



AEGIS LIFESCIENCES

PROTECTION THROUGH PERFECTION



2460

FDA

REGISTERED FACILITY



13485

MDSAP

MEDICAL DEVICE SINGLE AUDIT PROGRAM



**ADVANCED
HAEMOSTATIC SOLUTIONS FOR**

**CARDIOTHORACIC & VASCULAR
SURGERIES**



Absorbable Haemostatic Gelatin Sponge is a quick and effective haemostatic agent which stops bleeding fast. It reduces intraoperative bleeding and surgery time. The uniform porosity of SURGISPON® guarantees a favourable haemostasis.

Characteristics:



Secure and speedy haemostasis



Absorbs 45 times its own weight of water/ oxalate blood



Completely absorbed within 4 weeks



Compatible with antibiotics due to neutral pH level



pH-neutral allows it to be added with drugs/thrombin



Easy to Handle when sutured



Conforms to the bleeding surface



Available in powder putty variant to control cancellous bone bleeding¹



Uniform and High porosity for rapid blood uptake



Gamma-sterilized & ready to use

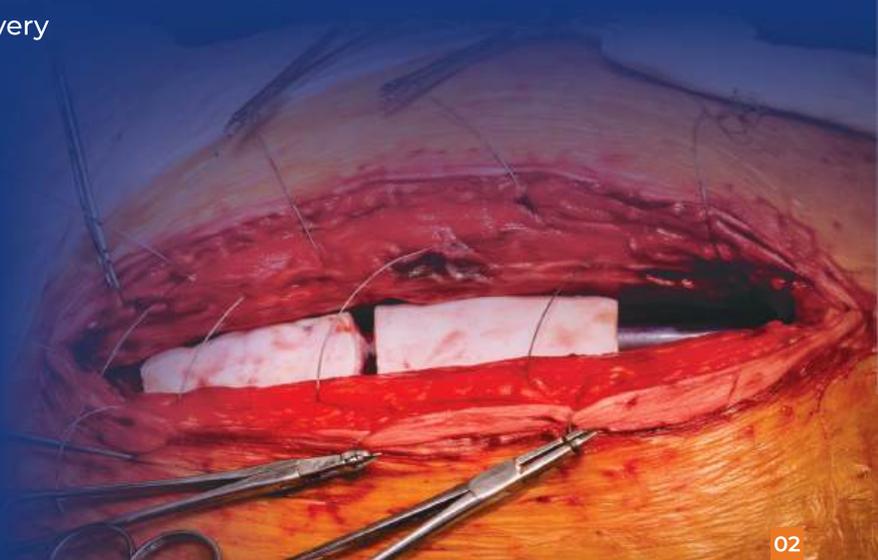
Benefits:

- Lowers the need for blood transfusion¹
- Reduces the rate of reopening or re-exploration¹
- No deep sternal wound infections¹
- Supports clot formation & sternal stability
- Compatible with antibiotics for local delivery
- Gelatin powder is resorbable, mixable and increases ossification²
- Powder creates conforming cast inside sternal bone pores²

Application Areas/Indications:

- Coronary artery bypass grafting surgery (CABG)¹
- Valve replacements
- Sternotomy
- Vascular procedures
- ASD and VSD

Effective in reducing postoperative blood loss as an assistant to conventional operational approaches for controlling hemorrhage from sternal wires¹





Ordering Information



Product ID	Product Name	Dimensions (mm)	Packaging
SSP 805010	Standard	80x50x10	10
SSP 705010	Regular	70x50x10	
SSP 705001	Special	70x50x01	20
SSP 200705	Film	200x70x0.5	10
SSP 100	Size 100	125x80x10	2
SSP 100P	Haemostatic Patch 100	125x80x05	10
SSP 120	Size 120	120x100x10	2
SSP 200P	Haemostatic Patch 200	250x80x05	10



Product ID	Product Name	Specifications	Packaging (Containers/Box)
SSP 01	Powder	01 gm	6 Containers
SSP 03		03 gm	1 Container
SSP 01B	Bellow Powder	01 gm	6 Bellows
SSP 03B		03 gm	
SA-14	Surgi-Powder Applicator™	14 cm	12 pieces



A natural, plant based Absorbable Haemostat made up of Oxidized Regenerated Cellulose, designed to stop capillary, venous and minor arterial bleeding.

