Acellular Dermis Membrane

Acellular Dermis Membrane

Discriptions

Acellular Dermis is processed from donated human allograft tissue that is intended for use in periodontal, E.N.T., Plastic surgery and aesthetics as a dermal filter. It exists in three forms, membranous, micronized powder and gel form (Collagel).

Benefits

- Biocompatibility and no need for hypersensitivity reaction test before usage.
- All human sources are safe and traceable for a long period of time.
- We also screen all donors for serological tests such as ELISA and PCR assays with microbiological culture tests and assuring of tissue safety before processing.
- Good volume enhancement is one of ITP Acellular Dermis characteristics.
- It helps to maintain normal tissue structure and aesthetic reconstruction.

Clinical Application

- Soft tissue augmentation and volume enhancement.
- GTR, GBR, dural defect repairment, herniation repair, mamoplasty, contracture reduction in scar treatment, tympanoplasty, septoplasty, etc …

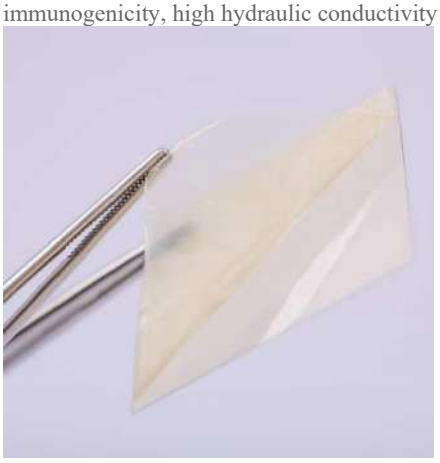
Storage Condition

Store this product at room temperature (15 to 30ºC) for membranous form and 1 to 10ºC for Collagel (Refrigeration is needed.) Avoid excessive heat & humidity. Membranous form has 3 year shelf life and Collagel has 6 month shelf life.

Amniotic Membrane

Discriptions

ITP Amniotic Membrane is obtained under sterile conditions through elective cesarean section after a full-term pregnancy. It is intended for use in wound treatment, ophthalmic, ENT, head and neck and urologic surgeries. ITP Amniotic Membrane has several properties that render it extremely useful as a biomaterial for surgical purposes such as promoting epithelialization, inhibiting fibrosis, anti-angiogenic properties, reducing scarring and inflammation, anti-microbial and anti-viral properties, low or no immunogenicity, high hydraulic conductivity and accelerating wound healing.



Benefits

This product is non-hemolytic and is compatible with surrounding blood cells. It is pH balanced (identical pH to human blood, 7.2)

and is suitable for stem cell and preosteoblast seeding.

Clinical Application

It is used for skin transplantation, wound management e.g. burns (chemical and thermal burns), chronic wounds (bed sores, diabetic ulcers,…), surgical dressing, ophthalmic procedures (ocular surface reconstruction), head and neck surgeries, urologic surgeries (repair of urogenital defects) and ENT surgeries (repair of tympanic membrane).

Storage Condition

Store the lyophilized ***ITP Amniotic Membrane*** at ambient temperature. This product has 4 years shelf life. No refrigeration or freezing is needed.

Store the frozen ***ITP Amniotic Membrane*** in -80°C. The shelf life for this product is 2 years.

DBM Bone Putty

DBM Bone Putty

Discriptions

Regen™ DBM Putty in pre-filled syringes packaging is processed human bone that has been demineralized and combined with sodium hyaluronate. The combination of demineralized bone and sodium hyaluronate results in a putty-like or textured consistency for ease and flexibility of use during surgical application.
An osteoconductive allograft bone matrix with osteoinductive potential, combined with a reverse phase media carrier to offer enhanced handling properties.

