



## ***SURGICAL PORTFOLIO***

***Access , Repair , Restore***



**Dr. Device & Lab**  
**D.D.L. Medical Supplies**

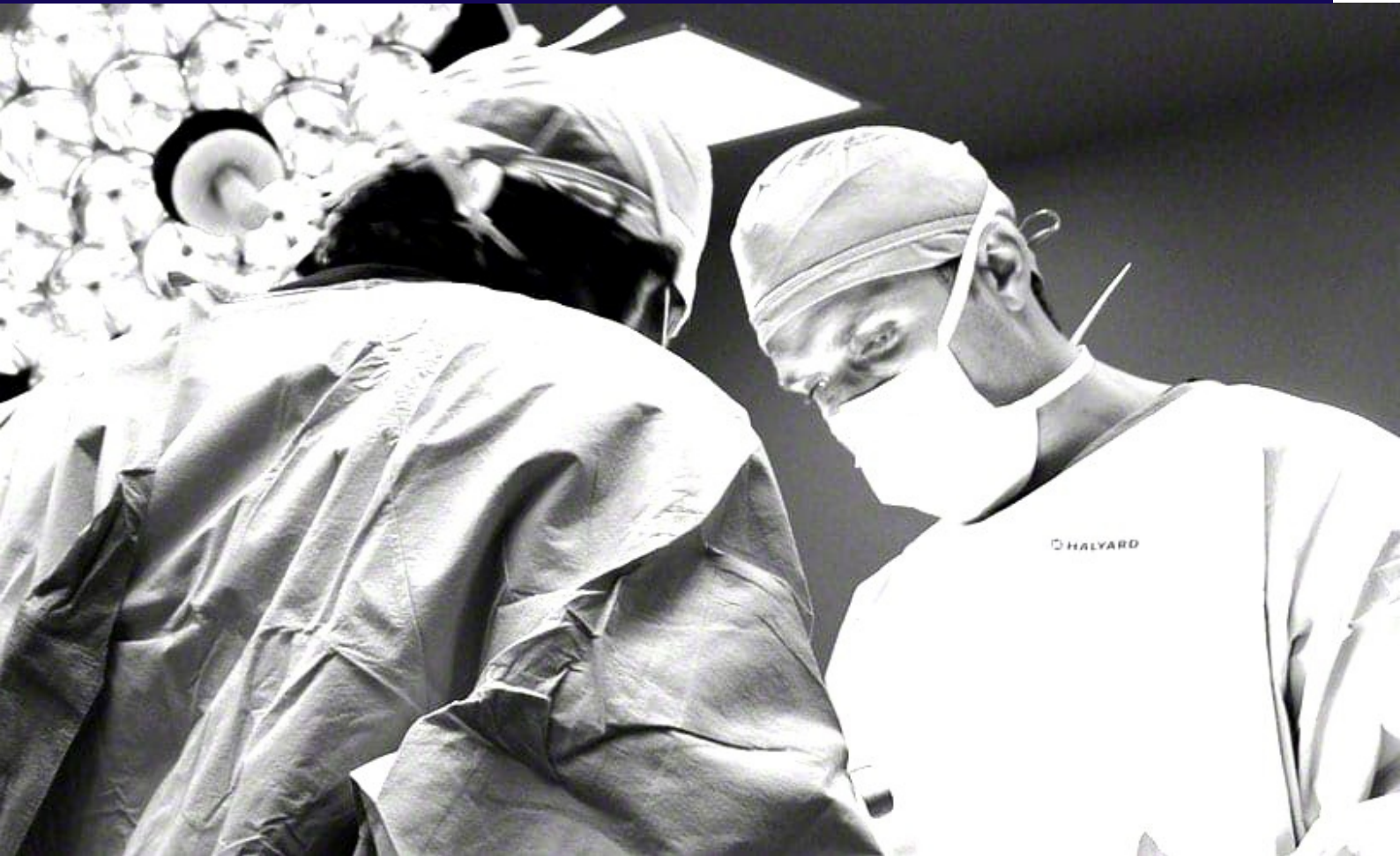
# INDEX

<i>Disposable Wound Retractor</i>	<b>ACCESS</b>
<i>Disposable Silicon Wound Retractor</i>	
<i>Optical Bladeless Trocar</i>	
<i>VATS / Minimally Invasive Thoracic Instruments</i>	
<i>Endoscopic Linear Cutter Stapler</i>	<b>REPAIR</b>
<i>Linear Cutter Stapler</i>	
<i>Circular Stapler</i>	
<i>Hemorrhoids Stapler</i>	
<i>Disposable Specimen Retriever</i>	
<i>Ultrasonic Scalpel Dissector with RTTE</i>	
<i>Disposable Clip</i>	
<i>Adhesion Barrier</i>	<b>RESTORE</b>
<i>Deep Brain Stimulation</i>	





# ACCESS



***Providing a safe ACCESS passage to the surgical site and instrument to maneuver delicate issue and organ for a better surgical outcome***



**Dr. Device & Lab**  
D.D.L. Medical Supplies

# DISPOSABLE WOUND RETRACTOR

## Product Advantages

### 01 Retraction

Provide 360° circumferential elastic retraction during procedures and evenly distribute retraction to minimize wounds and pains.

### 02 Protection

Protect wounds at the incision site with superior material strength, significantly avoid infection and keep incision moist.

### 03 Exposure

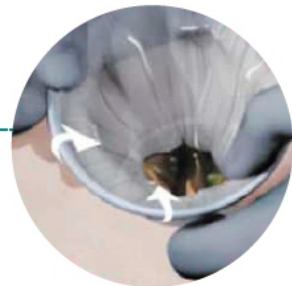
Minimize the working field for better exposure and visualization, prevent bleeding implications and free up surgeons' hands.



01 Cut the abdomen along the marked incision lines.



02 The green ring of the device is implanted through the incision.



03 Roll the outer ring inward at the 10 and 2 o'clock positions.



06 Finally remove the green ring from the incision.



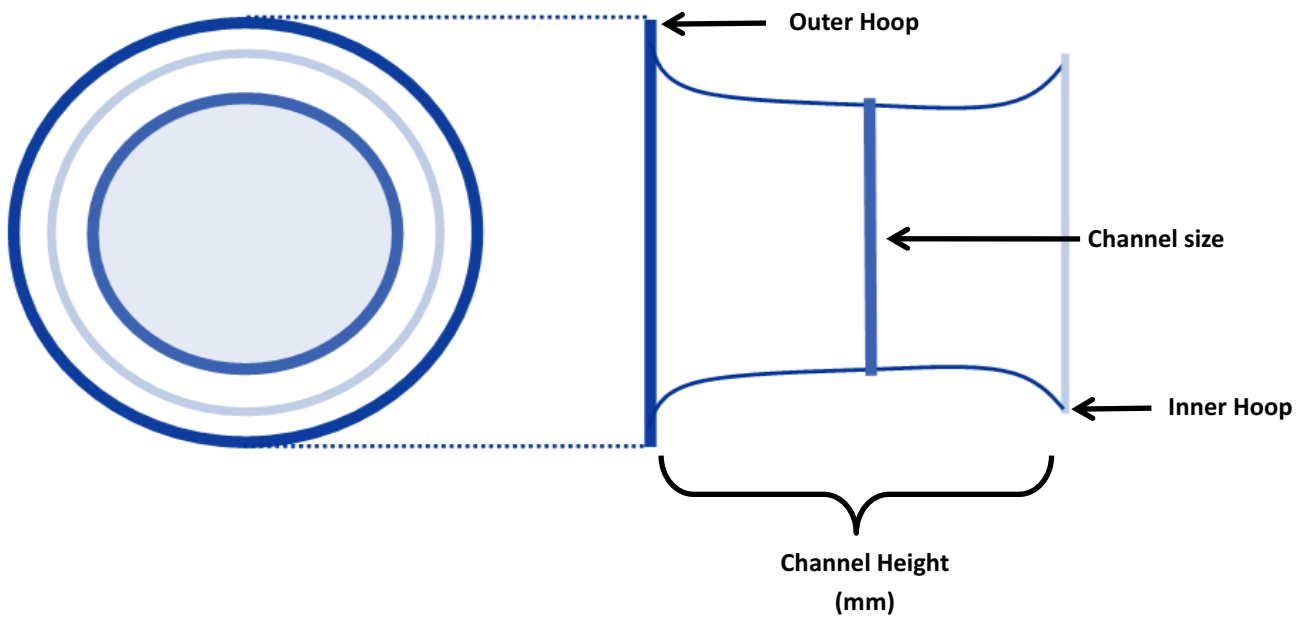
05 Perform the desired operation by retracting the incision.



