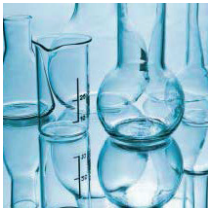
NEUTROMEDICS

# Sports Medicine

## Orthopaedics & Traumatology

## ALLOTRUE™ TECHNOLOGY

**AlloTrue technology is a unique patented cleaning process designed to penetrate deep within donor tissue while still maintaining tissue integrity.**



### Technology

AlloTrue utilizes a combination of treatments of antibiotics, alcohol, peroxide (bone allografts only) and multiple water rinses. The deep penetrating cleansing, with minimal tissue reduction, results in microbial inactivation.

### Process

The AlloTrue system contains motion for complete exposure of the allograft tissues to the cleansing reagents and agitation to facilitate the removal of blood and lipids. AlloTrue Cleansing Process – a unique, patented process designed to penetrate deep within donor tissue to remove blood, lipids and reduce bioburden.

## PRECISION MEASURING

The length, folded diameter and single diameter are measured in every non-bone tendon. The folded diameter is measured by folding the tendon at the center over sterile umbilical tape.

The folded tendon is then passed with minimal force through sequentially smaller diameters on a sizing block until the sizing block can be slightly lifted up from the sterile field with the tendon remaining in the sizing block.

## ALLOTRUE™ CLEANSING PROCESS

Created through a collaboration of AlloSource's engineering, research and development and operations departments, AlloTrue utilizes a combination of treatments of antibiotics, alcohol, peroxide (cut tissue only) and multiple water rinses. The deep cleansing, with minimal tissue manipulation, results in microbial inactivation.

- Tissue cleansing is done in a sealed, aseptic vessel utilizing an automatic process in order to maintain consistency.
- Ultrasonic cleansing reaches deep within the tissues at a tightly controlled temperature to avoid overheating tissue.
- Tissue is systematically rotated to provide maximum exposure of all tissue surfaces to cleansing reagents, avoiding the "stagnant layering" of other cleansing processes where tissue is stationary.
- Computerized controls are in place so that technicians can uphold consistent processing, rotation, temperature regulation and exposure to reagents in order to maintain tissue integrity.
- Matching the donor tissue to the reagents minimizes overexposure to cleansing agents, excessive over-processing and over-whitening.
- The microprocessor automatically determines the length of the sonication cycles and when to drain the system.
- The sonication/draining cycle is repeated several times, using new water and reagents each time.

**FACT 1**

AlloTrue™, a patented tissue cleansing process, removes blood and lipids and reduces bioburden from allograft tendons without exposing the tissue to harsh chemicals.

**FACT 2**

Controlled low dose (10-15 KGY), low temperature irradiation does not impact biomechanical properties of allograft tendon.

Tissues maintain structural and biomechanical properties similar to those of non-irradiated tendon allograft.

Allosource uses a validated low irradiation dose (< 10-15) kilogray and low temperature which preserves biomechanical properties of tissue.

**FACT 3**

Controlled low dose (10-15 KGY), low temperature irradiation does not impact clinical results of allograft tendons.

Numerous clinical studies support the use of controlled, low dose low temperature irradiation of allograft tendons, and provide optimal clinical results of sterile allografts.

### Semitendon

| | | |
|---|---|---|
| AS44317003 | Semitendon (Single Strand) | 21–23 cm |
| 1824-14 | Semitendon (Single Strand) | 21–23 cm |
| 1824-14XL* | Semitendon (Single Strand) | >24 cm |
| 1014-14 | Semitendon | 21–23 cm |
| 1014-14XL* | Semitendon | >24 cm |

### Peroneus Longus

| | | |
|---|---|---|
| AS43917000 | Peroneus Longus | 26–30 cm |
| 1170-14 | Peroneus Longus | 26–30 cm |
| AS43917000XL* | Peroneus Longus | >30 cm |
| 1170-14XL* | Peroneus Longus | >30 cm |
| 1170-14S* | Peroneus Longus | <23 cm |

### Gracilis

| | | |
|---|---|---|
| AS44317002 | Gracilis (Single Strand) | 18–23 cm |
| 3167-14 | Gracilis (Single Strand) | 18–23 cm |
| 1009-14XL* | Gracilis | >25 cm |

### Tibialis Anterior

| | | |
|---|---|---|
| AS44317000 | Tibialis Anterior (Single Strand) | 21–23 cm |
| AS41517000 | Tibialis Anterior (Single Strand) | >23 cm |

### Tibialis Posterior

| | | |
|---|---|---|
| AS44317001 | Tibialis Posterior (Single Strand) | 21–23 cm |
| AS41617000 | Tibialis Posterior (Single Strand) | >23 cm |

