

AmnioTek™ 2

Processed Amniotic Membrane
SAFE - VIABLE - STERILE

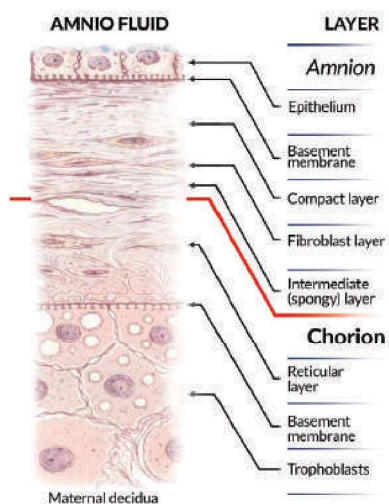
“Introducing the new, innovative addition to the world wide brand AmnioTek™ processed dehydrated membrane - AmnioTek™ 2. This new double thickness 100 micron tissue represents the latest in biologics technology for ocular surface reconstruction.”

SAFETY | VIABILITY | STERILITY

Dehydrated 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

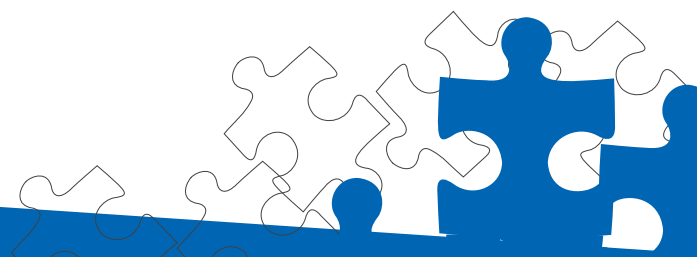
It is delivered 100% sterile, dry with a 3 year-shelf life and stored at room temperature. This greatly reduces storage issues of refrigeration and shipping logistical cost and questions of sterility by other fresh and frozen AMT technologies.

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.





OPHTHALMIC INDICATIONS

Conjunctivoplasty

AMG shows good result as a graft in all pathologies resulting in conjunctival tissue loss, such as large conjunctival defects are difficult to treat, with little conjunctival reserve.

Pterygium excision

AMG shows good results when used in place of autograft, especially in large pterygium where little conjunctival reserve is available.

Fornix Reconstruction

AMG is a viable option for fornix reconstruction. It prevents fornix shortening and is valuable in patients who are unable to retain an ocular prosthesis.

Chemical & Thermal Burns

It is particularly useful in treating ocular surface burns as it promotes better re-epithelization with minimal scarring.

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



“ISP’s dry amniotic membrane, AmnioTek™ has been an indispensable tool in treatment of the most common and difficult ocular surface disorders. It’s ease of application, terrific patient outcomes and 3 year shelf life makes it one of the most important ophthalmic products used both in surgery and in-office.”

- **C. Stephen Foster, MD, FACS, FACR** *president and CEO, Massachusetts Eye Research & Surgery Institution.*

Among the treatments for ocular surface disease, few are as fast-acting, safe and easy to learn as AmnioTek™. It has become an essential part of my practice and has served many of my patients well.



- **Harvey Uy, MD** *Medical Director, Peregrine Eye and Laser Institute, Makati, Philippines.*



I have been using AmnioTek™ both in office and in the operating room. Primarily the office indication has been for non-healing epithelial and neurotrophic ulcers. It has worked extremely well in these clinical indications. In the operative situation: Our corneal surgeons use AmnioTek™ for supplementing areas of conjunctival defects.

- **Wilson Ko, MD** *First Asian ophthalmologist to perform Lasik in NYC (1996) & DSAEK (2003) and to use multifocal, high technology IOL's.*

I have been impressed with the flexibility of the AmnioTek’s amniotic membrane products. They have proven useful in Pterygium surgery, wound repair, managing epithelial defects and poor ocular surface problems. Its long shelf-life and easy storage makes it ideal for locations where environmental conditions may impact medical supplies.



- **Roberto Pineda, MD** *Director, Keratorefractive Surgery Service at Mass. Eye and Ear Infirmary.*

FAQ

- Q** what is the size of the membrane?
a The size of each piece of AmnioTek™ 2 is 3 x 3 cm, one box of AmnioTek™ has one such piece.
- Q** What is the correct orientaton of the graft?
a AmnioTek™ 2 is a double layered graft so it can be put in any orientation as both surfaces are stromal surfaces.
- Q** What is the shelf life of AmnioTek™ 2?
a The shelf life of AmnioTek™ 2 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 membrance once the box is open?
a No, the membrane can not be re-seterilized after the packing is open, as sterility is lost once the box is open.



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