Cygnus®

Amniotic Patch Allografts

HARNESS THE NATURAL PROPERTIES OF AMNIOTIC TISSUE

Cygnus®

Cygnus® is a family of amnion patch allografts that may be used as a barrier in numerous clinical application.

The natural properties of amniotic tissue harness growth factors essential for supporting healing and providing mechanical protection.[1,2]

About Cygnus®

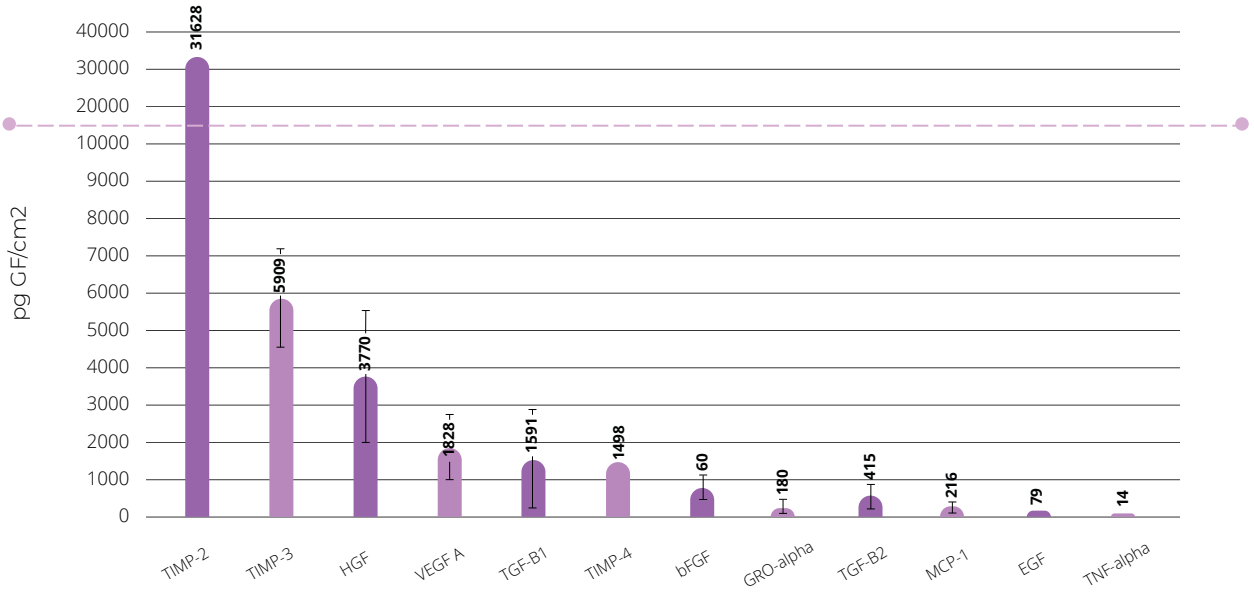
Amniotic membrane is a semi-transparent and resilient membrane that lines the upper cavity of the placenta. Amniotic tissue acts as an immune-privileged protective barrier during fetal development.[1]

Cygnus is applied as an anatomical barrier that helps provide mechanical protection while supporting healing with endogenous growth factors.[1,2,4] The Cygnus proprietary process preserves the natural healing properties of amniotic tissue, maintaining inherent levels of key extracellular matrix molecules, growth factors, and cytokines.[5]

Potential Clinical Applications

- Spine & Neurosurgery
- Orthopaedics
- Foot & Ankle
- Urology
- Wound & Burn Care
- OB/GYN
- Oral Surgery

Growth Factors Released from Cygnus Max after 24 Hours at 37° C



Available in Four Thicknesses

- Requires no up-front preparation
- Hydrates rapidly in the surgical site
- Ambient temperature storage with a 5-year shelf-life
- Notch and orientation stickers to designate placement of the epithelial side upwards
- E-Beam sterilization provides sterility assurance level (SAL) of 10^{-6}

