

IVORY DENTIN GRAFT™ – INSTRUCTIONS FOR USE – SYRINGE

1 CAUTION

CAUTION: Federal law restricts this device to sale by or on the order of a dentist or physician. **Carefully read all instructions prior to use:** Failure to observe warnings and precautions noted throughout these instructions may result in complications. Any recommendations within these instructions are designed to serve only as a general guideline and are not intended to supersede institutional protocols or professional clinical judgment concerning patient care.

2 INDICATION

Intended Use:

Ivory Dentin Graft™ is a medical device intended to be used as a bone graft material for the repair or augmentation of bone defects in dental procedures.

Indications for Use:

- Augmentation or reconstructive treatment of alveolar ridge
- Filling of infrabony periodontal defects
- Filling of defects after root resection, apicoectomy, and cystectomy
- Filling of extraction sockets to enhance preservation of the alveolar ridge
- Elevation of maxillary sinus floor
- Filling of periodontal defects in conjunction with products intended for Guided Tissue Regeneration (GTR) and Guided Bone Regeneration (GBR)
- Filling of peri-implant defects in conjunction with products intended for Guided Bone Regeneration (GBR).

3 DESCRIPTION

Ivory Dentin Graft™ is a porcine sourced, biocompatible bone graft material obtained using standardized, controlled manufacturing processes.

It consists of porous granules of hydroxyapatite which retain the natural form of the source porcine dentin and also the natural protein matrix which consists largely of porcine collagen. Ivory Dentin Graft™ undergoes rigorous cleaning during manufacture and is sterilized by gamma-irradiation.

4 CONTRAINDICATIONS

Ivory Dentin Graft™ is contraindicated under the following conditions:

- In the presence of acute inflammation
- In patients with known or suspected hypersensitivity, or allergy, to porcine products
- In patients affected by immunological disorders

The following are relative contraindications:

- Serious bone diseases of endocrine etiology
- Serious disturbances of bone metabolism
- Ongoing treatment with glucocorticoids, mineralocorticoids or with agents affecting calcium metabolism (e.g. calcitonin)
- Severe or difficult to control diabetes mellitus
- Irradiation therapy, chemotherapy or immunosuppressive therapy in the last 5 years
- Malignancies (because the value of diagnostic X-ray examinations in case of a tumor recurrence at the site of the implant is reduced)

5 WARNINGS & PRECAUTIONS

- Do not use product that has damaged or opened packaging, as sterility may be compromised, use of non-sterile product may result in patient injury.
- Do not use product that has expired.
- Ivory Dentin Graft™ is supplied sterile for single use only. The device should not be re-sterilized. Re-sterilizing the product may result in patient injury. Do NOT attempt to re-use the device for more than one patient, as this can cause cross-contamination or infection

pushing the plunger slightly without compressing the Ivory Dentin Graft and then draw solution again from the container into the Syringe.

- 5. Ensure complete wetting of the granules. For the 1-gram device, two retractions of fluid may be necessary. Tap the syringe, as necessary, and confirm visually wetting of the granules.
- 6. Before injecting Ivory Dentin Graft™, remove the Net from the Syringe tip using sterile forceps. Keep the net in the sterile area in case it needs to be re-applied.
- 7. Immediately apply Ivory Dentin Graft™, in areas where the graft can be adequately contained. The defect should be completely filled ensuring good contact with the walls, however excessive pressure or packing of the material should be avoided as this may inhibit host bone growth into the graft. In case of granules jamming, re-apply the net and draw up additional saline or blood into the Syringe and gently tap to loosen granules, expel excess liquid, remove the net, as before and apply to the surgical site.

8. Do not compromise blood supply to the defect area.

9. Overfilling of defects is to be avoided.

10. Moderate pressure may be applied to reduce bleeding.

11. The grafted particles must be packed into a stable form by applying constant gentle pressure. The area is then sutured to close the gum tissue. According to the physician decision a membrane barrier, commonly used in dental practice, may be used to cover the granules in order to prevent granule spread.

12. Dispose of any unused product in accordance with recognized procedures to discard regulated medical waste materials.

Site closure:

- a) Wound closure should ensure complete covering of the graft material, using further flap mobilization if necessary. The flap should be sutured to achieve primary closure without any tension. The defect should be debrided and all granulation tissue removed. The particles should be placed in direct contact with well vascularized, bleeding bone surfaces. Cortical bone should be mechanically perforated to facilitate ingrowth of new blood vessels and bone forming cells. Ensure that the product can be properly stabilized and protected at the graft site. Placement of a membrane over the particulate bone graft would be according to the physician decision based on each particular case.

Application:

8. POST-OPERATIVE CARE

• The Dentist should instruct patients not to apply pressure to the surgical site during the bone healing process.

• The Dentist should inspect and evaluate patients for any allergic response due to the graft.

