Allograft Catalogue

September 2018
CONTENT:

1. About.......................................................1 - 2
   • Donor awareness
   • Donor sourcing & screening
   • Allograft processing
   • Supply
   • Cost
   • For Medical Professionals
   • Research & Development

2. PlusLife Allografts.........................................3 - 7
   • Milled bone
   • Tailored Allograft
   • Conventional Allograft

3. Acknowledgements..........................................8
PlusLife (Perth Bone & Tissue Bank) is a not-for-profit organisation and is recognised as one of Australia’s premier tissue banks.

As a Therapeutic Goods Administration licenced tissue bank, we are committed to providing medical professionals with safe and effective human tissue allografts for transplantation in many areas.

PlusLife’s priority is to service demand for bone and tissue allografts primarily in Western Australia.

However, we also distribute graft material to other Australian states, New Zealand and South East Asia in some instances.

We pride ourselves on exclusively retrieving bone & tissue donated in Australia, from which allografts of the highest quality are processed in Australia.

PlusLife is able to provide life enhancing allografts through the gift of bone & tissue donation.
About

DONATION AWARENESS

Education programs are regularly undertaken to raise community awareness of PlusLife’s living (Femoral Head) & deceased (Cadaveric) donor programs by engaging with other not for profit and charitable organisations.

DONOR SOURCING AND SCREENING

PlusLife adheres to strict exclusion criteria and regulatory controls for screening and testing mandated by the Therapeutic Goods Administration thus minimising the risk of the transmission of disease and ensuring the safety of recipients.

All donors are tested for a range of infectious diseases including Hepatitis B & C, HIV (AIDS) and Syphilis. Microbiology and histopathology testing is also conducted on donor samples.

ALLOGRAFT PROCESSING

Constant monitoring of our C grade cleanroom environment and sampling of tissue throughout processing enables us to provide assurance that the tissue we produce is of a high standard.

All processed allograft is terminally irradiated (25kGy) prior to distribution. However tendons undergo low dose irradiation of 15kGy.

At PlusLife, each allograft is produced from a single donor to ensure complete traceability. We do not practice donor pooling.

SUPPLY

The allograft range in this catalogue is subject to availability and may change in manufacturing specification at any time.
COST

There is no cost associated with donating bone and tissue, nor is any payment made to the donor or donor family.

Allograft fees are charged directly to the hospital, and are fully recoverable through the private health funds or covered by Medicare if the surgery is completed in a public hospital.

Fees for the supply of allografts incorporate the many associated costs such as lab charges, consumables used in the retrieval and processing of the allograft, regulatory and quality system costs and administration costs.

Freight for local (WA) graft is included in graft fees, however consignments sent outside WA attract an air freight and handling charge which is payable by the hospital and is not currently recoverable.

FOR MEDICAL PROFESSIONALS

PlusLife has a wide range of musculoskeletal tissue allografts available.

We can provide high resolution photographs of most allografts (taken at processing) along with accurate measurements to ensure the allograft meets your needs. Please note that these photos are taken prior to irradiation.

Annotated X-rays are also available to be sent electronically.

Our Technicians are available 24/7 to assist Medical Professionals and hospital staff with questions regarding ordering and distribution of our allograft.

Phone: 08 6144 3500 (Business & after hours)

Order forms available on our website: www.pluslife.org.au

Please send order forms directly to:
Postal: PO Box 5042 Midland WA 6056
Email: tech@pluslife.org.au
Fax: 08 6144 4259

RESEARCH & DEVELOPMENT

Our new Midland facility will enable us to collaborate with clinicians & researchers in developing more highly advanced allograft which meet and exceed clinical expectations; therefore we welcome clinical input and the opportunity to discuss research & development collaborations.
• Donated in Australia, Processed in Australia
• Recoverable by health funds/Medicare
• Screened and processed in accordance with Therapeutic Good Administration regulations
  ✓ ARTG ID 229915

NEURO & SPINE
• Milled Bone
  - Coarse (8-10mm), Fine (5-8mm)
• Pellet
• Block
• Ring

ORTHOPEDIC & SPORTS MEDICINE
• Dowel
• Plug
• Strut
• Low Dose irradiated Tendons (15kGy)