04 until the outer ring rolls over.



# DISPOSABLE WOUND RETRACTOR



Outer Hoop size (mm)	Inner Hoop size (mm)	Channel Size (mm)	Channel Height (mm)	Product Code
60	70	60	150	LMQK-60/70 –60/150(A)
80	90	80	150	LMQK-80/90 –80/150(A)
120	130	120	250	LMQK-120/130 –120/250(A)
150	160	150	250	LMQK-150/160 –150/250(A)
180	190	180	250	LMQK-180/190 –180/250(A)
200	210	200	250	LMQK-200/210 –200/250(A)
220	230	220	250	LMQK-220/230 –220/250(A)
250	260	250	250	LMQK-250/260 –250/250(A)
270	280	270	250	LMQK-270/280 –270/250(A)
320	330	320	250	LMQK-320/330 –320/250(A)

# DISPOSABLE OPTICAL BLADELESS TROCAR

## 01 Visible puncture

With transparent puncture rod tip, camera can be placed in puncture to prevent accidental tissue injury.

## 02 Bladeless obturator

Separates, instead of cuts, reducing risk of abdominal wall injuries with bleeding complications.

## 03 Diamond tip

Facilitate smoother insertion for easier trocar placement.

## 04 Reverse thread design

Make the insertion smoothly and prevent the undesired movement in the operation.



Description	Diameter	Length	Product Code
Disposable Optical Bladeless Trocar 3mm	3 mm	100mm	WZDT-A-3/100
Disposable Optical Bladeless Trocar 5mm	5 mm	100mm	WZDT-A-5/100
Disposable Optical Bladeless Trocar 10mm	10 mm	100mm	WZDT-A-10/100
Disposable Optical Bladeless Trocar 12mm	12 mm	100mm	WZDT-A-12/100
Disposable Optical Bladeless Trocar 15mm	15 mm	100mm	WZDT-A-15/100

# VATS / MINIMALLY INVASIVE THORACIC INSTRUMENTS



**Option:**  
**RXQFY009**  
10 mm width snake type ring jaws (Cobra head)  
7mm shaft  
310 mm total length



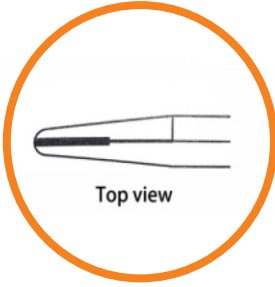
**RXQFY008**  
5 mm width snake type ring jaws (Cobra head)  
7mm shaft  
310 mm total length



**RXQFY007**  
8 mm width banana type  
7mm shaft  
340 mm total length



**Option:**  
**RXQCZ005**  
Straight Needle holder  
7mm shaft  
340 mm total length



**RXQCZ004**  
Curved Needle holder  
7mm shaft  
340 mm total length



# VATS / MINIMALLY INVASIVE THORACIC INSTRUMENTS

## Option:

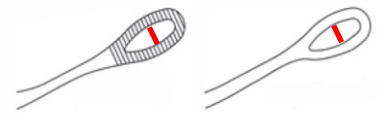
**RXQZZ012 (with grip) / RXQZZ016 (without grip)**

8 mm head wide oval jaws

7mm shaft

340 mm total length

Oval head wide



With Grip

Without Grip

## Option

**RXQZZ010 (with grip) / RXQZZ014 (without grip)**

10 mm head wide oval jaws

7mm shaft

340 mm total length

**RXQZZ013**

6 mm head wide oval type

7mm shat , with grip

340 mm total length

## Other options available:

**RXQZZ017 (without grip)**

6 mm head wide oval jaws

7mm shaft

340 mm total length

**RXQZZ015 (with grip) / RXQZZ019 (without grip)**

12mm head wide oval jaw

7mm shaft

340 mm total leng

## Option:

**RXQZX025**

Debaquey Straight

7mm shaft

330 mm total length

Debaquey jaws type

**RXQZX019**

Debaquey Curved 30°

7mm shat

330 mm total length

## Option:

**RXQZX023**

Debaquey Curved 90° Big 30 mm height

7mm shaft

330 mm total length

## Other options available:

**RXQZX025** Debaquey Straight


**RXQZX005** Debaquey Curved 45°

**RXQZX020** Debaquey Curved 60°


**RXQZX021** Debaquey Curved 90° Medium 25mm Height

**RXQZX022** Debaquey Curved 90° Small 20mm Height


# VATS / MINIMALLY INVASIVE THORACIC INSTRUMENTS




**Option:**  
**FQC721S**  
**Straight Tip**  
**Suction with Coagulation**  
5mm shaft  
390 mm total length



**FQC721C**  
**Curved Tip**  
Suction with Coagulation  
5mm shaft  
390 mm total length




**Option:**  
**HJH01093A Conical Curved Tip**  
**HJH01093B Conical Straight Tip**  
**Suction**  
6mm shaft  
360 mm total length




**HJH01092B**  
**Normal Straight Tip**  
**Suction**  
6mm shaft  
360mm total length

**Option:**  
**HJH01092A Normal Curved tip**



**Option:**  
**RXQJD001**  
**Straight Scissors**  
7mm shaft  
320 mm total length



**RXQJD002**  
**Curved Scissors**  
7mm shaft  
320mm total length

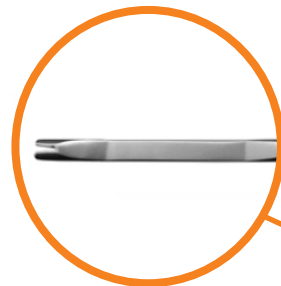
# VATS / MINIMALLY INVASIVE THORACIC INSTRUMENTS



**RXQJZ005**  
**Allis Forceps**  
7mm shaft  
340 mm total length



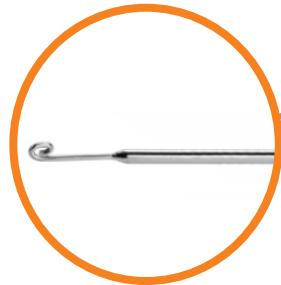
**RXQZZ004**  
**Nodule Clamp**  
10mm width ball type jaws  
7mm shaft



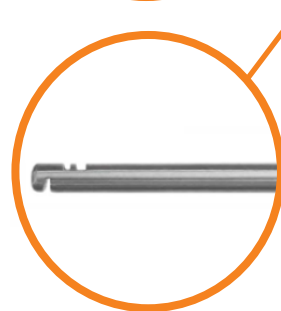
**Option:**  
**HJH01095V**  
**Knot Pusher**  
Y Type , Shallow 0mm width ball type jaws  
330 mm total length