Benefits

- Ready-to-use
- Pre-Filled Syringes (PFS) packaging

Clinical Application

- Ridge augmentation
- Filling of cystic defect
- Filling of extraction sites
- Filling of lesions of periodontal origin
- Craniofacial augmentation
- Filling of defects of Endodontic origin
- Mandibular reconstruction
- Repair of traumatic defects of the alveolar ridge, excluding maxillary and mandibular fracture
- Filling resection defects in benign bone tumors, benign cysts or other osseous defects in the alveolar ridge wall

Fascia Lata

Discriptions

Fascia Lata is processed from donated human allograft tissues. This allograft has mechanical strength and resistance to tearing. Because of its flexibility and adhesive properties, it can be easily adapted to the defect site.

Benefits

This product is non-hemolytic and is compatible with surrounding blood cells. It is pH balanced (identical pH to human blood, 7.2)

and is suitable for stem cell and preosteoblast seeding.

Clinical Application

It is used for periodontal, plastic, ENT surgeries, soft tissue reconstruction, reconstruction of rotator cuff, anterior cruciate ligament, posterior cruciate ligament (used as tendon to repair injury), dural defect repair, hernia repair, bladder neck suspension, blepharoplasty and etc.

Storage Condition

Store this product at ambient temperature (max. 4 years shelf life). Avoid excessive heat and humidity. No refrigeration or freezing is needed.

MBA Chips

Discriptions

Chips Allograft is processed from cancellous or cortical – cancellous bone. Mineralized bone matrices provide a biocompatible osteoconductive matrix that support new bone formation.

Benefits

This product is non-hemolytic and is compatible with surrounding blood cells. It is pH balanced (identical pH to human blood,

7.2) and is suitable for stem cell and preosteoblast seeding.

Clinical Application

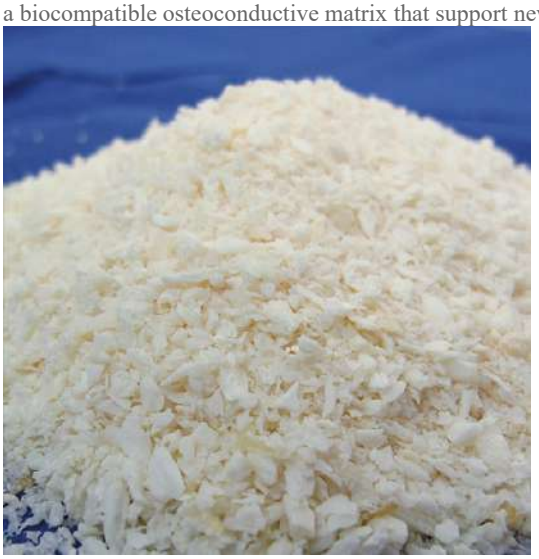
Storage Condition

Store this product at room temperature. No refrigeration or freezing is needed. MBA products have 5 years shelf life.

MBA Crushed

Discriptions

Crushed Mineralized Freeze Dried Bone Allograft is processed from cortical-cancellous bone. Mineralized bone matrices provide a biocompatible osteoconductive matrix that support new bone formation.



Benefits

This product is non-hemolytic and is compatible with surrounding blood cells. It is pH balanced (identical pH to human blood, 7.2)

and is suitable for stem cell and preosteoblast seeding.

Clinical Application

It is used for bone augmentation in orthopedics, periodontics, oral and maxillofacial surgeries, neurosurgery, E.N.T, plastic and reconstructive surgeries.

Storage Condition

Store this product at ambient temperature (max. 4 years). No refrigeration or freezing is needed.

MBA Granule

Discriptions

Mineralized Freeze Dried Bone Granule Allograft is processed from cortical-cancellous bone. Mineralized bone matrices provide a biocompatible osteoconductive matrix that support new bone formation.

Benefits

This product is non-hemolytic and is compatible with surrounding blood cells. It is pH balanced (identical pH to human blood,

7.2) and is suitable for stem cell and preosteoblast seeding.

Clinical Application

It is used for bone augmentation in orthopedics, periodontics, oral and maxillofacial surgeries, neurosurgery, E.N.T, plastic and reconstructive surgeries.

Storage Condition

Store this product at ambient temperature (max. 4 years). No refrigeration or freezing is needed.