✓ Tailored Allograft
• Osteotomy/Tricortical Wedge

✓ Conventional Allograft
• Long Bone
• Condyle
• Femoral Head
• Hemi-pelvis

• Each allograft produced from a single donor to ensure complete traceability
• Terminally irradiated
• Low dose irradiated tendons (15kGy)

• PlusLife is a DonateLife Partner

FACIAL / ORAL
• Milled Bone:
  - Ultra fine (0.5-1mm), Super fine (1-3mm)
• Cortical segment

PLUSLIFE ALLOGRAFTS

✓ Tagged Allograft

3 - PlusLife Allograft Catalogue
Composed of cortico-cancellous bone which enables natural resorption while providing a scaffold for bony ingrowth
- Osteoconductive
- Cost effective when using a large quantity vs multiple small quantities per procedure
- Available in wide range of particle sizes and quantities - <5g (10cc) up to >50g (100cc)

Cost effective when using a large quantity vs multiple small quantities per procedure

<table>
<thead>
<tr>
<th>Particle Size</th>
<th>Unit Weight/Volume (volume is for the given weight)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coarse (8 - 10mm)</td>
<td>&lt;5g 5 -9g 10-20g 0-19g 20-29g 30-50g &gt;50g</td>
</tr>
<tr>
<td>Fine (5 - 8mm)</td>
<td>~&lt;10cc ~ 21-39cc ~40-58cc ~60-100cc ~&gt;100cc</td>
</tr>
<tr>
<td>Super Fine (1 – 3mm)</td>
<td></td>
</tr>
<tr>
<td>Ultra Fine (0.5 - 1mm)</td>
<td></td>
</tr>
</tbody>
</table>