**HJH01095**  
**Knot Pusher**  
Y Type , Shallow 0mm width ball type jaws  
330 mm total length



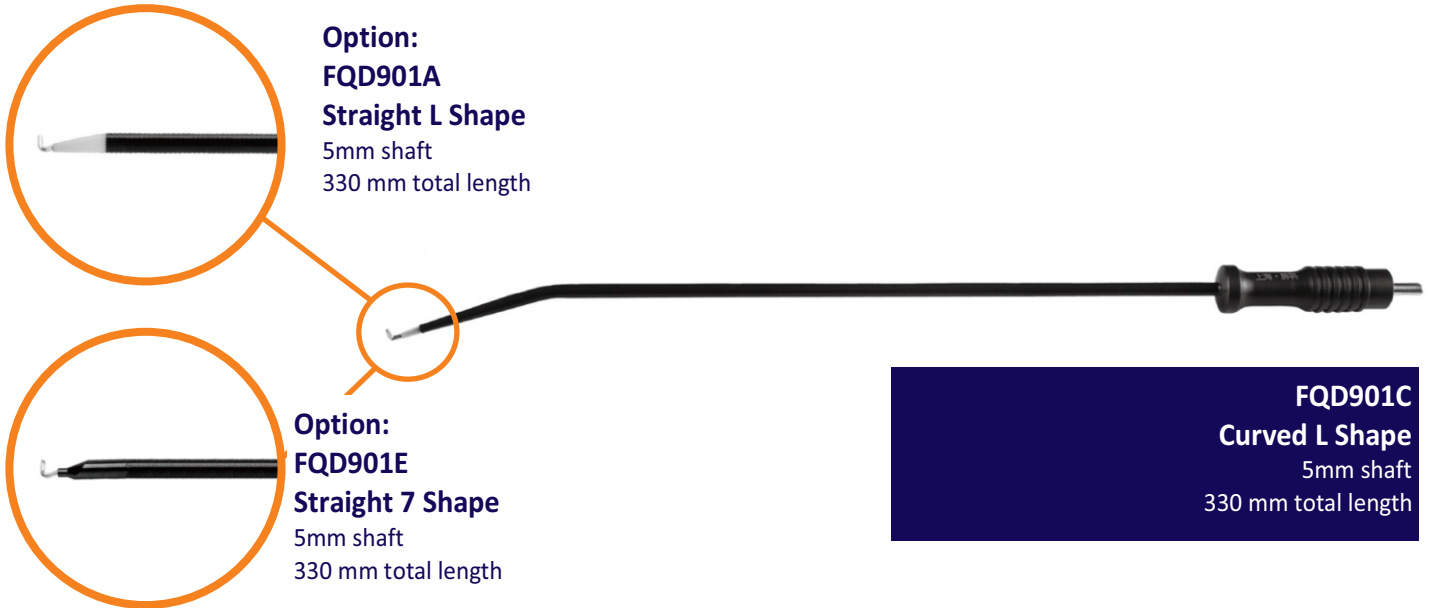
**Option:**  
**HZ006**  
**Knot Pusher**  
Return Type  
280 mm total length



**Option:**  
**HZ005**  
**Knot Pusher**  
String holder spring type  
280 mm total length



# VATS / MINIMALLY INVASIVE THORACIC INSTRUMENTS



*We provide customization service for VATS and Minimally invasive thoracic surgical instrument. For further information, please kindly get in touch with our representative for more information.*

# REPAIR



*Providing safe medical device to REPAIR and  
remove issue and parts of organ for  
a beter paient outcome*

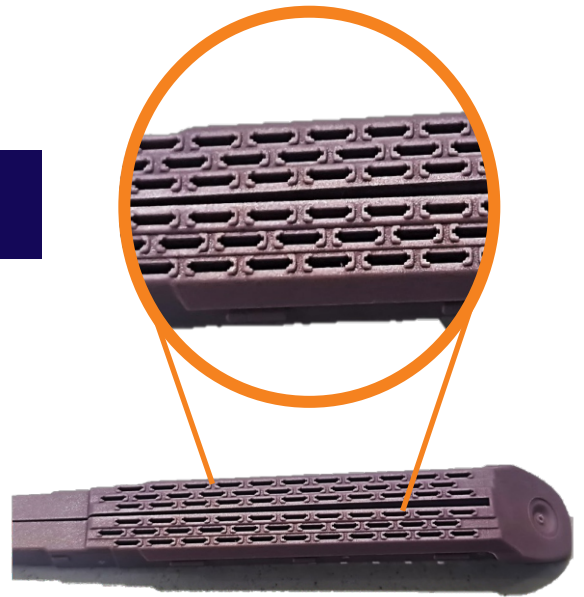


**Dr. Device & Lab**  
D.D.L. Medical Supplies

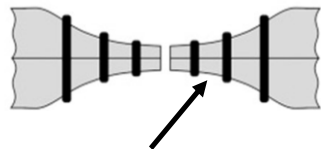
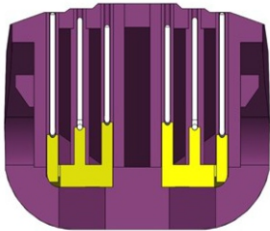
# KEY FEATURES STAPLES TECHNOLOGY

## GRIPPING SURFACE

*Gripping surface on staple reload allows better grasping of tissue to prevent tissue migration*

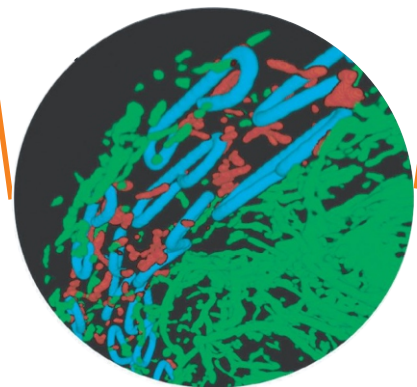
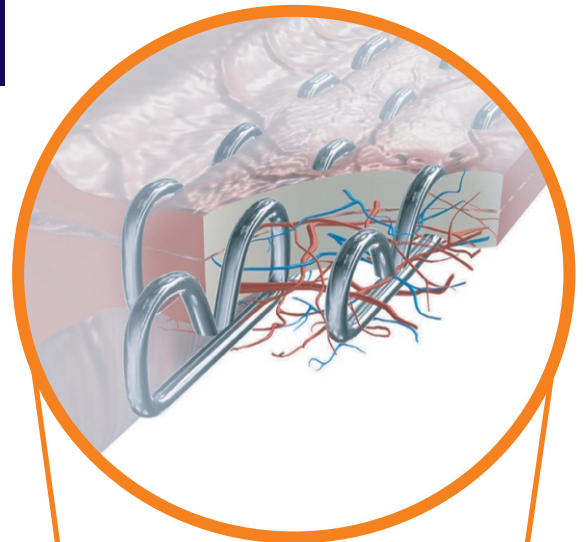


## GRADUATED STAPLES HEIGHT



*3 rows of graduated staples height to produce graduated tissue compression*

*“ This study shows a higher perfusion volume around the staple lines using graduated-height staples as compared to single-height staples and this may contribute to better wound healing in patients. ”*



