



## One-step Bone Grafting Dental Solution for Socket preservation

# DSI Sponge Graft

### INSTRUCTIONS FOR USE

**DESCRIPTION:** **DSI Sponge Graft** is a porous preformed bone grafting material. It is comprised of highly purified type I bovine Achilles tendon collagen, combined with Syntoss bioactive resorbable graft. Together, it simulate the natural collagen matrix and porous mineral structure of human bone. Syntoss graft will show as radiolucent on the day of placement in a defect site by dental x-ray. 4-6 months later, the defect site will be radiopaque. The exact timing depends on vascularity, patient's age, and quantity of product delivered. DSI collagen sponge with incorporated graft designed to prevent the migration of bone graft particles and connective tissue.

#### **INDICATIONS OF USE**

- Periodontal and general maxillofacial surgery procedures.
- Placed in extraction sockets prior to the insertion of dental implants.
- Repair of intrabony defects and ridge preservation.
- Sinus Augmentation.
- Wound healing post-dental implant surgery.
- Guided Bone Regeneration (GBR) procedures.

#### **INSTRUCTIONS FOR USE**

- **Post-extraction socket preservation:**

1. Curettage, debridement, and enucleation is performed to remove pathogens. Basic surgical techniques are necessarily the surgeon's responsibility.
2. Sponge Graft Plug is designed specifically for socket preservation following tooth extraction. Remove with sterile forceps from the packaging, cut, if necessary, and deliver into the socket.
3. Press to conform to the site. Place the remaining pieces, if any, over the socket.
4. Gauze can be used to compact the product and remove excess blood. Cross-suture the tissue over tooth extractions.

- **For sinus lifting:**

1. Cut and soak several **Sponge Graft** Plugs with the patient's blood or sterile saline.
2. Fill the sinus cavity and place it up against the new designated sinus floor.
3. Cut the plug in two, cover the surgical sinus window, and suture.

- **For large buccal cortical defects, ridge augmentations and onlay grafting:**

The cortical bone is decorticated and perforated to accelerate blood and cell delivery from the endosteum. Avoid major landmarks during perforation (e.g., neighboring roots, mandibular canal, sinus, trigeminal nerves,

mental foramen, etc.). Cut and deliver the **Sponge Graft** plug dry for better control and adaptability. Cover the site if necessary and suture. Screws or bone tacks can be used to secure the larger parts.

• **Post-op:**

Ice bags after surgery are recommended. Basic oral hygiene with warm salt water rinse twice daily. No topical tooth brushing at the wound site. Refrain from use of waterpik systems.

**CAUTION:** Clinicians should be familiar with periodontal therapy, bone augmentation, and implant procedures. Improper technique may result in compromised results. Do not use beyond indicated applications.

**CONTRAINDICATIONS:** The product contains bovine collagen material and may be contraindicated in patients with a history of allergic reactions to bovine collagen-derived products.

**Do not use with:**

- Patients with acute infection in surgical site or oral wound cavity with existing acute or chronic infection, as well as any systemic or autoimmune disease or complications.
- In surgical sites with inflammatory bone diseases such as osteomyelitis.
- In the presence of metabolic or systemic bone disorder.
- Children and pregnant women.
- In a wound complications may occur, including, but not limited to hematoma, edema, swelling and fluid accumulation, tissue thinning, infection, or other complications that are possible with any surgery.

















**STORAGE:** The product should be stored in a dry place with controlled room temperature conditions below 25°C (77°F). Do not freeze or expose to direct sunlight.

**PACKAGING:** Each box contains a product in a double sterile envelope or blister tray.

The product is intended for single use only. Do not use it if the packaging is damaged, torn, or appears opened.

**REF: DS-SG1020**

**SYMBOLS**

	Consult instructions for use		Sterilized using irradiation
	Caution, consult accompanying documents		Medical Device
	Temperature limit		Use by Prescription only
	Keep away from sunlight		Manufacturer
	Keep dry		Catalogue number
	Do not reuse		Batch code
	Do not use if package is damage		Use by
	Do not resterilize		Date of Manufacture

*Failure to comply with the conditions of storage leads to a change of the working characteristics of the material and decrease the shelf life of the material.*

*The manufacturer is not responsible for any loss of quality caused by the failure to comply with terms of transportation, storage and use established by the manufacturer for this product. Responsibility for the use of the material for purposes other than those specified by the manufacturer falls on the user.*