Characteristics:



Improves intraoperative Haemostasis



Acts as an anti-adhesive barrier



Completely absorbed within 7-14 days



Secure and speedy haemostasis



Can be trimmed to any desired size



High flexibility and drapability



Conforms to irregular and complex cardiac anatomy³



Low pH Induces localized vasoconstriction & creates bactericidal environment



Absorbs blood, swells to support localized tamponade



Forms a gel-like matrix on contact with blood, creating a mechanical barrier⁶



Acts as a blood-absorbing scaffold



Performs reliably on wet, fragile myocardial tissue⁷

Benefits:

- Easy application & handling³
- Good adherence to target bleeding sites³
- Helps create a dryer surface, allowing better adhesion of sealants and patches⁷
- Myocardial revascularization³
- Supports clot formation & sternal stability³
- Promoting osteo inductive influence¹
- No bacterial growth, reduced infection³
- Reduces need for blood transfusions³
- No serious adverse events (SAEs)³
- Shortens chest-tube removal time⁴
- Effective in acute graft kinking⁴

Application Areas/Indications:

- Coronary artery bypass grafting (CABG)³
- Cardiopulmonary bypass (CPB)³
- Sutureless fixation of long aortocorony saphenous vein grafts (SVG)³
- Myocardial revascularization³
- Mitral valve repair surgery³
- Sternotomy, iliac bone procurement³
- Left ventricular free wall rupture (LVFWR)³
- Valve replacements⁵
- Complex reconstructions³

Oxidized regenerated cellulose was cut and laid along the sternotomy over the intramedullary area before closing the chest



**Non-Woven/
Snow**

Fibril

Knit

**Original/
Standard**

Powder

Ordering Information

Product ID	Dimension (inch)	No. of Pieces / Containers Per Box
Surgi-ORC® Original/Standard		
SOO-0214	2x14	12
SOO-0408	4x8	12
SOO-0203	2x3	12
Surgi-ORC® Knit		
SOK-0203	2x3	12
SOK-0304	3x4	12
SOK-0609	6x9	12
Surgi-ORC® Fibril		
SOF-0102	1x2	12
SOF-0204	2x4	12
SOF-0404	4x4	12
Surgi-ORC® Non-Woven/SNOW		
SON-0102	1x2	12
SON-0204	2x4	12
SON-0404	4x4	12
Surgi-ORC® Powder		
SOP-03	3 gram	5
SOP-05	5 gram	5
SA-14	14 cm	12



FLOGEL® Flowable Gelatin Haemostatic Matrix, is made from absorbable gelatin sponge, into a flowable form as off white (slight yellow) prefilled in a syringe. It is used by applying to a bleeding site that occurs in tight and irregular spaces especially at a difficult to reach site.

Characteristics:



Quick preparation with uniform viscosity



Deliver faster haemostasis at the intended site



Rapid haemostasis and precise application



Ensures firm contact and adherence to the application site



Provides up to 8 hours of effective working time



Biocompatible, resorbed within 4 weeks



Can be added with drugs/thrombin



Enables precise delivery to hard-to-reach anatomical sites



Conforms to tissue, staying in place even in irregular crevices during active bleeding⁸



Effective on both bone and soft tissue

Benefits:

- Reduce blood loss & transfusion levels¹
- In case of infection and mediastinitis¹
- Decrease in sternal bleeding¹
- Easy irrigation¹⁰
- Low rate of postoperative complications¹¹
- Allow surgeons versatility with delivery and effective tissue contact¹²
- Lower rate of surgical revision¹¹
- Conforms to the shape of anatomy like deep lesions¹²
- Lower rate of reopening for bleeding and total blood drainage¹²
- Effective at high-pressure coronary anastomosis sites⁸

Application Areas/Indications:

Surgery :

- Coronary artery bypass Grafting
- Vascular and cardiac surgery
- Valve procedures (replacement or repair)

Sternotomy :

- At internal mammary artery, saphenous vein or radial artery graft harvesting
- Pericardiotomy and heart manipulation
- Aortocoronary bypass



HAEMOSTATIC MATRIX PREPARATION



Take Sterile saline / thrombin solution – transfer sterile solution into the sterile liquid transfer cup. Draw up the sterile solution into the empty syringe