Pellet form also available – 3 pellets per package

<table>
<thead>
<tr>
<th>ITEM</th>
<th>REBATE CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Milled &lt;5 grams (&lt;10cc equivalent)</td>
<td>PBT62</td>
<td>Bone filling material consisting of both compact and spongy bone that has been fragmented to varying sizes through milling action; May be coarse, fine, super fine or ultra-fine milled; predominantly cancellous and free of cartilage. Packaged by net weight (gr) as indicated on packaging.</td>
</tr>
<tr>
<td>Milled 5-9 grams (10-20cc equivalent)</td>
<td>PBT63</td>
<td></td>
</tr>
<tr>
<td>Milled 10-19 grams (20-38cc equivalent)</td>
<td>PBT64</td>
<td></td>
</tr>
<tr>
<td>Milled 20-29 grams (40-58cc equivalent)</td>
<td>PBT08</td>
<td></td>
</tr>
<tr>
<td>Milled 30-50 grams (60-100cc equivalent)</td>
<td>PBT09</td>
<td></td>
</tr>
<tr>
<td>Milled &gt;50 grams (&gt;100cc equivalent)</td>
<td>PBT10</td>
<td></td>
</tr>
<tr>
<td>Pellet form</td>
<td>PBT66</td>
<td>Milled bone in pellet form – 3 pellets per package.</td>
</tr>
<tr>
<td>ITEM</td>
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<td>DESCRIPTION</td>
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<tr>
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</tr>
<tr>
<td>Femur whole</td>
<td>PBT18</td>
<td>Entire femur left or right, with or without femoral head. If femoral head removed, transected at femoral neck.</td>
</tr>
<tr>
<td>Femur – Distal</td>
<td>PBT17</td>
<td>Distal portion of femur, transected through the shaft, incorporating both femoral condyles.</td>
</tr>
<tr>
<td>Femur – Proximal with femoral head</td>
<td>PBT62</td>
<td>Proximal portion of the femur, transacted through the shaft, with the femoral head. (Subject to availability)</td>
</tr>
<tr>
<td>Femur – Proximal without femoral head</td>
<td>PBT20</td>
<td>Proximal portion of the femur, transacted through the shaft, without the femoral head.</td>
</tr>
<tr>
<td>Femoral Head – Whole</td>
<td>PBT22</td>
<td>Head of the femur, removed from proximal femur - transected at the femoral neck; supplied as whole or half.</td>
</tr>
<tr>
<td>Femoral Condyle</td>
<td>PBT21</td>
<td>(Lateral/Medial) lower extremity of the (left/right) femur inclusive of cartilaginous surfaces transected with approximately ¼ of the length of the shaft intact.</td>
</tr>
<tr>
<td>Femoral Ring</td>
<td>PBT24</td>
<td>A cylinder of cortical bone, enclosing a cylinder of cancellous bone, cut from the shaft of the femur - depth in mm indicated on the packaging.</td>
</tr>
<tr>
<td>Femur / Tibia shaft middle third</td>
<td>PBT19</td>
<td>The mid-portion of the femur or tibia removed by transecting the femur just below the diaphysis of the femur.</td>
</tr>
<tr>
<td>ITEM</td>
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<td>DESCRIPTION</td>
</tr>
<tr>
<td>-------------------------------------------</td>
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<td>--------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>ACL unit</td>
<td>PBT02</td>
<td>Anterior Cruciate Ligament Unit - Patella &amp; tendon with bone block that have been split.</td>
</tr>
<tr>
<td>Achilles Tendon</td>
<td>PBT01</td>
<td>Achilles tendon attached to the bone block from the (left/right) calcaneus: at least 15cm in length, including bone block.</td>
</tr>
<tr>
<td>Achilles Tendon - Without bone block</td>
<td>PBT61</td>
<td>Achilles tendon without section of calcaneal bone block. (Subject to availability)</td>
</tr>
<tr>
<td>Tendons</td>
<td>PBT46</td>
<td>Tendon (or ligament) without bone attachment; examples are FDL, EHL, Semitendinosus, Gracillus, Tibialis Anterior and Posterior.</td>
</tr>
<tr>
<td>Tibia – proximal with Patella</td>
<td>PBT44</td>
<td>Proximal Tibia with patella and tendon attached.</td>
</tr>
<tr>
<td>Tibia – Proximal without patella</td>
<td>PBT45</td>
<td>Proximal tibia including tibial plateau, without patella and tendon. (Subject to availability)</td>
</tr>
<tr>
<td>Patella unit whole with or without Tibial block</td>
<td>PBT40</td>
<td>Patella &amp; tendon left whole with bone block.</td>
</tr>
<tr>
<td>Fibula</td>
<td>PBT25</td>
<td>May be removed in entirety including the head which articulates with the tibia, and the distal end (lateral malleolus).</td>
</tr>
<tr>
<td>Fibula segment (proximal/distal)</td>
<td>PBT28</td>
<td>Proximal or distal segment of the fibula.</td>
</tr>
</tbody>
</table>
ITEM | REBATE CODE | DESCRIPTION
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Bone Plug, Dowel, Block, Ring | PBT03 | Small bone segments cut into block or ring shapes of various lengths and widths. May be cancellous or cortical or cortico-cancellous. Blocks are produced from femoral heads, patella, tibial or femoral metaphysis, tibial or femoral epiphysis; Rings are produced from fibula.
Strut 10 – 15cm | PBT06 | Cortical segments (plates) of bone of various lengths and widths - generally femoral or tibial.
Strut >15cm – 19cm | PBT07 | 
Strut > 20cm | PBT48 | 
Osteotomy wedge | PBT60 | Section of iliac crest or proximal tibia / tibial plateau or distal femur or femoral head with three facets covered by cortical bone. (Iliac wedge available upon request)
Iliac wedge – Tricortical | PBT32 | 
Iliac crest | PBT31 | Wing of ileum resected from hemipelvis.
Hemipelvis – Complete | PBT30 | Entire hemipelvis left or right, incorporating the ileum, ischium and pubis.
Hemipelvis – Acetabulum | PBT29 | The cup of the pelvis / hip joint

ITEM | REBATE CODE | DESCRIPTION
--- | --- | ---
Humerus–Whole | PBT33 | Entire humerus including humeral head and both epicondyles distally, with or without rotator cuff mechanism of the shoulder.
Proximal Humerus -Without rotator cuff | PBT35 | Proximal segment of humerus, including humeral head transected mid shaft, with or without rotator cuff mechanism of shoulder.
Proximal Humerus -With rotator cuff | PBT34 | Proximal segment of humerus, including humeral head transected mid shaft, with rotator cuff mechanism of shoulder.
PlusLife wishes to extend our sincere gratitude for the musculoskeletal confocal microscope images displayed in this catalogue which were kindly donated by Dr Junjie Gao and Professor Minghao Zheng from University of Western Australia.
August 2018

Please send order forms directly to:
Email: tech@pluslife.org.au
Fax: 08 6144 4259