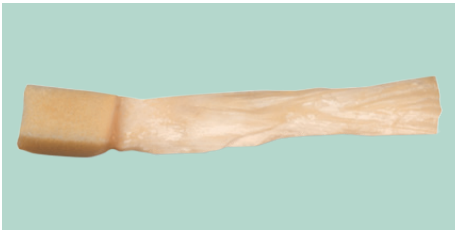
* on demand

**Achilles WITH bone block**

| | | |
|---|---|---|
| AS10017000 | Achilles | |
| 1025-14 | Achilles | |
| 1025-14XL* | Achilles XL | >24 cm |

**Achilles WITHOUT bone block**

| | |
|---|---|
| 1085-14 | Achilles |



**Quadriceps**

| | |
|---|---|
| 1903-14 | Quadriceps with Bone |

**Femoral Head frozen**

| | |
|---|---|
| AS14817048 | Femoral Head 1/1 |
| 1005-14 | Femoral Head 1/1 |
| NT31110103 | Femoral Head 1/2 |

* on demand

**Patella Ligament with Extensor**

| | |
|---|---|
| 1162-14R | Patella Lgmt. with Extensor Right |
| 1162-14L | Patella Lgmt. with Extensor Left |

**Patella Ligament Whole**

| | |
|---|---|
| AS17917000 | Patella Lgmt. Whole |

**Patella Ligament Hemi**

| | | |
|---|---|---|
| AS17817000 | Patella Lgmt. Hemi | >4,2 cm |

**Patella Ligament Pre-shaped**

| | | |
|---|---|---|
| 1964-14 | Patella Lgmt. Pre-shaped | 1,0 cm |
| 3398-14 | Patella Lgmt. Pre-shaped | 1,2 cm |

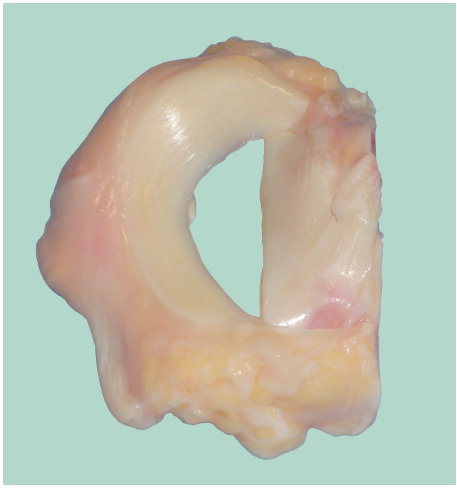
## PROCEDURE FOR ORDERING A MENISCUS ALLOGRAFT

As a first step we ask you to send us a CD (in duplicate) with the patient's MRI images.

These data will be forwarded to our supplier / bone bank. Here the images will be measured in order to find a suitable meniscus.

There is no definable delivery time. It depends on the availability of the measured article.

If a suitable meniscus allograft is found, the treating physician receives a document with the details of the graft. This document should be reviewed and signed to serve as an order confirmation. It is important that a cost approval from the insurance company is already available at this time. The meniscus cannot be returned after signature.
Now the order is placed with our supplier and the graft is reserved exclusively. The delivery to the hospital is made on the surgery date by Innight in a box with dry ice.



**Meniscus**

| | |
|---|---|
| AS28325001 | Lateral Right |
| 90B011-X | Lateral Right |
| AS28325002 | Lateral Left |
| 90B008-X | Lateral Left |
| AS28225001 | Medial Right |
| 90B010-X | Medial Right |
| AS28225002 | Medial Left |
| 90B007-X | Medial Left |

## ORIGIN OF THE TRANSPLANTS

USA / EU

## STORAGE

Musculoskeletal tissue may be stored at or below -40°C.

## SHIPPING

The allografts are delivered in a carton filled with dry ice by Innight or Swiss Med Services.

## APPLICATION

To thaw, playe the innermost pouch in a sterile basin on a sterile field. Immerse inner pouch completely in warm, sterile isotonic solution. The recommended thawing time is 30–60 minutes, depending upon the size of the graft. If removal of blood and marrow elements is desired, rinse graft completely using high-pressure lavage with an isotonic solution.

SWISS MEDTECH

Member

**Neutromedics AG is a member of Swiss Medtech.**

**Neutromedics AG is ISO 13485 certified.**

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

**BAG permit: Import & Export of Human Tissues**

Information

NEUTROMEDICS

NEUTROMEDICS AG
Alte Steinhauserstrasse 19
CH-6330 Cham/Switzerland

Tel. +41 (0)41 748 04 40
Fax +41 (0)41 748 04 41
e-mail: info@neutromedics.ch
www.neutromedics.ch



Sports Medicine 1.0/2022 eng