

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

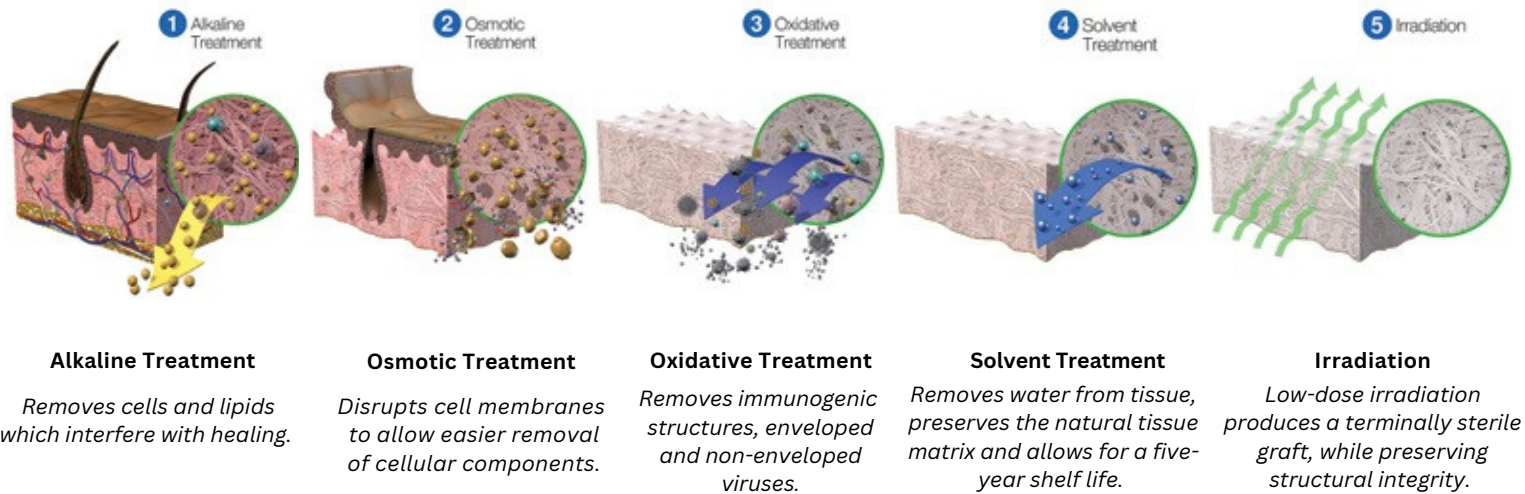
* Performance data from animal models may not be representative of performance in humans.

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

Safety

TUTOPLAST™ TISSUE STERILISATION PROCESS

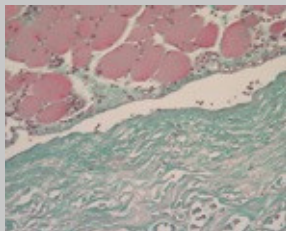
Osmotic, oxidative and alkaline treatments break down cell walls, inactivate pathogens, and remove bacteria. Solvent dehydration allows for room temperature storage of tissue without damaging the native tissue structure. Low dose gamma irradiation ensures sterility of the final packaged graft.



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



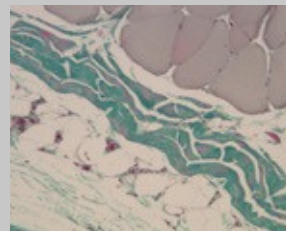
Day 1

Beginning of cellular infiltration of the graft by host tissue.



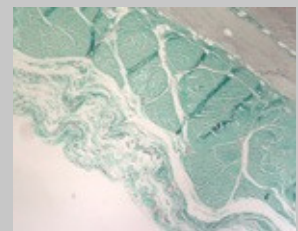
Day 7

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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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,
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