Sangustop®
Your choice in hemostasis
Based upon decades of experience in producing efficacious hemostats, B. Braun has developed a new product: Sangustop®.

Sangustop® is specially indicated for severe bleeding that may occur during certain surgeries; e.g. when parenchymal organs are involved.

A new choice for bleeding treatment

- Sangustop® can be used in all types of bleeding from oozing to severe haemorrhages.
- Sangustop® can be easily used in open and MIS Surgery.
- Sangustop® does not contain any human component, reducing the documentation workload for the hospitals.
- Sangustop® can be combined with fibrin glues¹ and antibiotics².

Sangustop®
Your choice in hemostasis

**Sangustop** is made of high density bovine collagen fibres, which give the product a microporous structure.

Collagen is a well-known initiator of platelet aggregation and thus an accelerator of hemostasis.3,4

Collagen is a biocompatible material that can be absorbed by the body within approximately 3 weeks as a result of phagocytosis and enzymatic degradation.

---

**Easy handling in Open and MIS surgery:**

- Ready to use approach: no need for pretreatment steps
- Excellent adhesion to bleeding surfaces: just apply light pressure onto the wound
- Both sides equally active: simple positioning of the product
- Adaptable to any type of structure: from plain surfaces to anastomoses
- Very easy to use in minimal invasive surgery: *Sangustop® maintains consistency after being introduced through the trocar*

---


ESSCALIVER STUDY:

Comparison of the Efficacy and Safety of Sangustop® as Haemostatic Agent Versus a Carrier-Bound Fibrin Sealant During Liver Resection (Tachosil®)

- Prospective, randomized, multicenter, non inferiority study.
- Evaluation of the haemostatic effect (after 3, 5 and 10 minutes) and the safety of the collagen haemostatic agent Sangustop® compared to a carrier-bound fibrin sealant (Tachosil®) during liver resection.
- N = 127 patients (62 Sangustop®, 65 Tachosil®)

Effectiveness:

Percentage of patients (%) where haemostasis has been achieved

Safety:

The rate of adverse events was comparable in both study arms. Concerning bile leakages and biliomas no significant differences between both treatment groups were determined.

Sangustop® has shown the same effectiveness and safety compared to the carrier-bound fibrin sealant (Tachosil®). In addition it is a cost-effective hemostat, that offers an easy handling in open surgery and MIS procedures.

5 Moench et al. Randomized controlled multicenter trial on the effectiveness of the collagen hemostat Sangustop® compared with a carrier-bound fibrin sealant during liver resection (ESSCALIVER – Study). Langenbecks Arch Surg. 2014; in print.
<table>
<thead>
<tr>
<th>Sizes</th>
<th>Art. No.</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 cm x 8 cm</td>
<td>1069400</td>
<td>1 piece</td>
</tr>
<tr>
<td>5 cm x 8 cm</td>
<td>1069550</td>
<td>2 pieces</td>
</tr>
<tr>
<td>5 cm x 8 cm</td>
<td>1069500</td>
<td>4 pieces</td>
</tr>
<tr>
<td>3 cm x 5 cm</td>
<td>1069600</td>
<td>4 pieces</td>
</tr>
</tbody>
</table>

*Sangustop® can be stored at room temperature.*

*Sangustop® is sterilized by ‘gamma’ irradiation.*