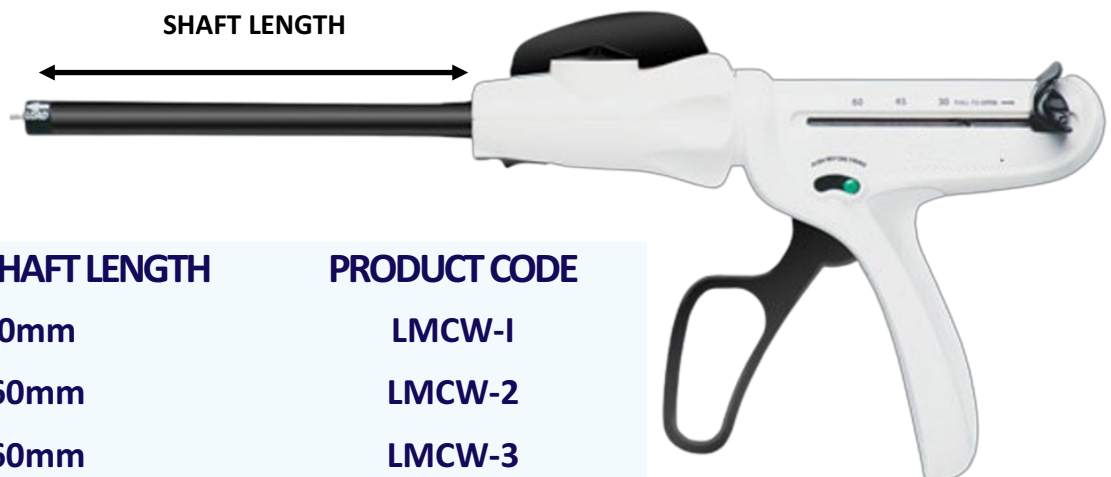


# ENDOSCOPIC LINEAR CUTTER STAPLER

- ➡ Design for endoscopic and laparoscopic procedure
- ➡ Graduated Staples height for better hemostasis effect
- ➡ Gripping Surface to secure tissue before firing
- ➡ Curved Hook design for hard to reach deep cavity
- ➡ Various stapler length catering for surgical demand

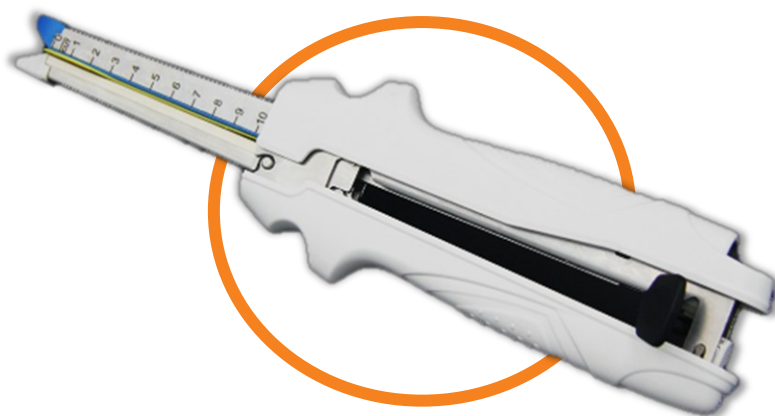


STAPLER LENGTH	STAPLER HEIGHT	COLOR CODE	PRODUCT CODE
30mm	2.5mm	BROWN 	LMCWC-B30/2.5
30mm	3.5mm	PURPLE 	LMCWC-B30/3.5
30mm	4.8mm	BLACK 	LMCWC-B30/4.8
45mm	2.5mm	BROWN 	LMCWC-B45/2.5
45mm	3.5mm	PURPLE 	LMCWC-B45/3.5
45mm	4.8mm	BLACK 	LMCWC-B45/4.8
60mm	2.5mm	BROWN 	LMCWC-B60/2.5
60mm	3.5mm	PURPLE 	LMCWC-B60/3.5
60mm	4.8mm	BLACK 	LMCWC-B60/4.8



STAPLER SHAFT LENGTH	PRODUCT CODE
60mm	LMCW-I
160mm	LMCW-2
260mm	LMCW-3

# LINEAR CUTTER STAPLER



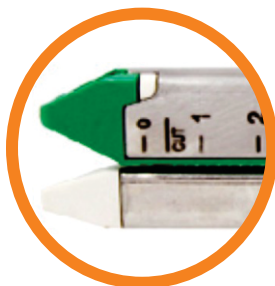
➡ 2 row staples formation for good hemostasis result

➡ Smooth stapling and formation of B shape staples

➡ Easy latch and detach for easy operation

➡ Ergonomic Design

STAPLER LENGTH	STAPLE HEIGHT	CLOSURE HEIGHT	COLOR CODE	PRODUCT CODE
60mm	3.8mm	1.5mm	BLUE	LMDQ-60
60mm	4.5mm	2.0mm	GREEN	LMDQ-60
80mm	3.8mm	1.5mm	BLUE	LMDQ-80
80mm	4.5mm	2.0mm	GREEN	LMDQ-80
100mm	3.8mm	1.5mm	BLUE	LMDQ-100
100mm	4.5mm	2.0mm	GREEN	LMDQ-100



## RELOADS

STAPLER LENGTH	STAPLE HEIGHT	COLOR CODE	PRODUCT CODE
60mm	3.8mm	BLUE	LMDQ-60/3.8
60mm	4.5mm	GREEN	LMDQ-60/4.5
80mm	3.8mm	BLUE	LMDQ-80/3.8
80mm	4.5mm	GREEN	LMDQ-80/4.5
100mm	3.8mm	BLUE	LMDQ-100/3.8
100mm	4.5mm	GREEN	LMDQ-100/4.5









# CIRCULAR STAPLER



**Integrated Anvil for better B shape stapler formation**

**Larger inner diameter to prevent excessive strains on anastomosis site**

**Compact range of stapler size for better selection**

O.D (mm)	I.D (mm)	Stapler	Height (mm)	Closure Height (mm)	CARTRIDGE COLOR	PRODUCT CODE
21	12	16	4.8	2.0	PURPLE 	LMGW—21
24	14.9	18	4.8	2.0	BLACK 	LMGW—24
26	16	20	5.2	2.5	BLUE 	LMGW—26
29	19	24	5.2	2.5	GREEN 	LMGW—29
32	22	30	5.2	2.5	WHITE 	LMGW—32
34	24.4	32	5.2	2.5	GREY 	LMGW—34

**Remarks :**

*O.D : Outer Diameter*

*I.D : Internal Diameter*



# HEMORROID STAPLER

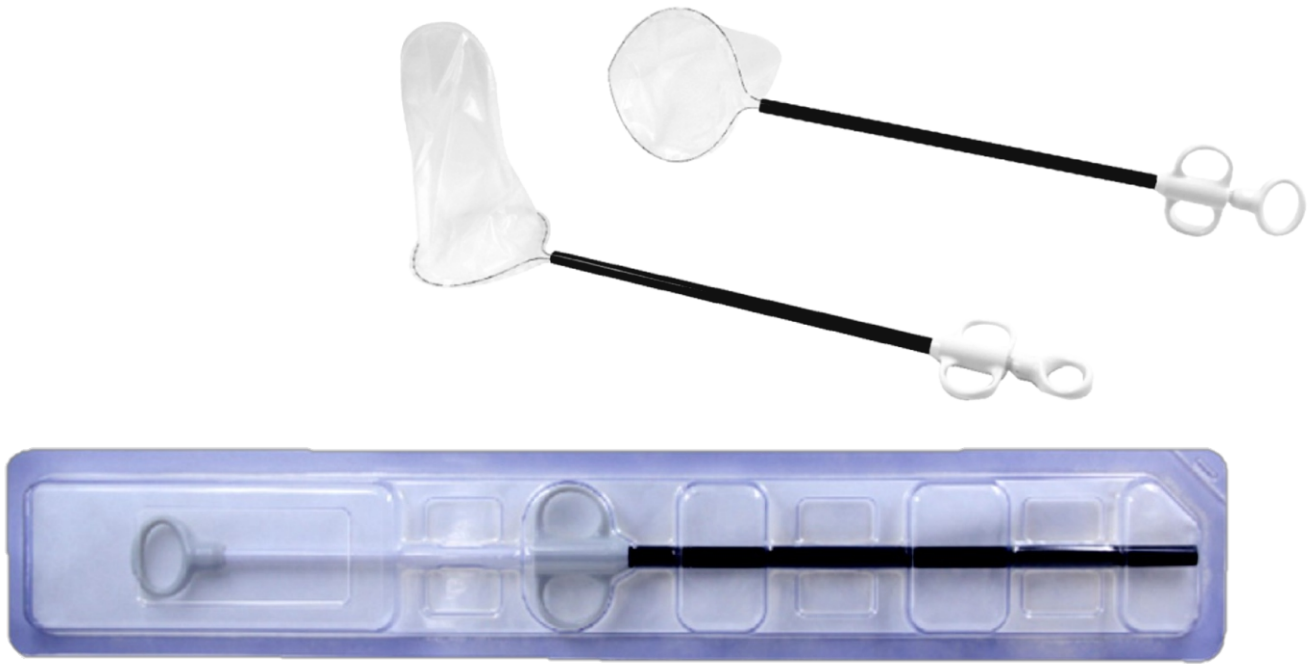


Integrated Anvil for better B shape stapler formation  
Integrated shaft for better stability during stapling  
Deeper and bigger cartridge for better bigger stapling area

