

LIMACORE

HUMAN AMNIOTIC MEMBRANE ALLOGRAFT

About LimaCore: LimaCore is a dual-layer amniotic tissue allograft, designed to provide a safe, natural, biologic wound covering and protective barrier. LimaCore delivers essential growth factors on a structural protein matrix, with superior handling properties. This allows for easy manipulation and results in a dependable, flexible allograft.

Frontline's proprietary processing method results in large graft sizes with repositionable design, ideal for burn and wound care.

Why Amniotic Tissue?: Amniotic membrane has been used in the treatment of burns and wounds for nearly 100 years⁴⁻⁵. Amniotic membranes are widely used in a multitude of surgical applications and have been shown to reduce bacterial counts and promote healing in infected wounds². The use of amniotic tissue has also been shown to have an inhibitory effect on a diverse panel of bacteria¹.

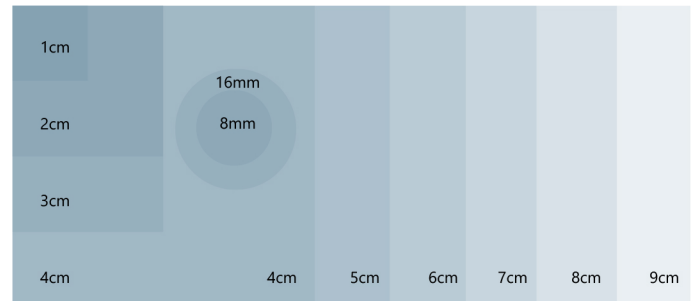
Safety: LimaCore is comprised of donated human tissue that has been screened, recovered and serologically/microbiologically tested at CLIA certified labs in full adherence with FDA, States and AATB requirements. Frontline products are manufactured under strict controls and terminally sterilized with a validated sterilization process to ensure all products meet a SAL of 10^{-6} . Frontline is FDA registered, AATB accredited and licensed by all applicable states. We maintain the highest standards to ensure all products are of the highest quality, safety and effectiveness.

1. Kjaergaard N et al. Antibacterial Properties of Human Amnion and Chorion in vitro. Eur J Obstet Gynecol Reprod Biol. 2000; 94:224-229.
2. Talmi YP et al. Antibacterial Properties of Human Amniotic Membranes. Placenta. 1991; 12:285-288.
3. Fairbairn et al. The clinical applications of human amnion in plastic surgery. J Plast Reconstr Aesthet Surg. 2014. Jan 31. pii:S1748-6815(14)00037-0.
4. Kesting MR et al. The Role of Allogenic Amniotic Membrane in Burn Treatment. J Burn Care Res. 2008;29:907-916
5. Garten A. A closer look at amniotic membrane allografts for wounds. Podiatry Today. Epub 11/12/14.

Product Offering

Type	Item Number	Size
Sheet	FL-LC-23-AC	2x3cm
	FL-LC-33-AC	3x3cm
	FL-LC-34-AC	3x4cm
	FL-LC-44-AC	4x4cm
	FL-LC-46-AC	4x6cm
	FL-LC-48-AC	4x8cm
	FL-LC-66-AC	6x6cm
	FL-LC-69-AC	6x9cm
	FL-LC-616-AC	6x16cm
	FL-LC-920-AC	9x20cm
Disc	FL-LC-16cc-ACD	16mm

Sizing Reference



Ordering Information

Phone: 307-389-0095

Email: orders@flservicesinc.com

www.flservicesinc.com

The Frontline Services LimaCore Product Line is regulated by the FDA under 21 CFR Part 1271 Human Cells, Tissues and Cellular and Tissue-Based Products (HCT/PS). LimaCore is distributed and processed by Stability Biologics®, 1077 Central Pkwy S., Suite 500, San Antonio, TX 78232. Stability Biologics® is registered with the FDA for tissue processing and accredited by the American Association of Tissue Banks (AATB).

6 Los Cruces Trail, Big Spring TX 79720

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PARTICULATE

About LimaCore: LimaCore Particulate is an amniotic tissue allograft, composed of amnion and chorion membrane. LimaCore Particulate is stored at room temperature for ease of use and delivers essential growth factors without the need for cryopreservation.

LimaCore provides a reliable and versatile allograft option for a multitude of procedures including Spine & Orthopedics, Extremity, Vascular, Urological and General Surgery.

Why Amniotic Tissue?: Amniotic Tissue has been used clinically for over 100 years with more than 100 publications to date¹. The use of amniotic tissue is shown to stimulate healing and reduce scar tissue and inflammation. Amniotic tissue grafts have been shown to improve surgical outcomes by reducing fibrosis, preventing adhesions and providing growth factors that aid the healing process.

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Properties of Amniotic Tissue Derived Extracellular Matrix²:

- Anti-inflammatory
- Anti-Fibrosis
- Low immunogenicity

Functions of the Extracellular Matrix³:

- Storage and presentation of regulatory molecules
- Control of cell growth
- Establishment of tissue microenvironments
- Maintenance of cell differentiation

Product Offering

Type	Item Number	Size
Particulate	FL-LC-20mg-ACP	20mg
	FL-LC-40mg-ACP	40mg
	FL-LC-100mg-ACP	100mg
	FL-LC-160mg-ACP	160mg



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1. Fairbairn et al, The clinical applications of human amnion in plastic surgery. J Plast Reconstr Aesthet Surg. 2014. Jan 31. pii:S1748-6815(14)00037-0.

2. Niknejad, H., Peirovi, H., Jorjani, M., Ahmadiani, A., Ghanavi, J., & Seifalian, A. (2008). Properties of the amniotic membrane for potential use in tissue engineering. European Cells and Materials, 7, 88-99.

3. Kumar, V., Fausto, N., Abbas, A. and Mitchell, R. (2008). Robbins basic pathology. Philadelphia, Pa W.B. Saunders, pp.64-79.