Allograft Bone Chips and Blocks.
Structural support for bone voids.

Natural bone void filler
Structural scaffold
Validated safety

Brochure for use outside of the USA.
Cancellous and cortical/cancellous allo-
grafts have good osteoconductive
properties and are very well suited to
fill defects in the bony structure. Due to
their natural origin and optimal poro-
sity, they are readily remodeled by the
human body and are replaced by new
host bone.

Cortical/cancellous allograft is a strong
bone graft material that can provide
structural support to the bony defect
where synthetic bone graft substitutes
are limited.

Allograft Bone Chips and Blocks are
sourced by the Musculoskeletal Trans-
plant Foundation (MTF) in the United
States and facilitated through Synthes
in selected countries. Founded in 1987,
MTF is the largest non-profit muscu-
oskeletal tissue recovery organization
in the world.

– Accredited by the AATB (American
Association of Tissue Banks).
– Complies with all FDA regulations re-
garding the recovery, processing and
distribution of allograft tissues.
– Certified according to ISO 9001 and
13485.

Stringent donor selection
Every donor is screened thoroughly. Ex-
clusion criteria for tissue donation in-
clude infectious diseases, malignant
diseases, neurological degenerative dis-
ases, diseases of unknown aetiology
and exposure to toxic substances.

Comprehensive testing
All tissue donors undergo stringent
serological testing, including tests for
HIV-1, HIV-2, hepatitis B, hepatitis C,
syphilis and HTLV-1. HIV and hepatitis C
are tested through Nucleic Acid Testing.
The tissue is microbiologically tested
before and after processing.

Donor release
Donors are only released to processing
after extensive review of all charts and
records by MTF’s Medical Directors,
who are all physicians with infectious
disease or pathology backgrounds.

Natural bone void filler

<table>
<thead>
<tr>
<th>Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>– Cancellous chips (milled)</td>
</tr>
<tr>
<td>– Cancellous chips (cut)</td>
</tr>
<tr>
<td>– Cortical/cancellous chips (50%/50%)</td>
</tr>
<tr>
<td>– Cortical/cancellous chips (80%/20%)</td>
</tr>
<tr>
<td>– Cancellous block</td>
</tr>
</tbody>
</table>

Structural scaffold

Cortical/cancellous allograft is a strong
bone graft material that can provide
structural support to the bony defect
where synthetic bone graft substitutes
are limited.

Cancellous allograft tissue is slightly
less rigid but still provides structural
support to the bony defect (i.e. as com-
pared to many synthetic bone graft
substitutes).

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MTF Musculoskeletal Transplant Foundation
THE ALLOGRAFT LEADER™
Rehydration of allograft chips

Indications

There are different indications that are suitable for the use of allograft chips and blocks:
- Impaction grafting during femoral or acetabular revisions
- Filling of bone defects
- Tibia plateau impression fractures
- Arthroplasty and revision arthroplasty
- Posterior spinal fusions

The offered allograft tissue acts as bone void (defect) filler, as structural graft, and is suited for trauma, tumor resection and hip and knee revisions. Even though allograft chips and blocks provide structural support to the bony defect, these implants are not indicated for use in load bearing indications, unless used in conjunction with appropriate osteosynthesis fixation. Depending on the size, voids of undefined geometric shape can be filled with chips. Voids with defined geometric shape can be filled with blocks.

Preparations for use

Rehydration of freeze-dried tissue
- To rehydrate freeze-dried tissue in an acceptable sterile irrigant (i.e. normal saline or Lactated Ringer Solution) is common but not mandatory prior to use. Bone chips do not necessarily need to be rehydrated.
- The decision to rehydrate the freeze-dried cancellous bone prior to transplantation should be based upon the surgeon’s preference.
- To increase the biological properties of the implant, the patient’s own blood or bone marrow can be used to rehydrate the freeze-dried tissue.
- Optimal performance is achieved when rehydration is done at least 30 minutes prior to the operation.
- To process the rehydration, a transfer of the allograft from the plastic tray of the package to a sterile container is necessary.
- The allograft tissue can be cut to the preferred size after rehydration.

Bibliography


Allograft Bone Chips and Blocks.
Structural support for bone voids.

Ordering information

### Cancellous allograft bone chips (freeze-dried)

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>Diameter</th>
<th>Volume</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTF-400115</td>
<td>1.0–5.0 mm</td>
<td>15 cc</td>
<td>Milled</td>
</tr>
<tr>
<td>MTF-400120</td>
<td>1.0–5.0 mm</td>
<td>30 cc</td>
<td>Milled</td>
</tr>
<tr>
<td>MTF-400125</td>
<td>1.0–5.0 mm</td>
<td>45 cc</td>
<td>Milled</td>
</tr>
<tr>
<td>MTF-400140</td>
<td>1.7–10.0 mm</td>
<td>5 cc</td>
<td>Cut</td>
</tr>
<tr>
<td>MTF-400145</td>
<td>1.7–10.0 mm</td>
<td>15 cc</td>
<td>Cut</td>
</tr>
<tr>
<td>MTF-400150</td>
<td>1.7–10.0 mm</td>
<td>30 cc</td>
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<td>MTF-400155</td>
<td>1.7–10.0 mm</td>
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<tr>
<td>MTF-400160</td>
<td>1.7–10.0 mm</td>
<td>90 cc</td>
<td>Cut</td>
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### Cortical/cancellous allograft bone chips (freeze-dried)

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>Size</th>
<th>Volume</th>
<th>Ratio cortical/cancellous</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTF-400045</td>
<td>1.7–10.0 mm</td>
<td>30 cc</td>
<td>50%/50%</td>
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<tr>
<td>MTF-400046</td>
<td>1.7–10.0 mm</td>
<td>45 cc</td>
<td>50%/50%</td>
</tr>
<tr>
<td>MTF-400047</td>
<td>1.7–10.0 mm</td>
<td>90 cc</td>
<td>50%/50%</td>
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<tr>
<td>MTF-400058</td>
<td>0.5–2.0 mm</td>
<td>60 cc</td>
<td>80%/20%</td>
</tr>
<tr>
<td>MTF-400053</td>
<td>0.5–3.0 mm</td>
<td>5 cc</td>
<td>80%/20%</td>
</tr>
<tr>
<td>MTF-400051</td>
<td>0.5–3.0 mm</td>
<td>30 cc</td>
<td>80%/20%</td>
</tr>
<tr>
<td>MTF-400060</td>
<td>0.5–3.0 mm</td>
<td>90 cc</td>
<td>80%/20%</td>
</tr>
</tbody>
</table>

### Cancellous allograft bone block (freeze-dried)

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>Size (L x W x H)</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTF-400291</td>
<td>15 x 8 x 20 mm</td>
<td>2.4 cc</td>
</tr>
<tr>
<td>MTF-400292</td>
<td>15 x 10 x 20 mm</td>
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</tr>
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<td>MTF-400293</td>
<td>15 x 12 x 20 mm</td>
<td>3.6 cc</td>
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<td>MTF-400281</td>
<td>30 x 11 x 11 mm</td>
<td>3.6 cc</td>
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<td>MTF-400283</td>
<td>30 x 13 x 13 mm</td>
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<td>MTF-400280</td>
<td>30 x 15 x 15 mm</td>
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<td>MTF-400288</td>
<td>30 x 18 x 18 mm</td>
<td>9.7 cc</td>
</tr>
<tr>
<td>MTF-400285</td>
<td>30 x 25 x 25 mm</td>
<td>18.8 cc</td>
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