O.D (mm)	I.D (mm)	STAPLER	HEIGHT (mm)	CLOSURE HEIGHT (mm)	PRODUCT CODE
32	23	32	3.8	1.5	LMPH—32
34	24.7	34	3.8	1.5	LMPH—34
36	26	36	3.8	1.5	LMPH—36

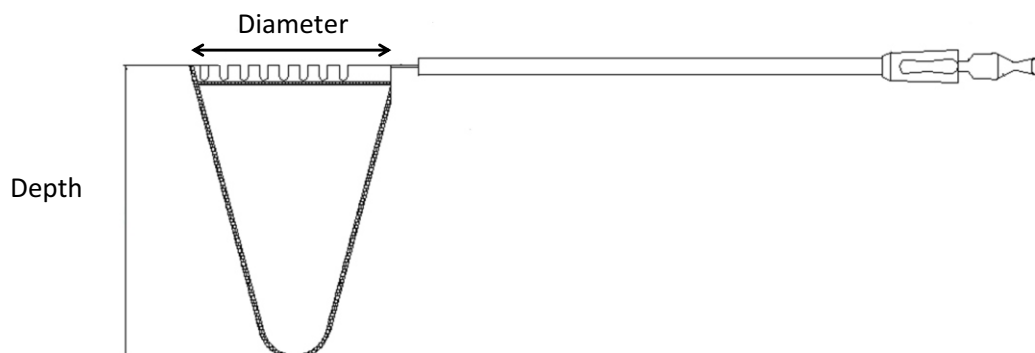
Remarks :  
O.D : Outer Diameter  
I.D : Internal Diameter

# DISPOSABLE SPECIMEN RETRIEVER






**Easy to deploy**  
**Applicable for all laparoscopic surgery**  
**Deeper and bigger cartridge for better bigger stapling area**

Diameter	DEPTH	SIZE	CAPACITY (mL)	PRODUCT CODE
11cm $\pm$ 0.5	152	S	200 mL	LMSBB - 80
11cm $\pm$ 0.5	182	M	350 mL	LMSBB - 100
11cm $\pm$ 0.5	182	L	700 mL	LMSBB - 130



# DISPOSABLE TITANIUM CLIP

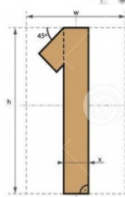


REF	Shaft Diameter (mm)	Working Length (mm)	Clip Size			Clip Qty (pcs)
			Length (mm) 	Aperture (mm) 	Width (mm) 	
Tq10	10	290	5.5	8.7	1.0	20
TQ10-J	10	290	5.5	8.7	1.0	20
Tq5	5	330	4.4	9.1	0.75	15

# ULTRASONIC ADVANCED DISSECTOR

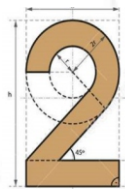


*in the world, Ultrasonic Advanced Dissector  
with Advanced RTTE II Technology*



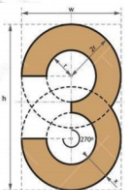
## **PORTABLE & POWERFUL**

- > Smart size, Save OR space
- > Plug & Play, Self Diagnostic



## **OPTIMAL CLINICAL PERFORMANCE**

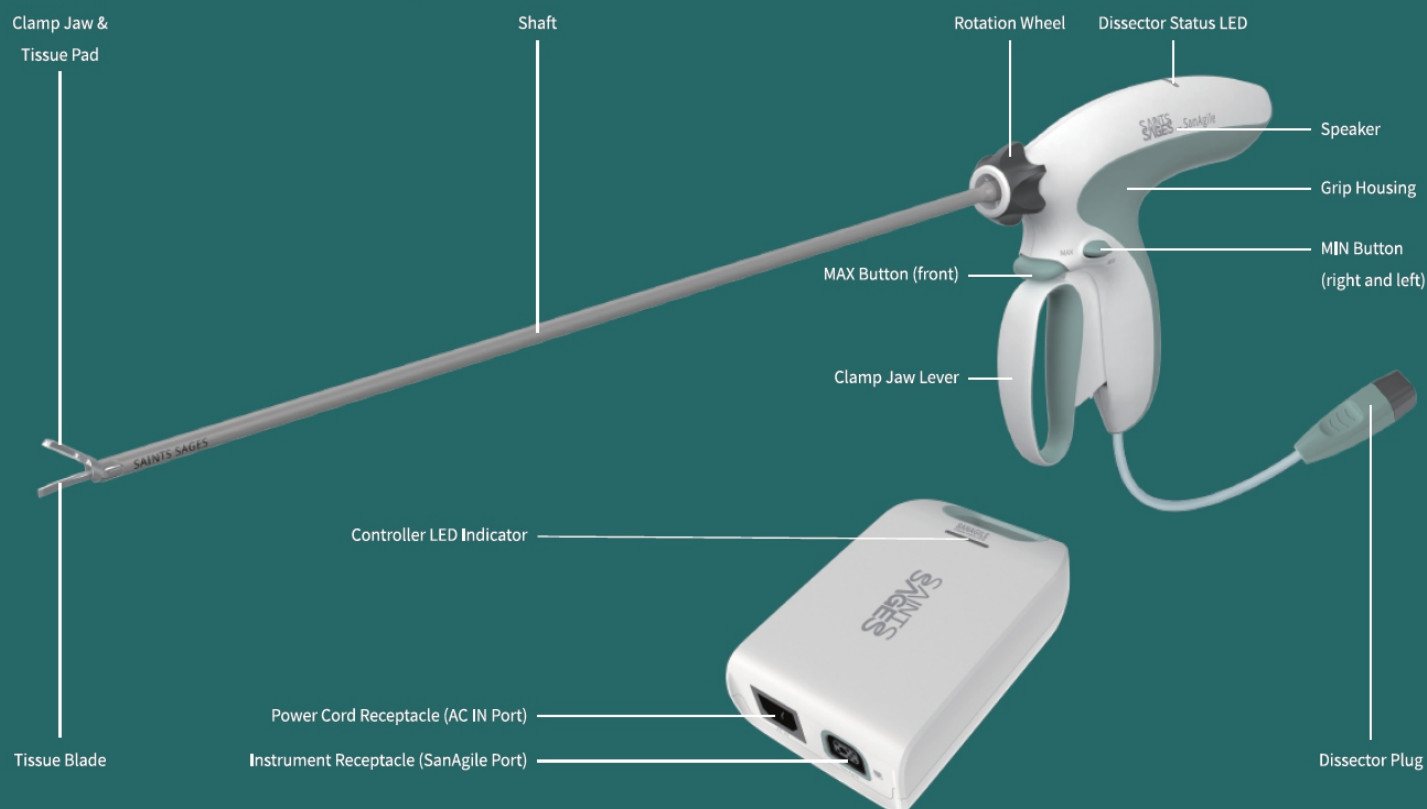
- > Advanced RTTE II Algorithm
- > Transection speed is 17% faster than others



