Matrix™ HD Allograft

SOFT TISSUE AUGMENTATION

Sterile, room temperature human dermis graft

The Matrix™ HD allograft is acellular human dermis sterilised using the Tutoplast™ Tissue Sterilisation Process. This proprietary process retains the three-dimensional intertwined multidirectional fibres and mechanical properties of the native tissue architecture. The Matrix™ HD graft provides a safe and natural scaffold to support the body's regenerative process.

Matrix™ HD Allograft at a Glance

STERILE

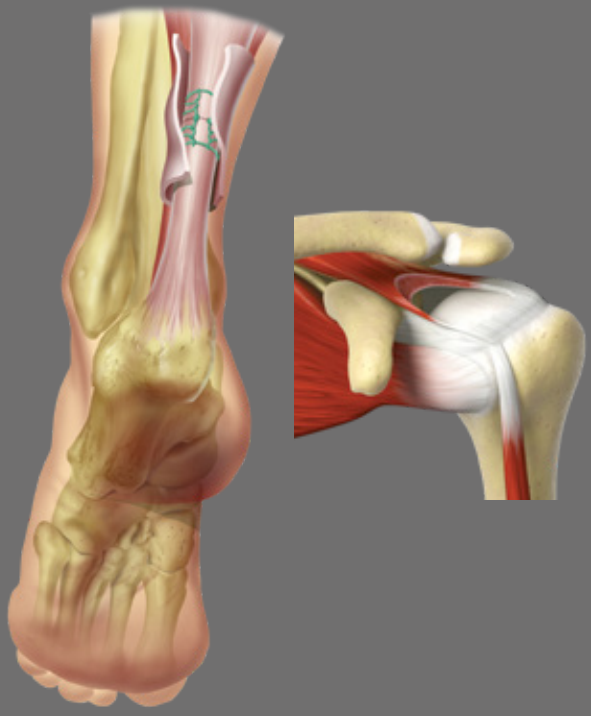
- Terminally sterilised to Sterility Assurance Level (SAL) 10 -6
- Validated viral inactivation

BIOCOMPATIBLE

- Preserved vascular channels
- Preserved key components of the native matrix
- Revascularisation evident in as early as seven days in animal model1*

CONVENIENT

- Room temperature storage†
- Five year shelf life
- Simple, single step rehydration



The Matrix™ HD graft has been used in soft tissue augmentation procedures including but not limited to:

FOOT & ANKLE

- Achilles tendon repair augmentation
- Peroneal tendon repair
- Lateral ankle stabilisation
- Plantar fasciitis repair augmentation
- Plantar plate repair

SHOULDER

- Rotator cuff repair augmentation
- Superior capsular reconstruction

KNEE

- Quadriceps tendon repair
- Patellar tendon repair

HAND

- Extensor tendon repair

** Performance data from animal models may not be representative of performance in humans.*

† Please refer to the labeling for clinical applications, warnings, precautions and other instructions for use.

HOSPITAL INNOVATIONS

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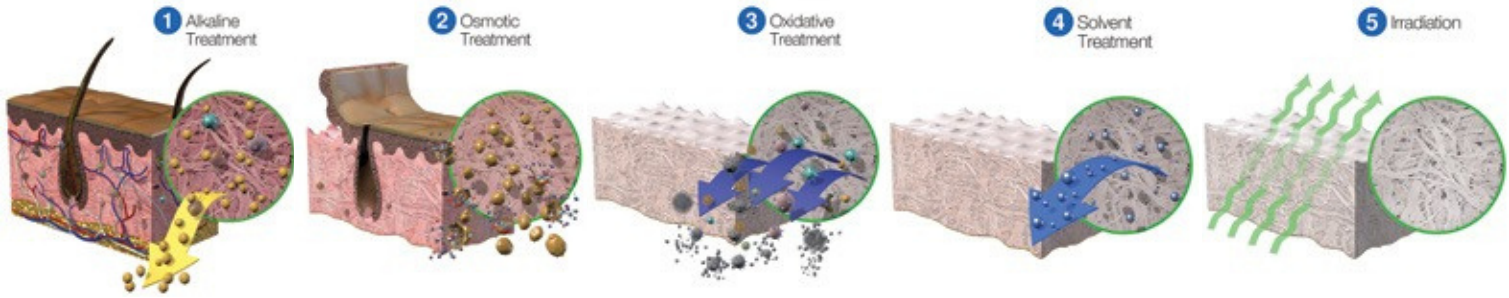
Safety

TUTOPLAST™ TISSUE STERILISATION PROCESS

Osmotic, oxidative and alkaline treatments break down cell walls, inactivate pathogens, and remove bacteria. Solvent dehydration allows for room temperature storage of tissue without damaging the native tissue structure. Low dose gamma irradiation ensures sterility of the final packaged graft.



Alkaline Treatment
Removes cells and lipids which interfere with healing.

Osmotic Treatment
Disrupts cell membranes to allow easier removal of cellular components.

Oxidative Treatment
Removes immunogenic structures, enveloped and non-enveloped viruses.

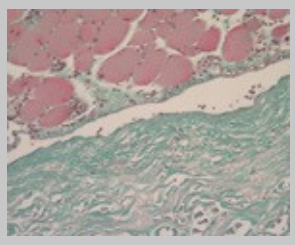
Solvent Treatment
Removes water from tissue, preserves the natural tissue matrix and allows for a five-year shelf life.

Irradiation
Low-dose irradiation produces a terminally sterile graft, while preserving structural integrity.

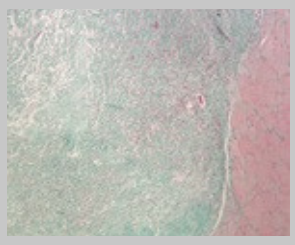
Biocompatibility

IN VIVO ANIMAL MODEL STUDY

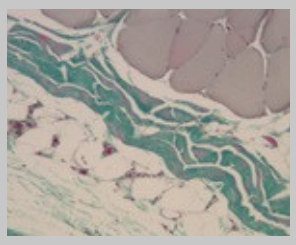
The Matrix™ HD allograft functioned successfully as a scaffold and is fully incorporated and remodelled by the host tissue.1



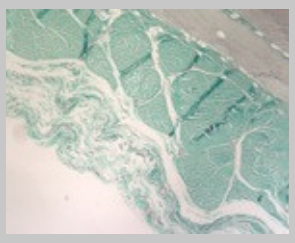
Day 1
Beginning of cellular infiltration of the graft by host tissue.



Day 7
Vascularisation evident, invasion of fibroblasts and other cells found in normal healing cascade of the graft by host tissue.



Week 8
Difficult to distinguish implant from host tissue; graft is well incorporated.



Week 16
Nearly complete incorporation and remodelling of the graft had occurred.

Performance data from animal studies may not be representative of performance in humans.

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SOFT TISSUE AUGMENTATION

Item No.	Item Description
TD2203	Matrix™ HD: 2 x 3cm
TD0405	Matrix™ HD: 4 x 5cm
TD0508	Matrix™ HD: 5 x 8cm 3mm
TDT346	Matrix™ HD: 4cm x 6cm 5mm
TDT546	Matrix™ HD: 4cm x 6cm 6mm
TDT646	Matrix™ HD: 4cm x 6cm

Speak to your local Business Development Manager for further information or contact us using the details below:

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