



AmnioTek™-G

Processed Amniotic Membrane

SAFE - VIABLE - STERILE



Introducing the new , innovative addition to the world-wide brand AmnioTek™
Processed dehydrated membrane AmnioTek™-G. This triple thickness 150
microns tissue represents the latest in regenerative biologics technology in sup-
plementing glaucoma surgical applications. ”

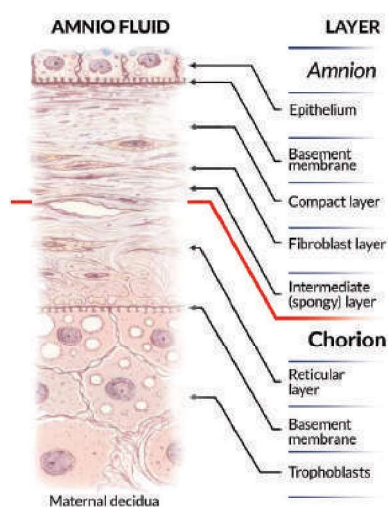


SAFETY | VIABILITY | STERILITY

Dehydradtted AMT has been successfully employed in the surgical treatment of the many ocular surface diseases in well over 1,000,000 cases over the past two decades

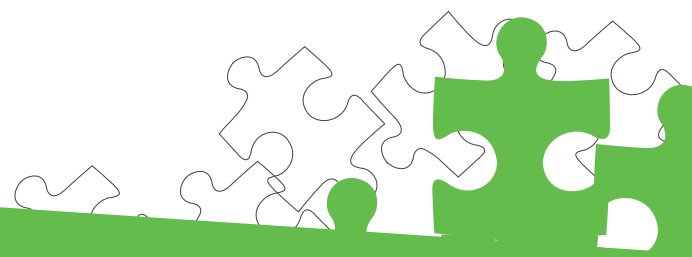
It is delivered 100% sterile , dry with a 3 year-shelf life and stored at room temperature.This greatly reduces storage issues of refrigeration and shipping logistical cost and questions of sterility by other fresh and frozen AMT technologies.

STRUCTURE OF AMNIOTIC MEMBRANE



The human amnion is composed of five distinct layers. It contains no blood vessels or nerves.

The various layer secrete different types of collagen Type IV, V & VII which are present in Extracellular Matrix (ECM). It also has abundant content of specialized proteins such as fibronectin, laminins proteoglycans & glycoproteins which give amniotic membrane is unique healing properties. Also, presence of various growth factors such as Epidermal Growth Factor (EGF), Fibroblast Growth Factor (FGF), TGF- β promote healing & growth in the effected area.



INDICATIONS

Glaucoma Shunt Tube Covering

AmnioTek™-G is the surgical graft for glaucoma specialists because it is transparent, it has high tensile strength and designed thickness. AmnioTek™-G is specifically prepared to cover the three available GDD (glaucoma drainage devices) tube. AmnioTek™-G can reduce surgical times because it does not require rehydration, it is easy to handle vs the other choices for grafting of tissue banked sclera or pericardium. Product has a 3 years shelf life and doesn't need any refrigeration or special storage.

In glaucoma drainage device surgery, ophthalmic surgeons need to manage delayed postoperative complications, such as tubal exposure, as this can potentially result in vision-threatening ocular infection.

AmnioTek™-G is semi-transparent and is valuable as a graft for Over-lay of the GDD tube, it is the low immunogenicity, anti-inflammatory, antimicrobial and antifibrotic properties of AmnioTek™-G during embryogenesis that have created increasing interest over the past 15 years.

“**Recommended by ophthalmologists world-wide**”



The increasing application and applicability of amniotic membrane is one of the most profound Game Changers of the past two decades. Both as a biotherapeutic bandage to promote healing of corneal ulcerations and other ocular surface diseases, as well as a conjunctival substitute in pterygium surgery and a scleral reinforcement for glaucoma tube shunt surgery, amnion has remarkably advanced the ocular surface therapy repertoire to enhance both wound healing as well as structural support.

- **Ken Kenyon, MD** Professor of Ophthalmology at Tufts University School of Medicine.

The use of dry amniotic membrane has revolutionized the way I treat ocular surface issues in my practice. I have used the thicker AMT as a patch graft material as well as a tool to allow healing of erosions and exposures of glaucoma devices. In the office, AMT has helped to rehabilitate the ocular surface patients with problems due to glaucoma medication use.



- **Robert Noecker, MD** Leading ophthalmologist at Ophthalmic Consultants of Connecticut specializing in the medical laser and surgical management of glaucoma and cataracts.



AmnioTek's dehydrated amniotic membrane has significant clinical benefits to my practice and my patients. We have used it with great success in our glaucoma patients with bleb leaks and bleb erosions as well as in patients with ocular surface disease non-responsive to other therapies. Because it is easy to store, not requiring refrigeration, we have a ready supply when these clinical problems occur!

- **Mark A. Latina, MD** Associate Clinical Professor of Ophthalmology at Tufts University Medical School and a Surgeon in Ophthalmology at Mass. Eye and Ear Infirmary.

FAQ

- Q** what is the size of the membrane?
- a** The size of each piece of AmnioTek™-G is 2x2 cm, and one box of AmnioTek™-G has one such piece.
- Q** What is the correct orientation of the graft?
- a** AmnioTek™-G is a triple layered graft and it can be put in any orientation as both surfaces are stromal surfaces.
- Q** What is the shelf life of AmnioTek™-G?
- a** The shelf life of AmnioTek™-G is 3 years in the box. Once the box is opened it has to be used in the same sterile field.
- Q** Is it possible to re-sterilize the membrane once the box is open?
- a** No, the membrane can not be re-sterilized after the packing is open, as sterility is lost once the box is open.



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