

# MediVet NanoScaffold



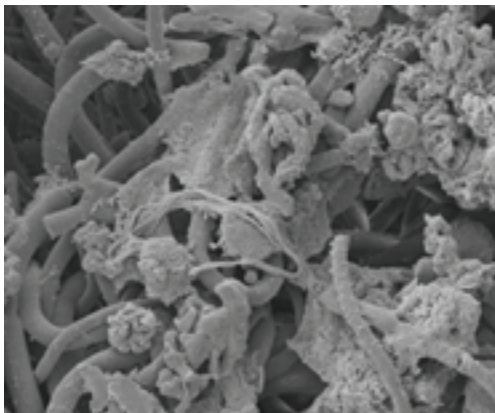
**MediVet is pleased to introduce the MediVet NanoScaffold-** An expansive technology platform used to create multi-layer, 3-dimensional scaffolds used for hundreds of physiological implants including, but not limited to:

- Wound-Care Grafts
- Blood Vessels
- Organs
- Surgical Mesh
- Cartilage

Throughout the development of MediVet's in-clinic adipose-derived stem cell therapy technology, questions arose about placement and longevity of injection cells. Utilizing the **NanoScaffold** adipose kit add-on, MediVet has addressed this question by providing a biological framework for intra-articular injections of regenerative stem cells to adhere to nanoscaffolds—keep cells localized at the area of ailment and increasing the potential of repair in even chronic cases.

## NanoScaffold Properties

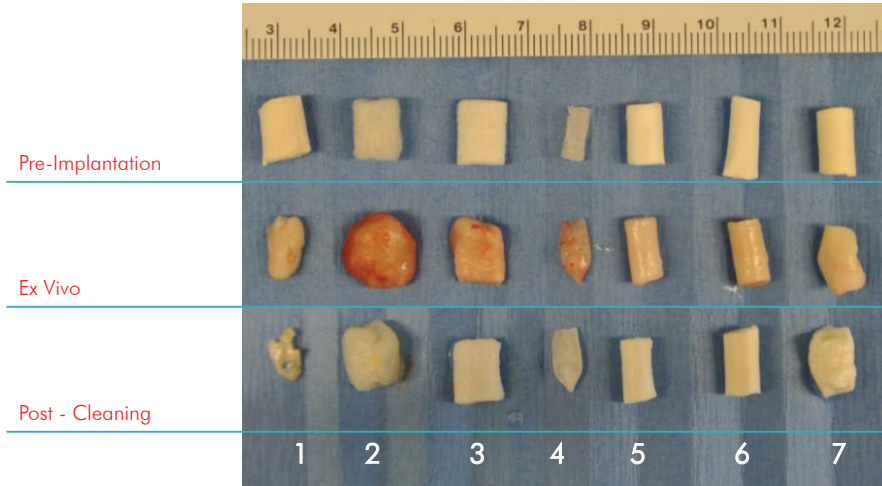
- Fiber Orientation and Cell Orientation/Migration
- Mechanical Properties- Torsional, Pressure, Flex
- Degradation Rates- Biostable or Assimilated
- Cell Differentiation and Multi-Layered Tissues
- Smooth Lumen
- Scaffold Porosity



Left/Right: Stem Cells with NanoScaffolding at 48 hours using SEM imaging/MediVet NanoScaffold in sterile packaging.

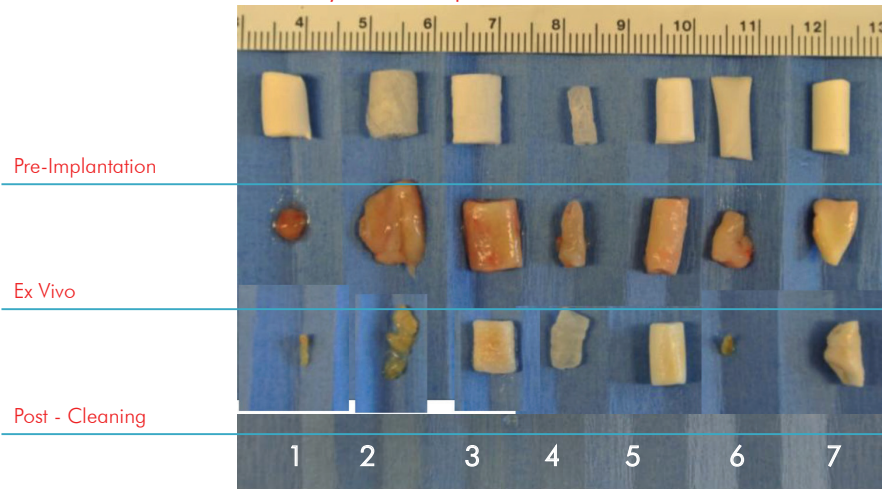
The MediVet NanoScaffold matrix consists of FDA-approved injectable polymers that are 1/200th the size of a strand of human hair. These nanofibers align to guide cell orientation, cell migration, and/or modify mechanical properties, which increases cellular localization in area of ailment. When combined with stem cells and injected into areas with arthritis, joint damage, or muscular adhesions, etc., in vivo resorption period is approximately 6 weeks.

7 Days Post-Implantation



Fiber diameter and scaffold porosity were designed to accommodate MediVet's adipose-derived stromal vascular fraction to achieve optimal biomechanical properties and biostability. Custom degradation rates are also utilized with MediVet NanoScaffolds, capable of creating a biological environment suitable for providing maximum therapeutic response

21 Days Post-Implantation



Product	Description	Price
MediVet NanoScaffold*	1.0 µg	\$50.00
MediVet NanoScaffold	2.0 µg	\$50.00
MediVet NanoScaffold*	3.0 µg	\$50.00

\*1.0 µg and 3 µg kits only available by special order.

**Contact MediVet America today for more information!**

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