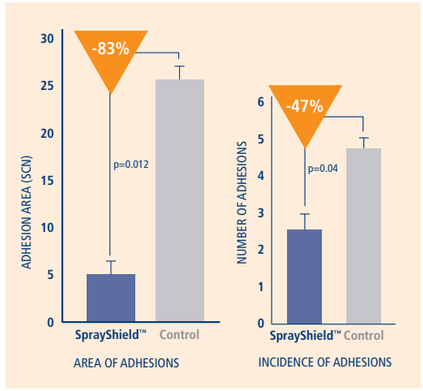
EASY VISUALIZATION

Colored blue, the hydrogel allows to easily assess coverage and thickness upon application.

THE COMPLETE SOLUTION: HOW THE SPRAYSHIELD™ SYSTEM COMPARES

Adhesion Barriers	Adherent to tissue	Site-specific	Easy to use with complex anatomy coverage	Can be irrigated	Easy to handle in open surgery and laparoscopy	Easy to visualize	Persists up to one week
SprayShield™ Adhesion Barrier	•	•	•	•	•	•	•
Hyaluronic acid-based resorbable knitting[1,2]		•					•
Cellulose-based resorbable knitting[1]		•				•	•
Solution of hydro-flotation[1,3]			•			•	
Cellulose-based gel[4]					•		•
Hyaluronic acid-based gel[1,3]					•		•

The next generation in protection against adhesions



In a GYN porcine model, the SprayShield™ adhesion barrier system demonstrated a significant reduction in the extent (area) of adhesions. As compared with the control (good surgical technique), the SprayShield™ adhesion barrier system demonstrated an 83% reduction in extent (area) of adhesions (p=0.012), a 47% reduction in incidence of post-op adhesions (p=0.04) and a 31% reduction in severity of adhesions.

EVALUATION OF SPRAYSHIELD™ ADHESION BARRIER SYSTEM IN A PORCINE MODEL OF GYNECOLOGICAL SURGERY[5]

Eighteen (18) virgin hogs, randomized to control (good surgical technique) or adhesion barrier groups.

EFFECTIVENESS, PERSISTENCE, COVERAGE OF COMPLEX ANATOMY AND EASE OF USE[6]

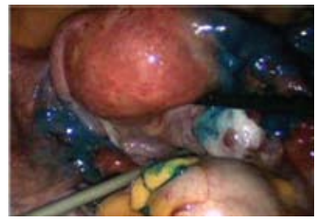
Early experience in a prospective study of 16 GYN patients with the SprayShield™ adhesion barrier system is providing positive results. This small, single-investigator study was sponsored by Covidien.

STUDY OVERVIEW

Study Group	Study procedure	SprayShield™-treated patients	Second-look laparoscopy	# application sites	Time of SprayShield™ application	Outcomes
Group I	Laparoscopic myomectomy and tubal reanastomosis patients	3	2	1, 3 (1, 3 kits)	2, 7 m	No de novo adhesions
Group II	Laparoscopic endometriosis III	2	2	9 (1 kit)	3, 3 m	Limited reformation of adhesions where initial severe adhesions were not completely lysed
Group III	Laparoscopic adhesiolysis	7	0	5, 4 (1 kit)	3, 1 m	Second look not applicable

Outcomes were assessed in 4 patients with second-look laparoscopy.[6]

TUBAL REFERTILIZATION WITH SPRAYSHIELD™ ADHESION BARRIER SYSTEM



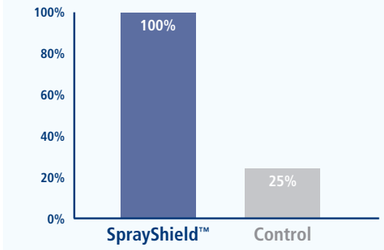
Initial

Second Look

GROUP I DETAILED OUTCOMES[6]

Success in preventing de novo adhesions

Lap Myomectomy and Tubal Reanastomosis, n=2 SLL patients



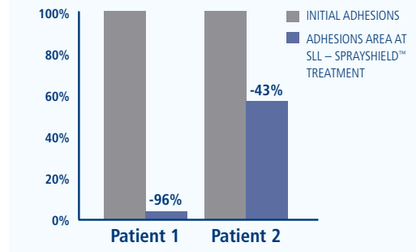
Outcomes included no de novo adhesions in the SprayShield™ group (n=2 SLL). In the control group (n=4 SLL*), de novo adhesions formed at the surgical site, requiring an additional 9 minutes to lyse.

*Prospective case matched controls

GROUP II DETAILED OUTCOMES[6]

Success in preventing reformation of lysed adhesions

Endometriosis Stage III, n=2 SLL patients



Outcomes included limited reformation of lysed adhesions (n=2 SLL). In the second patient, 2 out of 7 initial severe adhesions were not completely lysed in the initial procedure, and they reformed back into 2 severe adhesions.