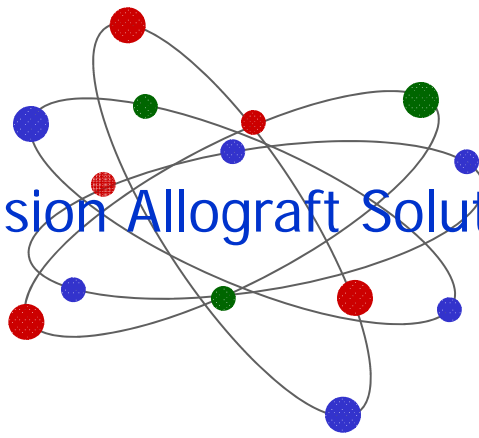


Precision Allograft Solutions

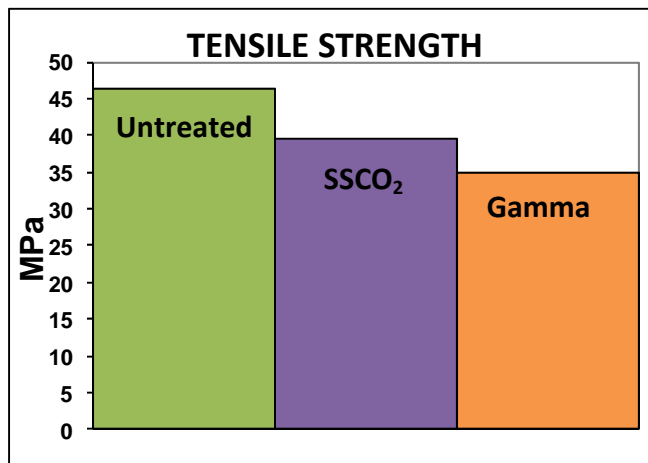


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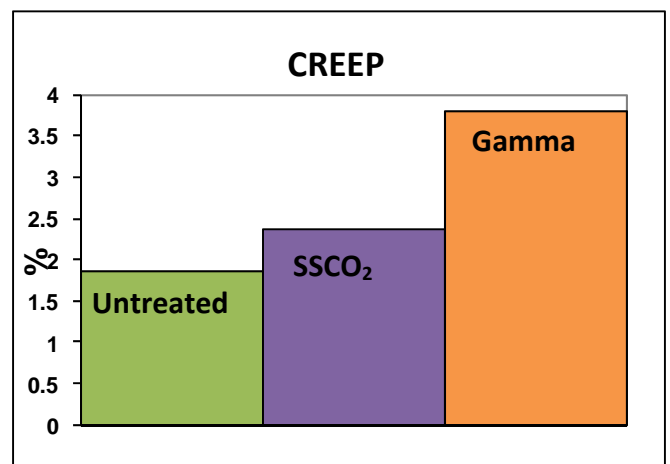
Precision Allograft Solutions and Alamo Tissue Service are proud to introduce the revolutionary **PASCO₂[™] technology**. This technology utilizes *supercritical CO₂ (SSCO₂)* to cleanse and sterilize allograft tissue. In its supercritical state CO₂ can diffuse through solids like a gas, and dissolve materials like a liquid.

PASCO₂[™] technology balances pressure and temperature of SSCO₂ to completely extract blood and lipids from the allografts. The low temperature of the process and the stability of CO₂ allow unwanted compounds to be extracted without compromising the integrity of the tissue.



SSCO₂ sterilized allografts exhibit biomechanical properties closer to those of natural tissues when compared to those treated with gamma irradiation.

Research has shown that allograft tissue sterilized using SSCO₂ better maintain their elastic properties and strength as compared to tissue treated using other, more traditional, sterilization methods.*



*Nichols, A., D.C. Burns, & R. Christopher. "Studies on the sterilization of human bone and tendon musculoskeletal allograft tissue using super critical carbon dioxide," Journal of Orthopaedics, 6, 2009

The **PASCO₂[™]** Technology Advantage

PASCO₂[™] technology thoroughly inactivates pathogenic microorganisms and achieves a sterility assurance level (SAL) of 10⁻⁶.

Allografts processed with PASCO₂[™] technology allow for increased cell proliferation as a result of complete blood and lipid removal.