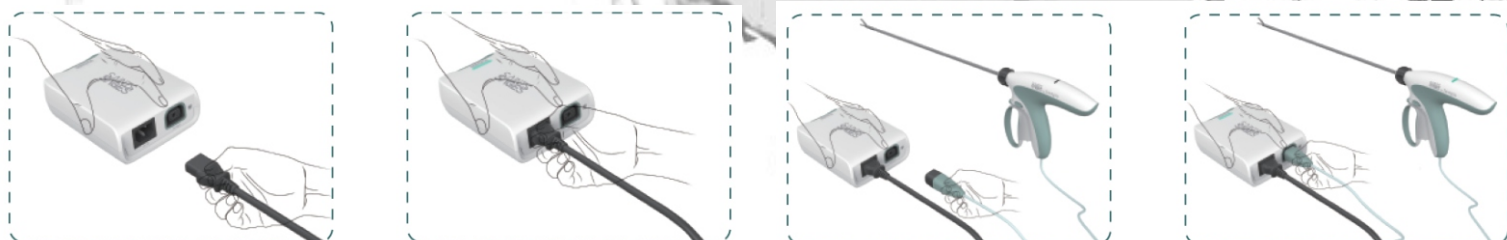
## **EXTRAORDINARY RELIABILITY**

- Completing over 6 hours operations with minimum thermal spread and stable energy output

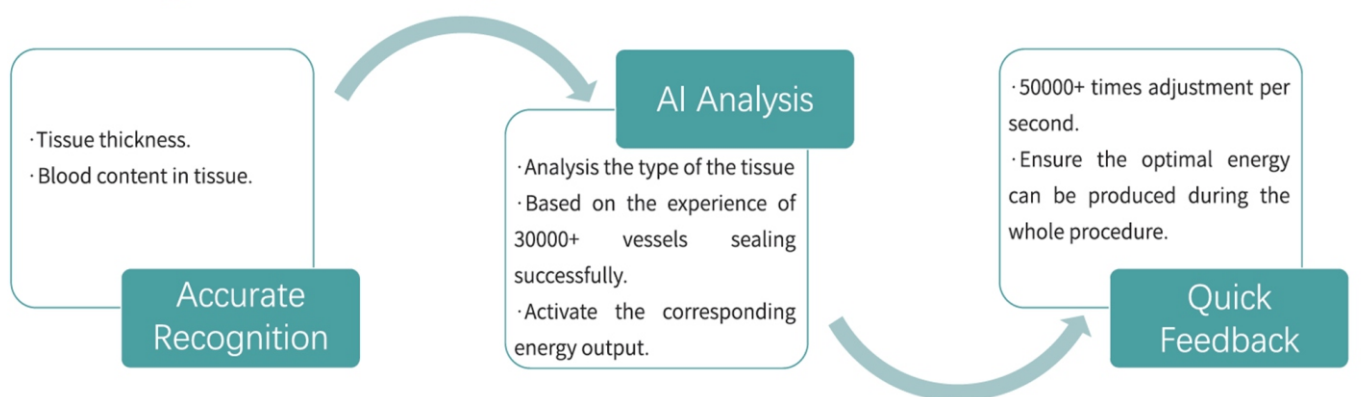
## • Devices and Components



## QUICK INSTALLATION



## Intelligent RTTE II algorithm



**Advanced Ultrasonic Dissector comes in 4 different length**

14CM

23CM

36CM

45CM



# ***RESTORE***



***Providing safe medical device to  
REHABILITATE and rejuvenate  
patient's well being***



**Dr. Device & Lab**  
D.D.L. Medical Supplies

# Hyalobarrier®

GEL | GEL ENDO

## THE NATURAL CHOICE IN ADHESION PREVENTION



## WHY USE HYALOBARRIER GEL?

- ⊙ 100% natural product consisting of pure hyaluronic acid auto-crosslinked. <sup>(1-12)</sup>
- ⊙ The gel, which is a natural product produced by biofermentation (no animal origin, from natural hyaluronan); bioabsorbable and inherent in the body, creates a mechanical barrier between organs after surgery at the site where there is a risk of adhesions. <sup>(1-12)</sup>
- ⊙ Highly viscous, sticks firmly to the application site, thus fulfilling the essential function of these devices - to stay where it is needed. <sup>(1-12)</sup>
- ⊙ Hyalobarrier remains in the area of application for 7 days, protecting the organism during the 3-5 days of adhesion risk and completely degrades within 30 days (bioabsorbable). <sup>(1-12)</sup>
- ⊙ Significant reduction of post-surgical adhesions. <sup>(14)</sup>
- ⊙ Significant reduction of post-surgical intrauterine adhesions. <sup>(15,16)</sup>
- ⊙ Significant increase in the pregnancy rate. <sup>(18)</sup>
- ⊙ Effectiveness in laparotomy, laparoscopy and hysteroscopy. <sup>(13-23)</sup>
- ⊙ Completely safe - tested in over 500,000 patients since year 2000 with no adverse effects being reported.





### Characteristics

Hyalobarrier<sup>®</sup> is a bioabsorbable, transparent and highly viscous gel, composed of 100% pure hyaluronic acid auto-crosslinked without the introduction of any foreign substances.

Thanks to its viscosity, Hyalobarrier<sup>®</sup> adheres perfectly to the tissue surface and to the abdominal wall, creating an anti-adhesion barrier which keeps the adjacent tissues separated during the repair phase subsequent to a surgical procedure.

### Indications

Hyalobarrier<sup>®</sup> is indicated to prevent or reduce the post-surgical adhesion.

### Instructions for use

1. Take the product out of refrigeration and let it warm at room temperature. Open the pouch and introduce the syringe into the operating field, adopting the normal aseptic techniques used in the surgical theatre.
2. Remove the protective cap on the tip of the syringe and connect the enclosed cannula to the luer-lock end of the syringe. The cannula for Hyalobarrier<sup>®</sup> gel endo has been designed to be utilized with a 0.5 cm diameter trocar.
3. Apply the gel inside the wound site by pushing the plunger.
4. Cover the areas to be treated with the gel. It is recommended to apply a 1-2 mm thick layer of gel. The thickness of the gel layer does not influence the efficacy of the product.
5. Do not irrigate the surgical field after application of the product.

### Contraindications

Known hypersensitivity to the product, like other implant materials, the device must not be used in patients with active infection or contamination of the surgical site.

### Storage

Keep refrigerated (2-8°C).

Do not freeze.

### Shelf life

Three years.