MBA Matchsticks

Discriptions

Regen™ Matchstick is processed from cancellous or cortical – cancellous bone. Mineralized bone matrices provide a biocompatible osteoconductive matrix that support new bone formation.

Benefits

This product is non-hemolytic and is compatible with surrounding blood cells. It is pH balanced (identical pH to human blood,

7.2) and is suitable for stem cell and preosteoblast seeding.

Clinical Application

- Spinal fusion
- Oral and maxillofacial reconstruction
- General orthopaedic reconstruction

Storage Condition

Store this product at room temperature. No refrigeration or freezing is needed. **MBA *products*** have 5 years shelf life.

Achilles Tendon

Achilles Tendon Allograft

Discriptions

Achilles Tendon, available with bone block, without bone block, and with a pre-shaped bone dowel, Tendon allografts remain an excellent repair option for any ligament repair procedure where prior reconstructions have failed or where tendon ruptures or tears are present.

Returning to an active lifestyle after an anterior or posterior cruciate ligament tear is possible. The Achilles tendon can be used for the reconstruction of ACL,PCL or tendon soft tissue augmentation. Tendon allografts remain an excellent repair option for any ligament repair procedure where prior reconstructions have failed or where tendon ruptures or tears are present.

Benefits

Can be used for a variety of clinical applications

Can be trimmed to accommodate physician’s surgical procedure

Allows for bone to bone interface

Clinical Application

- Anterior Cruciate Ligament Reconstruction
- Posterior Cruciate Ligament Reconstruction
- Achilles Tendon Repair
- Tendons soft tissue augmentation

Storage Condition

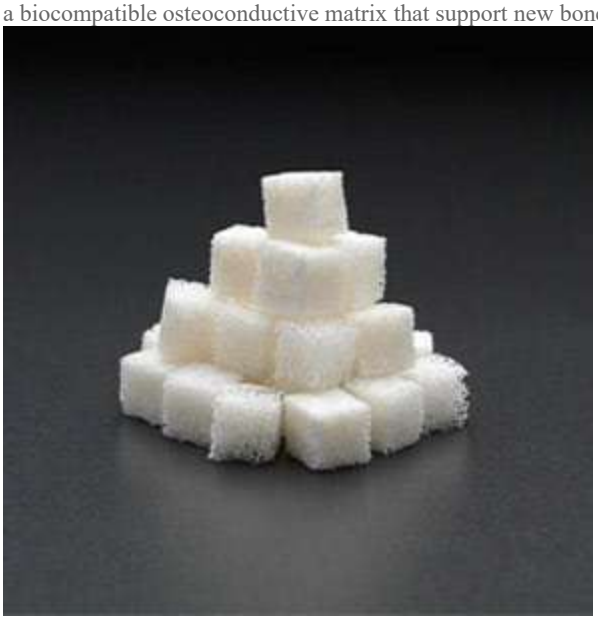
Storage at -80 ºC

Cancellous Cubes

Discriptions

Tissue donation in all settings is purely altruistic. Tissues for transplantation are mainly procured from deceased donors after obtaining consent from next-of-kin. There are also a few types of tissues which are prepared from living donors such as Amniotic Membranes. Tissue transplantation is fundamentally life-enhancing and in some cases life-saving therapeutic modality. More than a million patients globally take advantage of tissue transplantation each year; nevertheless, the infrastructure for tissue processing and banking is restricted to a number of countries.

Freeze Dried Bone Cube Allograft is processed from cancellous or cortical – cancellous bone. Mineralized bone matrices provide a biocompatible osteoconductive matrix that support new bone formation.



Benefits

This product is non-hemolytic and is compatible with surrounding blood cells. It is pH balanced (identical pH to human blood,

7.2) and is suitable for stem cell and preosteoblast seeding.

Clinical Application

It is used for bone augmentation in orthopedics, spinal, maxillofacial, neurosurgery, plastic and reconstructive surgery.