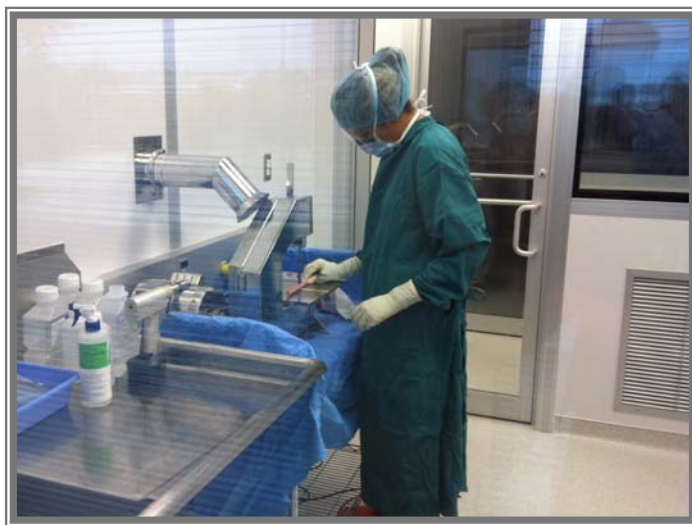
Allografts processed with PASCO₂[™] technology assist with the reduction of postoperative inflammation and foreign body reaction thereby reducing incorporation time.

Allografts processed with PASCO₂[™] technology retain their original biologic and biomechanical properties increasing their ability to endure the physiological demands placed upon them after surgery.

Trained surgical technologists in certified class 100 clean rooms use this patented, validated process based on ISO 14937:2009 (sterilization requirements for Health Care products) to process donated human tissue into high quality **PASCO₂[™]** allografts.

Precision Allograft Solutions provides tissue crafted with exacting standards for use in a variety of surgical procedures.

PASCO₂[™] allografts are processed to a validated sterility assurance level of 10⁻⁶ as recommended by the AATB and FDA.



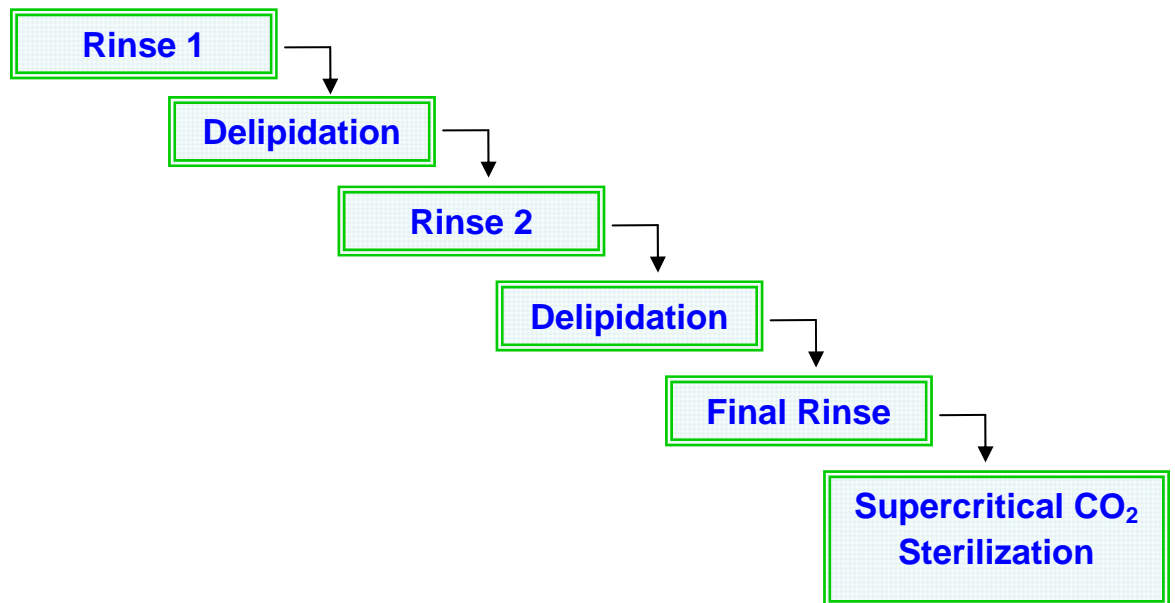
Extreme care is taken to ensure donor tissue is recovered, processed and distributed in a way that is extremely respectful to donors and most beneficial to recipients. Every effort is made to return processed tissue to locations where the original recovery took place.

Precision Allograft Solutions is committed to honoring the gift of donation by providing safe, high quality **PASCO₂[™]** allografts to the medical community and their patients.

Stringent recovery, screening, storage and shipping guidelines are followed to best preserve the allografts for their intended function.

PASCO₂[™] technology is a cutting-edge allograft processing technique. It combines the principles of supercritical CO₂ with that of traditional chemical and mechanical processing steps for the removal of organic materials, such as blood particles and lipids, from both hard and soft tissues. In addition to a highly effective, validated washing procedure, **PASCO₂[™] technology** utilizes a mild, non-toxic sterilizing agent, to thoroughly inactivate pathogenic microorganisms and achieve a Sterilization Assurance Level of 10⁻⁶ while simultaneously maintaining biocompatibility as well as the physiological properties and mechanical integrity of the tissue.

PASCO₂[™] Technology



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