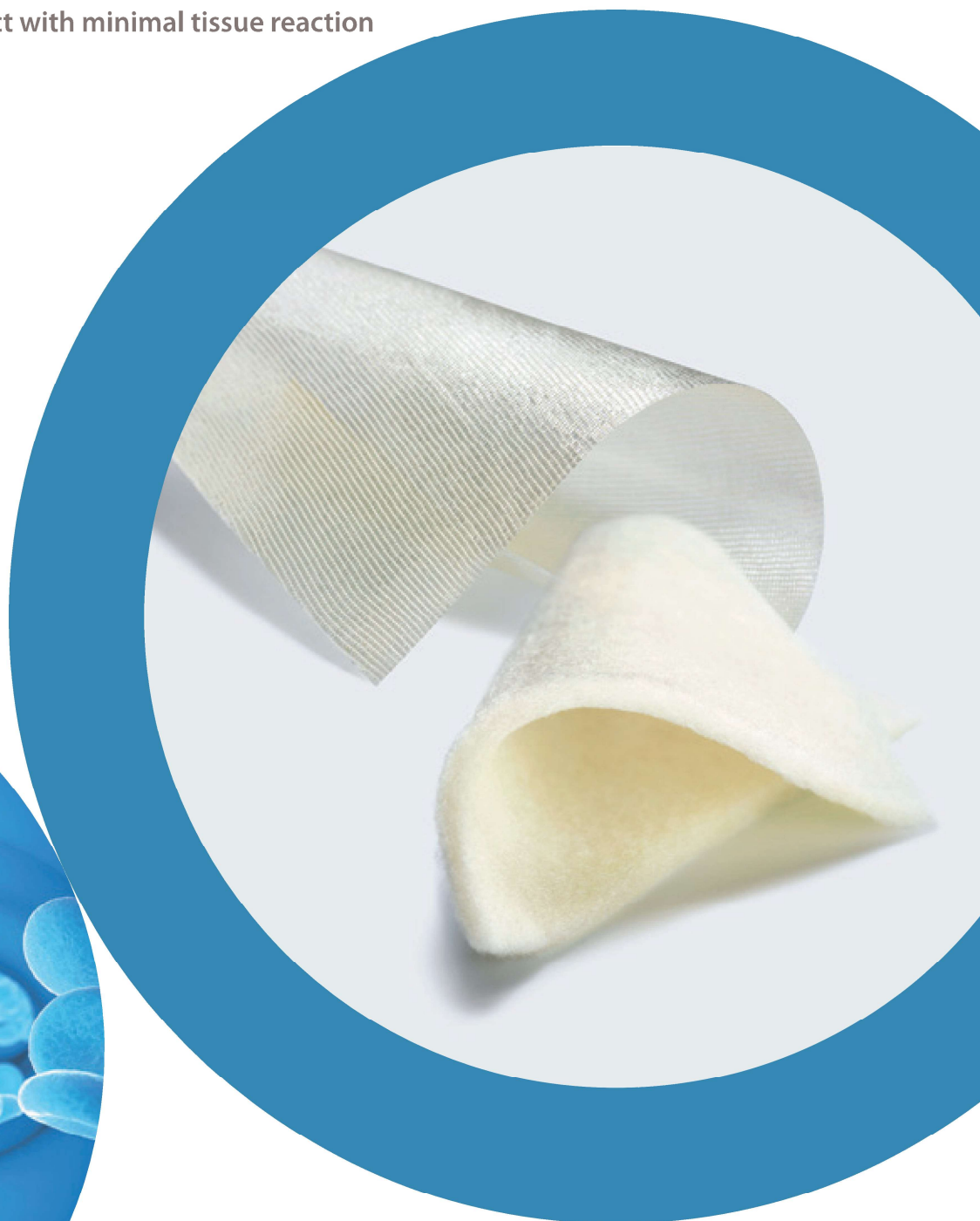


ORC Absorbable Hemostat

SURGIGUARD®

- Oxidized Regenerated Cellulose is proved by FDA for use as hemostatic agent
- ORC Absorbable Hemostat has been long and widely used in a variety of surgeries
- Plant-derived product with minimal tissue reaction
- Antibacterial effect



ORC Absorbable Hemostat

SURGI GUARD®

• SurgiGuard® Original

Standard use



- Good visibility of surgical site due to sheer knit structure
- High flexibility and drapeability
- SurgiGuard® is bactericidal in vitro against a wide range of microorganisms