### Preclinical publications

1. Mensitieri M et al., Viscoelastic properties modulation of a novel autocrosslinked hyaluronic acid polymer. J MaterSci MaterMed 1996;7, 695-698
2. De Iaco PA et al., A novel hyaluronan-based gel in laparoscopic adhesion prevention: preclinical evaluation in an animal model. Fert Ster 1998 Feb; 69[2]:318-23
3. Koçak I et al., Reduction of adhesion formation with cross-linked hyaluronic acid after peritoneal surgery in rats. Fertility and Sterility 1999 Nov; vol.72.N°5
4. Belluco C et al., Prevention of postsurgical adhesion with an autocrosslinked hyaluronan derivative gel. J Surg Res 2001 Oct; 100[2]:217-21
5. De Iaco PA et al., Efficacy of hyaluronan derivative gel in postsurgical adhesion prevention in the presence of inadequate hemostasis. Surgery 2001 Jul; 130[1]:60-4
6. Pucciarelli S et al., Effect of antiadhesive agent on peritoneal carcinomatosis in an experimental model. Br J Surg 2003 Jan; 90[1]:66-71
7. Renier D et al., Pharmacokinetic behaviour of ACP gel, an autocrosslinked hyaluronan derivative, after intraperitoneal administration. Bio materials 2005 Sep; 26(26):5368-74
8. Wallwiener M. et al, Innovative barriers for peritoneal adhesion prevention: liquid or solid? A rat uterine horn model. Fertil Steril Vol. 86, Suppl 3, October 2006 (1266 - 1276).
9. Shamiyeh A. et al.: Effect of Hyaluron Derivate Gel in Prevention of Postsurgical Peritoneal Adhesions - An Experimental Study in Pigs. Hepato-Gastroenterology 54 (2007), 1121-1124.
10. Binda MM, Molinas CR, Bastidas A et al. Efficacy of barriers and hypoxia-inducible factor inhibitors to prevent CO2 pneumoperitoneum enhanced adhesions in a laparoscopic mouse model. J Min Inv Gynecol 2007; 14:591-599.
11. Blinda MM and Koninckx PR. Prevention of adhesion formation in a laparoscopic mouse model should combine local treatment with peritoneal cavity conditioning. Hum Reprod. 2009 Jun; 24(6):1473-9. Epub 2009 Mar 3.
12. Binda MM and Koninckx PR. Hyperoxia and prevention of adhesion formation: a laparoscopic mouse for open surgery. BJOG. 2010 Feb; 117(3):331-9. Epub 2009 Oct

### Warnings and precautions

Even if the efficacy of the product is not compromised in the presence of difficult haemostasis, the use of Hyalobarrier<sup>®</sup> on patients affected by alterations of blood coagulation, severe allergies or previous recognized anaphylaxis episodes is at total discretion of the surgeon.

Hyalobarrier<sup>®</sup> does not have intrinsic bacteriostatic or bactericidal activity.

The concomitant use of the product together with other anti-adhesion devices or with solutions instilled intraperitoneally, has not been evaluated.

The safety of Hyalobarrier<sup>®</sup> has not been evaluated in patients affected by malignant tumours.

The syringes are single-use. Non-utilized portions of the product must be discarded.

The cannula is single-use.

To avoid damage to the luer-lock connection, it is recommended not to use the cannula-syringe system as a manipulating laparoscopic instrument, e.g. for displacing tissues and organs.

### Presentations

#### Hyalobarrier<sup>®</sup> gel

Indicated for use in open surgery procedures.

The package includes:

- three individually-packaged, single-use, sterile syringes, each containing 10ml of gel
- three individually-packaged, sterile, 5 cm-cannulae.

#### Hyalobarrier<sup>®</sup> gel endo

Indicated for use in laparoscopic and hysteroscopic surgical procedures.

The package includes:

- three individually-packaged, single-use, sterile syringes, each containing 10ml of gel
- three individually-packaged, sterile, 30cm-cannulae. These cannulae have been designed to be utilized with a 0.5cm diameter trocar.

### Clinical publications

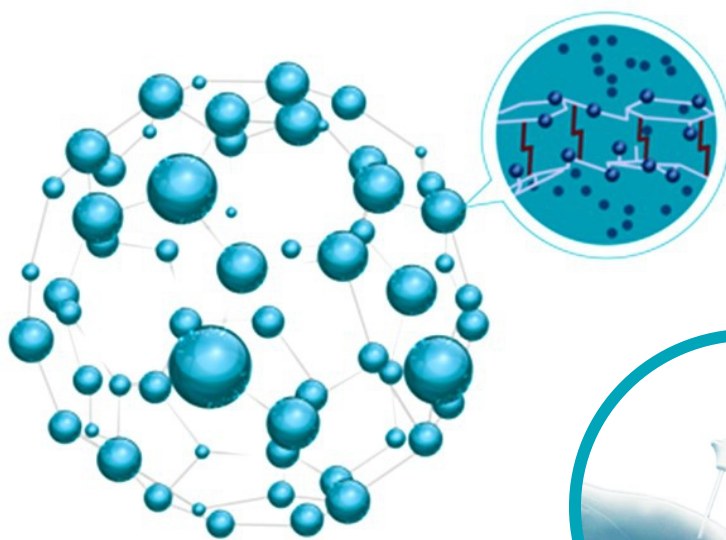
13. De Iaco PA et al., Hyaluronan derivative gel (HYALOBARRIER<sup>®</sup> gel) in intrauterine adhesion (IUA) prevention after operative hysteroscopy. Ellipse 2003; 19(1):15-18
14. Pellicano M et al., Effectiveness of autocrosslinked hyaluronic acid gel after laparoscopic myomectomy in infertile patients: a prospective, randomized, controlled study. Fertil Steril 2003 Aug; 80[2]:441-4
15. Acunzo G et al., Effectiveness of auto-cross-linked hyaluronic acid gel in the prevention of intrauterine adhesions after hysteroscopic adhesiolysis: a prospective, randomized, controlled study. Hum Reprod 2003 Sep; 18[9]:1918-21
16. Guida M. et al., Effectiveness of auto-crosslinked hyaluronic acid gel in the prevention of intrauterine adhesions after hysteroscopic surgery: a prospective, randomized, controlled study. Hum Reprod 2004 Jun; 19[6]:146-4
17. Carta G et al., Postoperative adhesion prevention in gynecologic surgery with hyaluronic acid. Clin Exp Obstet Gynecol. 2004; 31[1]:39-41
18. Pellicano M et al., Reproductive outcome after autocrosslinked hyaluronic acid gel application in infertile patients who underwent laparoscopic myomectomy. Fertil Steril 2005 Feb; 83[2]:498-500
19. Mais V. et al, Reduction of postoperative adhesions with an auto-crosslinked hyaluronan gel in gynaecological laparoscopic surgery: a blinded, controlled, randomized, multicentre study. Hum Reprod. 2006 May; 21(5):1248-54. Epub 2006 Jan 26.
20. Metwally M. et al, Hyaluronic acid fluid agents for the prevention of adhesions after fertility-preserving gynecological surgery: a meta-analysis of randomized controlled trials. Fertil Steril. 2007 May; 87(5):1139-46.
21. Salman MC, Beksac S, Dogan NU Use of hyaluronic acid for vaginal stenosis in a woman with a history of imperforate hymen and transverse vaginal septum: a case report. Source J Reprod Med. 2009 Jun; 54(6):397-400.
22. Beksac MS, Salman MC, Dogan NU A new technique for surgical treatment of vaginal agenesis using combined abdominal-perineal approach. Case Report Med. 2001; 2011:120175. Epub 2011 Apr 26.
23. Mais V, Cirronis MG, Peiretti M, Ferrucci G, Cossu E, Melis GB Efficacy of auto-crosslinked hyaluronan gel for adhesion prevention in laparoscopy and hysteroscopy: a systematic review and meta-analysis of randomized controlled trials. Eur J Obstet Gynecol Reprod Biol. 2012 Jan; 60(1):1-5. Epub 2011 Sep 25. Review





Adhesion is the formation of abnormal fibrous connection among tissues and organs, and it is scar by nature. Common cause of adhesion are surgical wound, ischemia, inflammation, foreign object or bacteria infection.