1. Fill a sterile container with sterile saline solution or patient's blood.

2. Before applying fluids remove the syringe cap. Slightly retract the syringe plunger backwards without fluids and tap loose granules.

3. For complete wetting of the granules hold the tip of the syringe beneath the fluid in the sterile container and then completely retract the plunger to draw the liquid from the container into the Syringe.

4. Expel solution by using thumb pressure,

the graft site should be surgically opened and all the graft granules together with the adjacent tissue should be thoroughly removed by curettage.

9. HOW SUPPLIED /SPECIFICATIONS

Ivory Dentin Graft™ is supplied sterile in a pouch packaged syringe. Different quantities are available per package in order to match the clinical requirements:

Article Number	Product	Weight	Particle Size
IV-050-S	Ivory Dentin Graft™ Syringe	0.50g	300-900µm
IV-100-S		1.00g	300-900µm

10. STORAGE CONDITIONS

- Store protected from direct sunlight or contact with hot surfaces, in a dry, clean and ventilated place at a temperature between +5°C — +30°C / 41°F- 86°F.

11. EXPLANATION OF SYMBOLS

Symbol	Explanation
	Qty. (in grs.) per package
	Federal US law restricts this device for sale by or only on the order of a physician
	The number of the NB next to CE marking
	Manufacturer
	Date of manufacture
	Authorized representative in the European Community
	Use by date
	Batch code
	Catalogue number
	Sterilized using irradiation
	Do not re-sterilize
	Do not use if package is damaged
	Do not re-use
	Keep away from sunlight
	Keep dry
	Consult instructions for use
	Caution
	Non-pyrogenic

12. GENERAL INFORMATION

- Manufacturer: Ivory Graft Ltd. Haarbaah Street 28, Tel Aviv, 6473925, ISRAEL Website: www.ivorygraft.com Email: info@ivorygraft.com
- EAR: Emergo, Prinsessegracht 20, 2514 AP The Hague, The Netherlands
- The SSCP is available in the European Database on Medical Devices (EUDAMED), which can be accessed in the following website: <https://ec.europa.eu/tools/eudamed/>, using the Basic UDI-DI: 7290018472IDG001VG.
- Date of Issue: DD/MM/YYYY

5. AVERTISSEMENTS ET PRÉCAUTIONS

N'utilisez pas un produit qui a été endommagé ou dont l'emballage est ouvert, car la stérilité peut être compromise. L'utilisation d'un produit non stérile peut résulter en une blessure du patient.

N'utilisez pas un produit dont la date d'expiration est dépassée.

6. COMMENT EST-IL FOURNI ? /

- Retirer les granulés est rarement requis; Toutefois, en cas d'infection sévère systémique ou de traumatisme, un retrait précoce de la greffe peut être nécessaire. Dans ce cas, le site de la greffe peut être ouvert de manière chirurgicale et tous les granulés de la greffe doivent être retiré par curetage avec le tissu adjacent.

9. COMMENT EST-IL FOURNI ? /

SPÉCIFICATIONS

Ivory Dentin Graft™ est fourni de manière stérile dans une seringue emballée. Différentes quantités sont disponibles par paquet afin de respecter les exigences cliniques:

Numéro de l'article	Produit	Poids	Taille des particules
IV-050-S	Seringue Ivory Dentin Graft™	0,50 g	300-900µm
IV-100-S		1 g	300-900µm

10. CONDITIONS DE STOCKAGE

- Stockez dans un endroit à l'abri du soleil ou loin de surfaces chaudes, dans un endroit sec, propre et ventilé à une température entre +5°C — +30°C / 41°F- 86°F.

11. EXPLICATION DES SYMBOLES

Symbole	Explication
	Qté (en g) par paquet
	La loi fédérale limite la vente de cet appareil un médecin
	Le nombre de NB à côté du marquage CE
	Producteur
	Date de production
	Représentant autorisé dans la Communauté européenne
	Utiliser avant le
	Code de lot
	Numéro du catalogue
	Stérilisé par rayonnement
	Ne pas stériliser à nouveau
	Ne pas utiliser si l'emballage est endommagé
	Ne pas réutiliser
	Tenir à l'abri du soleil
	Conserver au sec
	Consulter le mode d'emploi
	Avertissement
	Apyrogène

12. INFORMATIONS GÉNÉRALES

- Producteur: Ivory Graft Ltd. Haarbaah Street 28, Tel Aviv, 6473925, ISRAËL Website: www.ivorygraft.com Email: info@ivorygraft.com
- REA: Emergo, Prinsessegracht 20, 2514 AP The Hague, Pays-Bas
- Le SSCP est disponible dans la Base de données des produits médicaux (EUDAMED), qui peut être consultée sur le site Internet suivant: <https://ec.europa.eu/tools/eudamed/>, en utilisant l'UDI-DI basique: 7290018472IDG001VG.
- Date de publication: JJ/MM/AAAA.