• SurgiGuard® Fabric

For heavier bleeding



- More dense than SurgiGuard® Original
Suitable for heavier bleeding with faster hemostasis (incl. emergency and trauma)
- Density suitable for suturing
- No fabric memory effect

• SurgiGuard® Fibrillar

Improved conformability



- Easy peels off in any thickness and quantity required
- High flexibility and conformability to surgical site (e.g. irregular shape of wound and hard to reach areas)
- Can be shaped or molded to various shapes for optimal adherence or used in multiple sites

• SurgiGuard® Non-Woven

Maximized effect & superior handling
(both open and laparoscopic surgery)

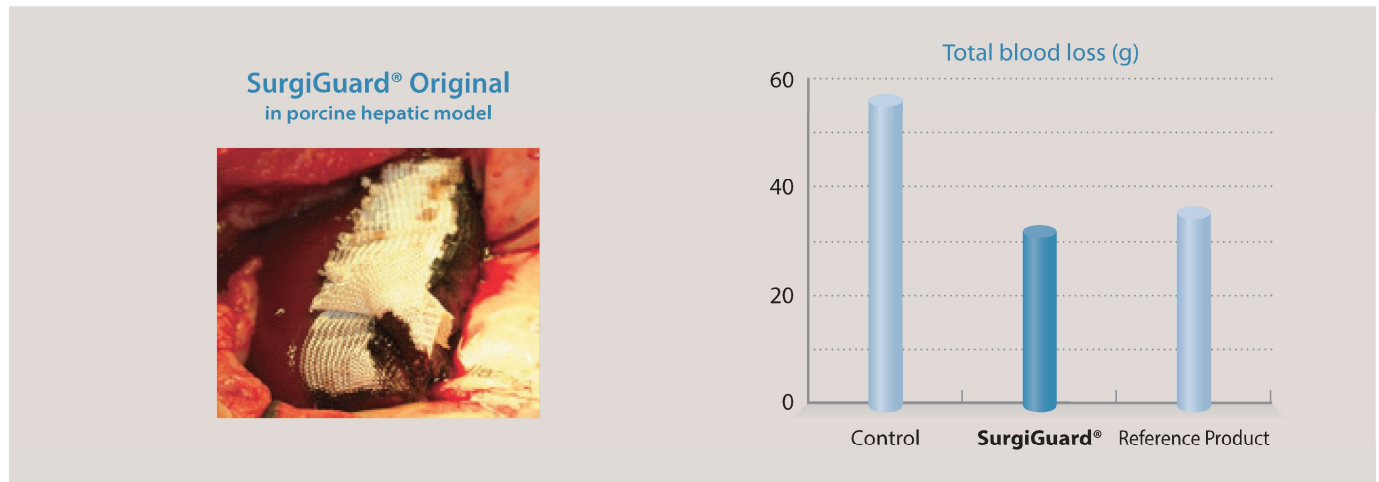


- Non-Woven structure increases surface contact to bleeding site
- More advanced conformability & superior handling
- Easy to deploy and manipulate in laparoscopic surgery

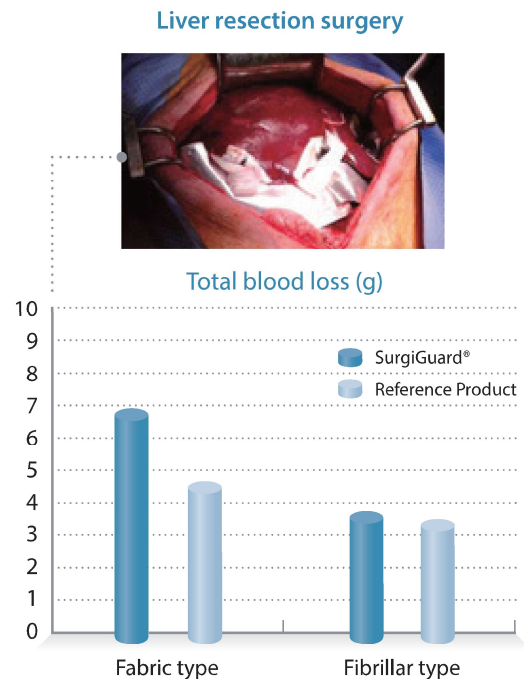
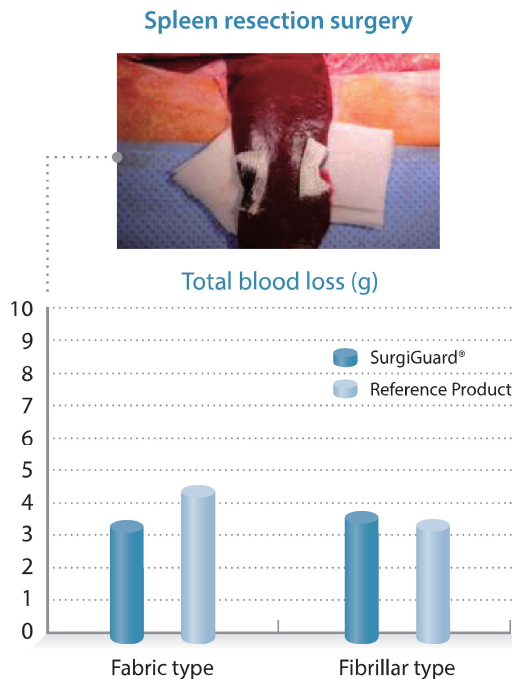


