



Community Tissue Services™ utilizes patented Allowash® Technology, which is specially designed to facilitate the removal of cellular elements from musculoskeletal tissue while maintaining structural integrity. The Allowash® process utilizes both mechanical and chemical methodologies to reduce the potential danger of disease transmission. This technology, along with a rigorous donor screening process, has been designed and validated to increase the safety of CTS allograft tissue. In addition, as advancements in technology are achieved, the Allowash® technology is continually re-engineered to further increase the safety of our tissues.

**Allowash® Technology was extensively studied for its effect on processed allograft tissue and the following conclusions were drawn:**

- ✓ *Allowash® Technology provides for up to a 3-log reduction in residuals of bone marrow and blood elements in bone grafts (cleaning) and an additional 5 to 20 log reduction in potential microbial and viral bioburden through disinfection. When coupled with Community Tissue Services™ strict donor screening and testing, this cumulative 9 to 11 log reduction in infective potential associated with the Allowash® Technology provides for an unprecedented high level of safety of CTS allograft tissues.*
- ✓ *Allowash® processing does not leave residuals of processing reagents or changes in allograft tissue that complicates clinical use. Allowash® solution (detergent based) is twice as effective in solubilizing bone marrow as detergent solutions used by other tissue processors, yet it is not cytotoxic to mammalian cells if only 90% is removed from a tissue graft. The current Allowash® Technology removes greater than 99.9% of this processing solution.*
- ✓ *Bone and soft tissue grafts processed using the Allowash® Technology do not induce inflammatory responses when implanted.*
- ✓ *Allowash® Technology does not affect the osteoinductivity or osteoconductivity of bone allografts.*
- ✓ *A study evaluating the Allowash® Technology on the biomechanical properties of small structural, weight-bearing allografts (including iliac crest wedges and Cloward dowels) demonstrated that the capacity of structural allografts subjected to Allowash® Technology was not altered.*
- ✓ *A study evaluating Allowash® Technology on the biomechanical properties of connective tissue allografts (including fascia lata, patellar ligament, and achilles tendons) demonstrated that the tensile strength of the grafts subjected was not altered.*
- ✓ *All Community Tissue Services™ musculoskeletal tissue is irradiated in a final package for an additional measure of safety.*