

## FREQUENTLY ASKED QUESTIONS

### Allowash XG®

Tissue sterilization ensuring safe allograft bio-implants for your surgical applications

#### **What is it?**

Allowash XG is a patented and proprietary sterilization process that removes greater than 99% of bone marrow and blood elements from the internal bone matrix. Allowash XG renders allograft bio-implants sterile, without compromising their biomechanical or biochemical properties.

#### **How does it work?**

Donor tissue goes through a stringent screening routine, and is recovered in strict aseptic conditions. Allograft bio-implants then go through serological testing, to further control and eliminate incoming bioburden. The allograft bio-implants are processed and preserved in facilities that maintain cleanliness levels that minimize or eliminate environmentally induced graft contamination. Allograft bio-implants are cleaned with key solutions that are forced into and through the bone matrix and then directed to waste. This results in the lysis of cells and cleaning of the tissues. The decontamination, disinfection and cleaning regimens for the allograft bio-implants remove and eliminate viruses and bacteria. The final step is sterilization with a low, controlled and validated dose of gamma irradiation administered at low temperatures, after the allograft bio-implant is packaged.

#### **What does the data say?**

Allowash XG renders allograft bio-implants sterile, without compromising the biomechanical or biochemical properties of allograft tissue for their intended surgical applications. This is achieved by:

- Removing greater than 99% of extractable elements from the bone matrix
- Ensuring a Sterility Assurance Level (SAL) of  $10^{-6}$  through chemical treatment and sterilization steps
- Inactivating enveloped and non-enveloped viruses

#### **What are the benefits to my patients, hospitals and me?**

Your patients receive allograft bio-implants that are sterile. For hospitals and surgeons, Allowash XG ensures safety, without compromising the biomechanical or biochemical properties of allograft bio-implants needed for surgical applications.

#### **Why is this better than other options available?**

Allowash XG gives you sterility, without compromising the biomechanical and biochemical properties of allograft tissue needed for surgical applications. Since 1995, over 6 million bio-implants processed using Allowash® technology have been distributed by LifeNet Health with no disease transmission.