Storage Condition

Store this product at ambient temperature (max. 4 years). No refrigeration or freezing is needed

Femural Shaft

Discriptions

Regen™ cortical/cancellous allograft shafts, processed to provide structural support to restore segmental bone loss.

Benefits

- **Osteoconductive:** Natural bone matrix facilitates cell attachment and proliferation, and vascular in-growth
- **Structural:** Cortical plate provides immediate structural suppor

Clinical Application

- Common Surgical Applications: Cervical fusion/corpectomy or general orthopaedic reconstruction
- Joint Arthroplasty
- Tumor Resection and Reconstruction
- Fracture Management
- Deformity Correction
- Corpectomy
- Anterior Cervical Fusio

Storage Condition

Preservation Method: Lyophilized
Containers must be stored at ambient temperature

Preservation Method: Frozen
Containers must be stored at -40°C or colder

Iliac Crest wedge

Iliac Crest wedge

Discriptions

Tricortical iliac crest wedge, designed to provide immediate structural support and restore segmental bone loss

Benefits

Osteoconductive: Natural bone matrix facilitates cell attachment and proliferation, and vascular in-growth

Structural: Tricortical plate provides immediate structural support

Sterile: Sterilized using Gama X-ray

Convenient: Implant is pre-sized to fit a variety of applications and minimize prep time in the operating room

Clinical Application

- Anterior Cervical Fusion
- Discectomy
- High Tibial Osteotomies
- Pelvic Osteotomies
- Foot & Ankle Osteotomies
- Fracture Management
- Glenoid Reconstruction
- Anterior Cervical Discectomy and Fusion
- Corpectomy

MBA Cube

Discriptions

Mineralized Freeze Dried Bone Cube Allograft is processed from cancellous or cortical – cancellous bone. Mineralized bone matrices provide a biocompatible osteoconductive matrix that support new bone formation.

Benefits

This product is non-hemolytic and is compatible with surrounding blood cells. It is pH balanced (identical pH to human blood,

7.2) and is suitable for stem cell and preosteoblast seeding.

Clinical Application

It is used for bone augmentation in orthopedics, spinal, maxillofacial, neurosurgery, plastic and reconstructive surgery.

Storage Condition

Store this product at ambient temperature (max. 4 years). No refrigeration or freezing is needed.

MBA Matchsticks

Discriptions

Regen™ Matchstick is processed from cancellous or cortical – cancellous bone. Mineralized bone matrices provide a biocompatible osteoconductive matrix that support new bone formation.

Benefits

This product is non-hemolytic and is compatible with surrounding blood cells. It is pH balanced (identical pH to human blood,

7.2) and is suitable for stem cell and preosteoblast seeding.

Clinical Application

- Spinal fusion
- Oral and maxillofacial reconstruction
- General orthopaedic reconstruction

Storage Condition

Store this product at room temperature. No refrigeration or freezing is needed. **MBA *products*** have 5 years shelf life.

Meniscus

Discriptions

Tissue donation in all settings is purely altruistic. Tissues for transplantation are mainly procured from deceased donors after obtaining consent from next-of-kin. There are also a few types of tissues which are prepared from living donors such as Amniotic Membranes. Tissue transplantation is fundamentally life-enhancing and in some cases life-saving therapeutic modality. More than a million patients globally take advantage of tissue transplantation each year; nevertheless, the infrastructure for tissue processing and banking is restricted to a number of countries.

Benefits

This product is non-hemolytic and is compatible with surrounding blood cells. It is pH balanced (identical pH to human blood,

7.2) and is suitable for stem cell and preosteoblast seeding.

Clinical Application

patients with a subtotal or total meniscectomy

Patellar Tendon

Patellar Tendon Allograft

Discriptions

Patellar Tendon allow for multiple technique and fixation options in ligament reconstruction procedures. this tendons are avail available in Bone Tendon Bone and also without bone.

Benefits

• Natural bone block allows for multiple fixation types.

• Pre-shaped bone block eliminates the need for intraoperative shaping and may decrease OR time.

