

## Amino Patch

The Amino Patch is an allograft derived from a dual layer of human amnion.

- Benefits of amniotic tissue may include:
  - Enhanced Wound Healing <sup>(1-3,7)</sup>
  - Reduction of Pain and Inflammation <sup>(3)</sup>
  - Reduction in Adhesions and Scarring <sup>(4)</sup>
  - Anti-microbial properties
- May include the following:
  - Growth Factors <sup>(1,2,6)</sup>
  - Extracellular Matrix <sup>(2,5,6)</sup>
  - Hyaluronic Acid <sup>(1,4-6)</sup>
  - Fibronectin <sup>(2)</sup>
  - Laminin <sup>(4)</sup>
  - Prostaglandins <sup>(3)</sup>
  - Cells <sup>(7)</sup>
- Safe
  - Recovered during planned Cesarean section.
  - Complies with all FDA and AATB guidelines.
  - Sterile to SAL 10<sup>-6</sup>



Amnion Patch		
Catalog Number	Name	Description
UB-830	Amnion Patch	1cm x 1cm Membrane
UB-832	Amnion Patch	2cm x 3cm Membrane
UB-833	Amnion Patch	4cm x 4cm Membrane
UB-834	Amnion Patch	4cm x 6cm Membrane
UB-836	Amnion Patch	4cm x 8cm Membrane

## 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



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