

ProS·T·A®

Structural Tissue Allograft

Non-Viable

Terminally Sterilized

4 Year Shelf Life

Intact Tissue Structure

Highly Conformable



Nativus®

PLACENTA PROCESSING SYSTEM

Processed to Preserve Native State of Tissue

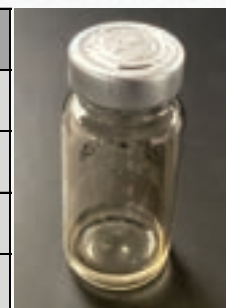
Never Frozen¹ · Never Heated/Dried² · No Chemicals^{2,3}

No Micronization² · No Lyophilization^{4,5}

Minimal Damage or Denaturation of Structural Proteins,
Glycosaminoglycans and Proteoglycans

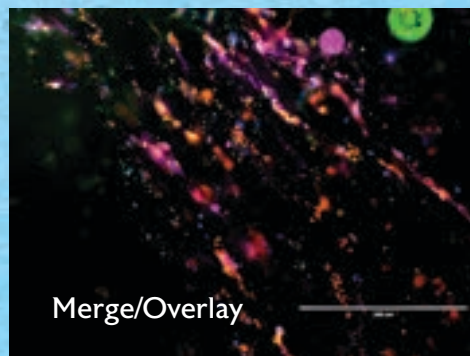
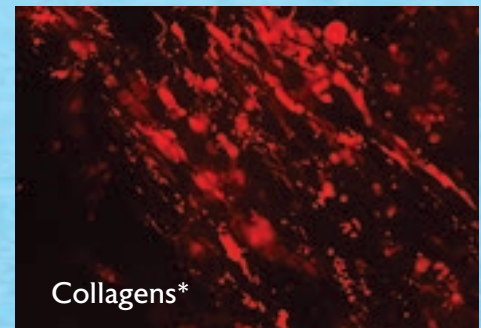
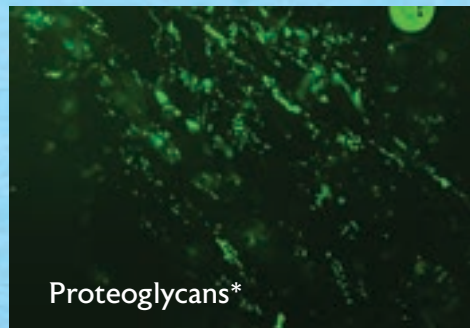
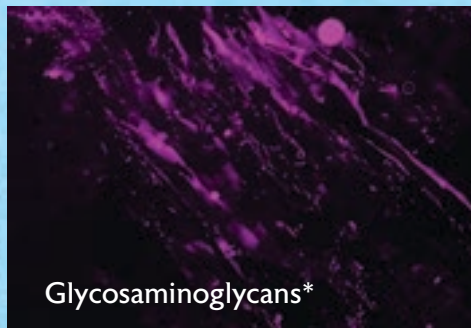
ORDERING INFORMATION

Product Description	Size	Product #
ProS-T-A - Surgical Tissue Allograft, Hydrated, Ready-to-Use, Terminally Sterilized	100mg	STA100
ProS-T-A - Surgical Tissue Allograft, Hydrated, Ready-to-Use, Terminally Sterilized	200mg	STA200
ProS-T-A - Surgical Tissue Allograft, Hydrated, Ready-to-Use, Terminally Sterilized	300mg	STA300
ProS-T-A - Surgical Tissue Allograft, Hydrated, Ready-to-Use, Terminally Sterilized	400mg	STA400



ProS·T·A[®] is an Intact, Human-Derived Network of Loosely Woven, Naturally Synthesized and Highly Specialized ECM Components:

- Presence of specialized GAGs, PGs and collagens in ProS·T·A[®] are key in the retention of water within the tissue construct.
- Retention of water is a critical function of specialized soft tissues.⁶



1. Ozcelikkale, A. & Han, B. Thermal Destabilization of Collagen Matrix Hierarchical Structure by Freeze/Thaw. PloS one 11, e0146660, doi:10.1371/journal.pone.0146660 (2016).
2. Meyer, M. Processing of collagen based biomaterials and the resulting materials properties. BioMedical Engineering OnLine 18, 24, doi:10.1186/s12938-019-0647-0 (2019).
3. Gopinath, A., Reddy, S. M., Madhan, B., Shanmguam, G. & Rao, J. R. Effect of aqueous ethanol on the triple helical structure of collagen. European biophysics journal : EBJ 43, 643-652, doi:10.1007/s00249-014-0994-5 (2014).
4. Vásquez-Rivera, A. et al. Use of sucrose to diminish pore formation in freeze-dried heart valves. Scientific reports 8, 12982, doi:10.1038/s41598-018-31388-4 (2018).
5. Polak, R. & Pitombo, R. N. M. Care during freeze-drying of bovine pericardium tissue to be used as a biomaterial: A comparative study. Cryobiology 63, 61-66, doi:https://doi.org/10.1016/j.cryobiol.2011.05.001 (2011).
6. 6. Cederlund AA, Aspden RM. Walking on water: revisiting the role of water in articular cartilage biomechanics in relation to tissue engineering and regenerative medicine. Journal of the Royal Society, Interface. 2022;19(193):20220364.

Intended Use: Pro STA structural tissue implants are Human Cell, Tissue, and Cellular and Tissue-based products(HCT/Ps). Pro STA is intended for homologous use to supplement or replace damaged or inadequate connective tissue. Pro STA is intended for homologous use to cover, protect or retain fluid.

720.639.9751

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