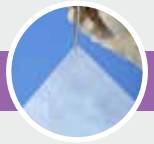
Safety & Versatility

- Amniotic tissue is recovered from healthy mothers who have undergone Cesarean section delivery
- Cygnus is processed in accordance with FDA regulations and AATB standards
- Amniotic tissue has been used for over 100 years with well-documented clinical success[3]

Cygnus Solo

- Traditional single layer amnion allograft
- Derived from the amnion layer of the placental membrane
- Offered in large sizes to meet physician needs
- Ideal for numerous surgical and soft tissue applications

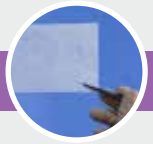
Delivering the PROMISE of regenerative healing



Cygnus Dual

- Dual layer amnion allograft
- Derived from the amnion layer of the placental membrane
- Approximately 2X thicker than traditional single layer amnion
- Available in large sizes for a wide variety of applications

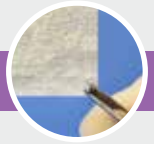
PROPRIETARY dual layer technology



Cygnus Matrix

- Flexible multilayer allograft
- Derived from the amnion and chorion layers of the placental membrane
- Approximately 4X thicker than traditional single layer amnion
- Improved handling and increased workability

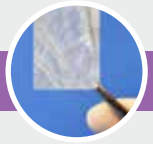
Providing mechanical PROTECTION



Cygnus Max

- Maximum natural thickness allograft
- Derived from the umbilical cord
- Approximately 8X thicker than traditional single layer amnion
- Offers excellent handling characteristics and the ability to be sutured

PRESERVING an array of endogenous growth factors



Cygnus® Solo
Thin

SIZE	CATALOG NO.
1x1 cm	CAS010100S
2x2 cm	CAS020200S
2x3 cm	CAS020300S
3x3 cm	CAS030300S
4x4 cm	CAS040400S
4x6 cm	CAS040600S
4x8 cm	CAS040800S
7x7 cm	CAS070700S
10x10 cm	CAS101000S
2x12 cm	CAS021200S
10x12 cm	CAS101200S

Cygnus® Dual
Dual

SIZE	CATALOG NO.
4x6 cm	CAD040600S
7x15 cm	CAD071500S
8x10 cm	CAD081000S
9x10 cm	CAD091000S
9x11 cm	CAD091100S
10x11 cm	CAD101100S
10x12 cm	CAD101200S

Cygnus® Matrix
Medium

SIZE	CATALOG NO.
1x1 cm	CAP010100S
2x2 cm	CAP020200S
2x3 cm	CAP020300S
4x4 cm	CAP040400S
4x6 cm	CAP040600S
4x8 cm	CAP040800S

Cygnus® Max
Thick

SIZE	CATALOG NO.
1x2 cm	CAM010200S
2x2 cm	CAM020200S
2x3 cm	CAM020300S
2x4 cm	CAM020400S
3x3 cm	CAM030300S
3x4 cm	CAM030400S
3x6 cm	CAM030600S
3x8 cm	CAM030800S

1. Rowlatt, U. (1979). Intrauterine wound healing in a 20-week human fetus. Virchows Arch A Pathol Anat Histol, 381(3), 353–361.

2. Coolen, N.A. et al. (2010). Comparison between human fetal and adult skin. Archives of Dermatological Research, 302(1), 47–55.

3. Fairbairn, N.G. et al. (2014). The clinical applications of human amnion in plastic surgery, 67, 662-675.

4. Niknejad H, Peirovi H, Jorjani M, et al. Properties of the amniotic membrane for potential use in tissue engineering. Eur Cell Mater. 2008;15:88-89.

5. Delcroix GJ, Namin S, D'Ippolito G, Temple HT, Marshall R. Preserving the natural regenerative potential of amniotic membrane. Vivex Biomedical.

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