Common risk and complications arise from adhesion are small intestine obstruction, chronic pelvis pain, secondary infertility, and even second surgery

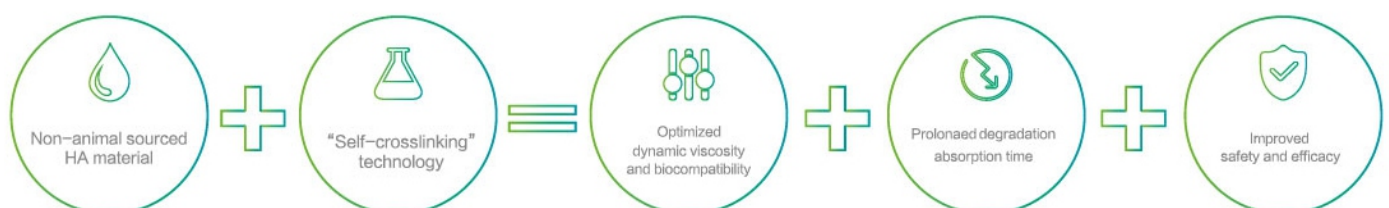


3-dimensional crosslinked network structure



## OUR BIOREGEN ADHESION BARRIER

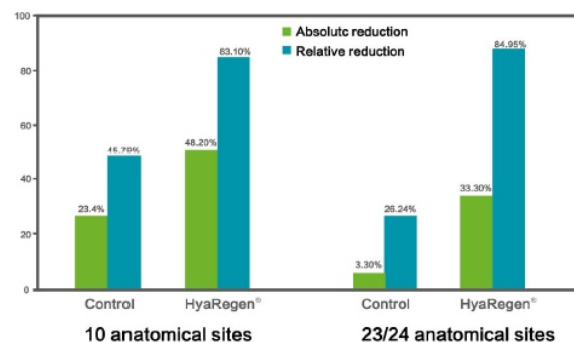
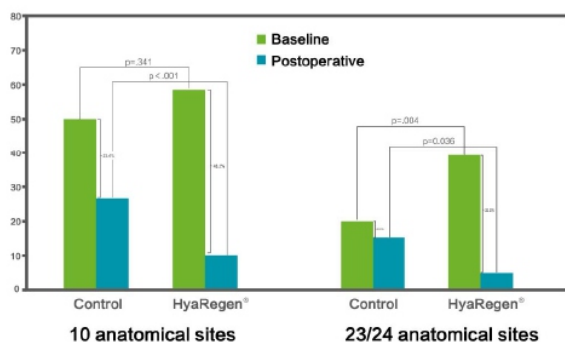
- Wide indication for Abdominopelvic and Intrauterine adhesion barrier
- Effectively prevent adhesion, inhibits tumor cell growth, metastasis and recurrence
- Over 44 international patented crosslinked formulas
- Comes with laparoscopic applicators and various volume configurations





## Clinical Study : Randomized Controlled study on the Efficacy and Safety of new Crosslink Gel in Reducing Adhesion after Gynaecologic Laparoscopic Surgeries

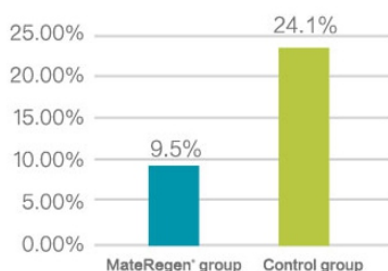
- ☆ Randomized, controlled, multiple center clinical study (Level I).
- ☆ Laparoscopic gynecological surgery; 2nd look laparoscopy at 9 PO weeks.
- ☆ Modified American Fertility Society (mAFS) adhesions scores quantified blindly
- ☆ Adhesions observed in 10 anatomic sites ( ovaries and tubes) and 23/24 sites ( covering entire abdominopelvic cavity)<sup>7</sup>
- ☆ Conclusions: Application of HyaRegen<sup>®</sup> Gel significantly reduced the severity of adhesion



<sup>8</sup>Liu C. et al. A randomized controlled trial on the efficacy and safety of a new crosslinked hyaluronan gel in reducing adhesions after gynecological laparoscopic surgeries. JMIG 2015; 22:853–863.

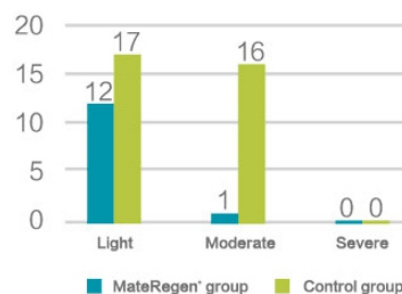
## Clinical Study : Incident of Adhesion between MateRegen vs Control Group

Adhesion incidence p = 0.0012



The adhesion incidence of the MateRegen<sup>®</sup> group was 60.6% lower than that of the control group

Cases of adhesion p = 0.0087



The incidence of mild and moderate adhesion of the MateRegen<sup>®</sup> group was obviously lower than that of the control group

- Used multi-centered, randomized, parallel and negative control
- Enrolled 300 patients with missed abortion
- Study group: MateRegen<sup>®</sup> control group: conventional surgical treatment
- Received hysteroscopy in 3 months after the surgery
- The intrauterine adhesion scoring system of the American Filtration and Separations Society (AFS) is used as the evaluation standard

# NEUROMODULATION

A deep brain stimulation system (DBS) delivers electrical impulses to specific brain areas to restore the balance of circuits that are disrupted, overcoming abnormal activity in that region.



Our one of its kind DBS system is used to treat

Dystonia

Epilepsy

Essential Tremor

Obsessive - compulsive disorder

Parkinson's disease

Addiction



# Product List

## Repair

REX Saint Sages Ultrasonic Dissector with RTTE II	45cm
	36cm
	23cm
	14cm
REX Saint Sages Ultrasonic Controller with RTTE II	-
REX Ultrasonic Scalpel	45cm
	36cm
	23cm
	14cm
REX Ultrasonic Scissors	9cm
REX Ultrasonic Scalpel Transducer	-
REX Ultrasonic Scissors Transducer	-
Disposable Titanium Clip	5mm
	10mm
Disposable Polymer Clips	ML
	L
	XL
Polymer Clips Applicator	ML
	L
	XL
Endoscopic Linear Cutter Stapler	60cm
	160cm
	260cm
Articulating Endoscopic Linear Cutter Stapler Reload (White & Curved Tip)	30mm
Articulating Endoscopic Linear Cutter Stapler Reload	30mm
	45mm
	60mm
Disposable Linear Cutter Stapler (Blue/Green)	60mm
	80mm
	100mm
Disposable Linear Cutter Stapler Reload (Blue/Green)	60mm
	80mm
	100mm
Disposable Circular Stapler	ALL SIZES
Disposable Hemorrhoids Stapler	ALL SIZES

# Product List

## Access

Optical Bladeless Trocar	12mm
	10mm
	5mm
Optical Bladeless Trocar (5 Cannula + 1 Trocar)	5mm
Disposable Wound Retractor	60mm
	80mm
	120mm
	150mm
	200mm
	220mm
	250mm
	270mm
	350mm
Disposable Hand Laparoscopic Instruments (Babcock, Scissors, Maryland and etc)	-
Trumpet Suction with Irrigation 3M	5mm
	10mm
Trumpet Suction with Irrigation with L Electrode 3M	5mm

## Restore

Disposable Speciment Retrieval Bag	30ml
	80ml
	250ml
	350ml
	1000ml
Ligition Loop	-
BioRegen Adhession Barrier	5ml
	10ml



**Dr. Device & Lab**  
**D.D.L. Medical Supplies**



***GET IN TOUCH WITH US***

***[www.drdevicelab.com](http://www.drdevicelab.com)***  
***[drdevicemed@gmail.com](mailto:drdevicemed@gmail.com)***

***Sabah Authorised Representative:***  
***D.D.L. Medical Supplies***

***Ground Floor, Lot 348, Lorong 7A, Jalan Ang Cheng Ho, 93100 Kuching, Sarawak, Malaysia***  
***Tel: 019-6641255***