• Efficacy Test - Hemostatic effect is proved in vivo ^{1,2}

SurgiGuard® is proved to be more effective than control and as effective as reference product in achieving hemostasis after liver resection in porcine model



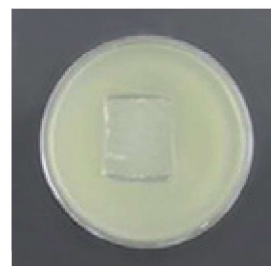
SurgiGuard® is proved to be as effective as reference product in achieving hemostasis in liver and spleen resection surgery in porcine model



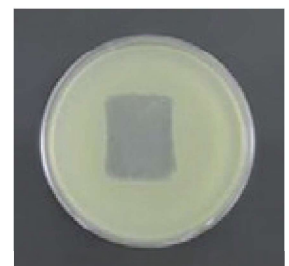
• Antibacterial effect - Help to minimize risk of infection

SurgiGuard® has antibacterial activity in vitro against a broad spectrum of microorganisms including antibiotic resistant bacteria, such as *Methicillin-resistant Staphylococcus aureus* and *Methicillin-resistant Staphylococcus epidermidis* *

* A list of bacteria, against which an antibacterial effect of SurgiGuard® is proven, comprises 21 bacteria: *Staphylococcus aureus*, *Bacillus subtilis*, *Pseudomonas aeruginosa*, *Methicillin-resistant Staphylococcus aureus (MRSA)*, *Methicillin-resistant Staphylococcus epidermidis (MRSE)*, *Escherichia coli*, *Enterococcus faecalis*, *Micrococcus luteus*, *Enterobacter cloacae*, *Serratia marcescens subsp. marcescens*, *Pseudomonas stutzeri*, *Staphylococcus saprophyticus subsp. saprophyticus*, *Corynebacterium xerosis*, *Streptococcus salivarius subsp. salivarius*, *Bacteroides fragilis*, *Streptococcus agalactiae*, *Proteus vulgaris*, *Mycobacterium phlei*, *Proteus mirabilis*, *Clostridium perfringens*, *Streptococcus pyogenes*



Attached sample



After elimination of the sample

¹ Kim S.H., "Efficacy evaluation of SurgiGuard® in partially hepatectomized pigs", Korean J Hepatobiliary Pancreat Surg., 2016

² Kim S.H., "Efficacy of Oxidized Regenerated Cellulose, SurgiGuard®, in Porcine Surgery", Yonsei Med J 2017;58(1)



• Specifications & Package

Type	Product Code	Size(cm)	Packaging Unit
Original 	DMHO201	5 X 7.5	12 pcs/carton
	DMHO202	5 X 35	12 pcs/carton
	DMHO203	10 X 20	12 pcs/carton
Fabric 	DMHN201	5 X 7.5	12 pcs/pouch
	DMHN202	7.5 X 10	12 pcs/carton
	DMHN203	15.2 X 22.9	10 pcs/carton
Fibrillar 	DMHF201	2.5 X 5.1	10 pcs/carton
	DMHF202	5.1 X 10.2	10 pcs/carton
	DMHF203	10.2 X 10.2	10 pcs/carton
Non-Woven 	DMHS201	2.5 X 5.1	10 pcs/carton
	DMHS202	5.1 X 10.2	10 pcs/carton
	DMHS203	10.2 X 10.2	10 pcs/carton

