

# OBS Dual Layer Tissue Matrix

## Allograft Tissue Matrix Membrane & Disc

### Benefits may include:

- Enhanced wound healing (1-3, 7)
- Reduction of Pain and Inflammation (3)
- Reduction in Adhesions and Scarring (4)
- Anti-microbial properties

### Dual Layer Matrix may include:

- Growth Factors (1, 2, 6)
- Extracellular Matrix (2, 5, 6)
- Hyaluronic Acid (1, 4-6)
- Fibronectin (2)
- Laminin (4)
- Prostaglandins (3)
- Cells (7)

### Safety:

- Recovered during planned Cesarean section
- Complies with all FDA and AATB guidelines
- Sterile to SAL 10<sup>-6</sup>

### References:

- 1 Nyman E., Huss F., Nyman T., Junker J., Kratz G. (2013 Apr), Hyaluronic acid, an important factor in the wound healing properties of amniotic fluid; in vitro studies of re-epithelialization in human skin wounds. *J Plast Surg Hand Surg.* 47(2):89-92
- 2 Adzick N.S., Lorenz H.P., (1994 Jul) Cells, matrix, growth factors, and the surgeon. The biology of scarless fetal wound repair. *Annals of Surgery.*; 220(1): 10-18
3. Gao X., Devoe L.D., Given K.S., (1994 Aug) Effects of amniotic fluid on proteases; a possible role of amniotic fluid in fetal wound healing. *Annals of Plastic Surgery.* 33(2): 128-134; discussion 134-135
4. Bolat F., Kocamaz F., Kulahcilar Z., Yilmaz A., Topcu A., Ozdemir M., Coskun M. (2013 Dec) Investigation of efficacy of mitomycin-C, sodium hyaluronate and human amniotic fluid in preventing epidural fibrosis and adhesion using a rat laminectomy model. *Asian Spine J.* 7(4): 253-9
- 5 Cobanglu U., Kutlu N., Karacal N., Kosucu P. (2005 Dec) Effect of human amniotic fluid on bone healing. *J Surg Res.* 129(2): 283-7
6. Ozgenel G., Filiz G., Ozcan M. (2004 Jul) Effects of amniotic fluid on cartilage regeneration from free perichondrial grafts in rabbits. *Br J Plast Surg.* 57(5): 423-8
7. Rosner M., Hipany K., Shanmugasundaram B., Lubec G., Hengstschlager M. (2012 Jun) Amniotic Fluid Stem Cells: Future Perspectives. *Stem Cells Int.* 2012: 741810



| <b>Product #</b> | <b>Description</b>                          |
|------------------|---|
| <b>CLIN1488</b>  | <b>OBS Dual Layer Tissue Matrix, 1x1 cm</b> |
| <b>CLIN1489</b>  | <b>OBS Dual Layer Tissue Matrix, 2x2 cm</b> |
| <b>CLIN1490</b>  | <b>OBS Dual Layer Tissue Matrix, 2x3 cm</b> |
| <b>CLIN1491</b>  | <b>OBS Dual Layer Tissue Matrix, 4x4 cm</b> |
| <b>CLIN1492</b>  | <b>OBS Dual Layer Tissue Matrix, 4x6 cm</b> |
| <b>CLIN1493</b>  | <b>OBS Dual Layer Tissue Matrix, 4x8 cm</b> |
| <b>CLIN1494</b>  | <b>Tissue Matrix Disc 10mm</b>              |
| <b>CLIN1495</b>  | <b>Tissue Matrix Disc 16mm</b>              |



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