Connect the syringes – Remove cap from **FLOGEL®** Matrix prefilled syringe and attach this syringe to the sterile syringe carrying sterile solution, through luer connector



Mix the contents of syringes – Begin mixing by pushing the sterile saline solution into the **FLOGEL®** Prefilled Syringe. Continue exchanging until even consistency is achieved (approximately 6 to 10 times)



Ready for clinical use – attach applicator to syringe comprising final prepared matrix



Ordering Information:

Product ID	Product Name	Minimum Deliverable Volume	Packaging (Kit/Box)
FG-005	Flogel	5ml	1
FG-006	Flogel	6ml	1
FG-008	Flogel	8ml	1
FG-010	Flogel	10ml	1

Do not Inject **FLOGEL®** Haemostatic Matrix into blood vessels.

Comprehensive Haemostatic Solutions for Cardiothoracic & Vascular Surgery

Our specialized haemostatic portfolio offers reliable bleeding control for demanding cardiac surgeries.

SURGISPON®, an absorbable gelatin sponge and powder, delivers rapid haemostasis through uniform porosity and high fluid uptake (up to 45× its weight). It is pH-neutral, compatible with thrombin or antibiotics, supports sternal stability, and is fully absorbed within four weeks.

Surgi-ORC®, a plant-based oxidized regenerated cellulose, forms a gel-like matrix upon contact with blood. Providing effective tamponade even on wet myocardial tissue. Its low-pH environment helps reduce infection risk, while high flexibility allows conformity to irregular cardiac surfaces. It is fully absorbed within 7–14 days.

FLOGEL® Flowable Gelatin Haemostatic Matrix is designed for precise application in confined or irregular sites. Delivered via syringe, it maintains uniform viscosity and ensures firm contact at high-pressure coronary anastomosis sites. Biocompatible and fully resorbable, **FLOGEL®** provides effective haemostasis during active bleeding and is absorbed within four weeks.

- (1) The Role of Absorbable Gelatin Sponge (Gel Foam) in Control of Sternal Bleeding during Cardiac Surgery <https://ejhm.journals.ekb.eg/>
- (2) Use of gelatin powder added to rifamycin versus bone wax in sternal wound hemostasis after cardiac surgery - doi:10.1510/icvts.2005.126250
- (3) Assessing the hemostatic effectiveness and safety of Surgicel® powder in complex cardiac surgeries: A retrospective case-series from a single surgeon at a tertiary hospital
DOI: <https://www.doi.org/10.33545/26649020.2025.v7.i1b.105>
- (4) Evaluation of hemostatic efficacy and safety of oxidized regenerated cellulose (Pahacel®) in coronary bypass surgery - DOI: 10.24875/CIRU.23000535
- (5) Oxidized regenerated cellulose in cardiac computer tomography imaging doi:10.1510/icvts.2010.260547
- (6) Comparison of sternal intramedullary bleeding prevention strategies in cardiac surgery doi:10.3906/sag-1207-9
- (7) ORC surgical - Successful sutureless repair of multiple left ventricular free wall ruptures due to Takotsubo cardiomyopathy; a case report doi.org/10.1186/s40792-024-01848-3
- (8) Hemostatic efficacy of a flowable collagen-thrombin matrix during coronary artery bypass grafting: a double-blind randomized controlled trial doi.org/10.1186/s13019-023-02196-3
- (9) Controlled Clinical Trial of a Novel Hemostatic Agent in Cardiac Surgery
- (10) Cost-consequence analysis of different active flowable hemostatic matrices in cardiac surgical procedures - DOI: 10.1080/13696998.2017.1284079
- (11) Prospective, Randomized Clinical Trial of the FloSeal Matrix Sealant in Cardiac Surgery - doi:10.1016/j.jathoracsur.2009.07.014
- (12) Real-World Outcomes of Hemostatic Matrices in Cardiac Surgery doi.org/10.1053/j.jvca.2014.05.010



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BROCHURE



WEBSITE



YOUTUBE

AL/BRC/GEN/CAR/01/R1 | Date: 03/2026

Important: The selection and use of the product should be based on the surgeon's clinical expertise and the specific requirements of the surgical site. Please refer to the Instructions for Use (IFU) for complete information on instructions, contraindications, warnings, and precautions.