• Hemi and Whole BTB’s allow the surgeon to modify the bone block shape in order to meet the need of each individual patient

Tibial Wedge

Tibialis Wedge Allograft

Discriptions

Allograft Wedges are intended to be used for the repair, replacement or reconstruction of musculoskeletal defects by a qualified healthcare professional (i.e., physician). This includes filling bone voids or gaps of the skeletal system (e.g. Evans and Cotton Osteotomies) that are not intrinsic to the stability of the bony structure.

Benefits

- **Osteoconductive:** Natural bone matrix facilitates cell attachment and proliferation, and vascular in-growth
- **Structural:** Cortical plate provides immediate structural support
- **Sterile:** Sterilized using gama x-ray

Clinical Application

- Calcaneal Osteotomies
- Fracture Management
- Foot & Ankle Fusion
- Subtalar Joint Fusion

Cartilage Block

Discriptions

Regen Cartilage is processed from donated human cartilage tissue that is intended for use in periodontal, maxillofacial, orthopedic, ENT and plastic surgeries. We preserve allogenous cartilage in ethanol %60 for easier use. Allogenous cartilage grafts not only

have the advantage of adverting donor site morbidity but also are resistant to infection, resembling autogenous cartilage grafts. Allogenous cartilage grafts resorption is nearly the same as autogenous cartilage grafts.

Benefits

This product is non-hemolytic and is compatible with surrounding blood cells. It is pH balanced (identical pH to human blood, 7.2)

and is suitable for stem cell and preosteoblast seeding.

Clinical Application

ITP Cartilage is used for repairing facial defects and tissue augmentation in plastic surgeries. It is utilized as a nasal implant for both primary and secondary septorhinoplasty surgeries. In general it can be used for functional, traumatic, and aesthetic reconstruction of the nose and is recommended for correction of contour defects and structural support.

Storage Condition

Store Alcohol preserved ITP Cartilage in refrigerator (2-8 °C) for 1 year. It is necessary to check the volume of the alcohol prior to use.

Acellular Dermis Powder

Discriptions

Acellular Dermis is processed from donated human allograft tissue that is intended for use in periodontal, E.N.T., Plastic surgeries and aesthetics as a dermal filter. It exists in three forms, membranous, micronized powder and gel form (Collagel). The advantage of allogenous collagen grafts are: 1- Biocompatibility and no need for hypersensitivity reaction test before usage. 2- All human sources are safe and traceable for a long period of time. 3- We also screen all donors for serological tests such as ELISA and PCR assays and microbiological culture tests, assuring of tissue safety before processing. 4- Good volume enhancement is one of ITP Acellular Dermis characteristics. 5- It helps to maintain normal tissue structure and aesthetic reconstruction. In gel form (Collagel). 1- Its durability is the same as other collagen gels. 2- It also does not have any side effects with little chance for prolonged nodules, granulomas, or delayed allergen reactions. 3- Its administration is easy because this product form is readily available in a syringe and is easy to inject with good flow characteristics. 4- This product fills the space evenly and is malleable yet remains in place, giving reliable early natural results. But there are limited sources for allogenous tissue preparation and its high price worldwide is some of its complications for users (In Iran its price is balanced even lower than xenografts, synthetics and …).

Benefits

This product is non-hemolytic and is compatible with surrounding blood cells. It is pH balanced (identical pH to human blood, 7.2)

and is suitable for stem cell and preosteoblast seeding.

Clinical Application

In membranous form, it acts for soft tissue augmentation and volume enhancement. It is also used for GTR, GBR, dural defect repairment, herniation repair, mamoplasty, contracture reduction in scar treatment, tympanoplasty, septoplasty, etc … In gel form (Collagel), it is used as a dermal filler in plastic surgery and aesthetic procedures.

Storage Condition

Store lyophilized membranous form at ambient temperature (max. 4 years), glycerol-preserved membrane at 2-8ºC (max. 1 year) and Collagel/Collagen powder at 2-8ºC for 6 months.