

Shaped Bone Frozen Washed Irradiated Cortical Strut

Bone - Product code T0036



Product description

Bone derived from the femoral shaft of a deceased donor. Processed in cleanrooms to remove soft tissue, cut in half longitudinally to varying lengths of 5-23cm long, washed to remove blood and marrow. Irradiated in the final pack. Supplied as individual units.

Clinical applications

For use in orthopaedic surgery, primarily as a structural support in femoral reconstruction surgery.

Processing

This product is collected aseptically by highly trained Tissue Services staff stored below -40°C at the tissue bank until donor release. It is processed in pharmaceutical grade cleanrooms to remove soft tissue marrow and red cells

Benefits/advantages

- Supplied by Tissue Services, a specialist function of NHS Blood and Transplant (NHSBT) undertaking all aspects of tissue donor evaluation, medical screening, consent, testing, storage, cleanroom processing, quality assurance and supply.
- Uniform product with minimal variation.
- Flat packed taking less storage space.
- Irradiated in the final pack for added safety.
- Non cellular therefore does not require a user storage license.

leaving a cleaned cortical bone graft from 5-23cm in length. Irradiated to a minimum of 25 kGy.

Storage requirements

This graft needs to be stored frozen. The expiry date depends on the freezer temperature (the full shelf-life is given if lower than -40°C, the shelf-life is reduced to 3 months if stored between -20°C and -40°C). The expiry date on the label will be corrected for your storage requirement before dispatch. Freezers need to be designated for clinical use with 24/7 alarms and monitoring. Your blood bank may be able to store this tissue in these conditions. Once thawed, the maximum storage time in a 4°C clinical alarmed and monitored refrigerator is 24 hours.

Product sheet

For further information or to place an order, please contact your nearest tissue bank via the national order line

Tel 0845 607 6820 Fax 0845 607 6819

Regulatory requirements

This product is cell depleted therefore does not require a storage licence. Some stages of the quality system defined by law (EU Tissue and Cells Directive) relating to storage, tracking and adverse event or reaction reporting can be managed only by the hospital. Because of this a signed current service level agreement defining responsibilities must be in place prior to the supply of tissue. Tissue Services will send this agreement directly to the hospital, usually via the CEO for signature. Details can be supplied on request.

Delivery

This product is stored in two heatsealed plastic bags within a flat-pack outer bag. Delivery is in a disposable transport box containing dry ice (solid carbon dioxide - see below) validated to keep the graft frozen until the date and time provided on the box. It is delivered by either NBS Transport or via a courier, usually direct to the point of use e.g. theatre. Next working day delivery is included in the product price. More urgent delivery e.g. same day or by a specified time can be arranged at additional cost.

CAUTION - dry ice can cause burns. The product must be unpacked by a person wearing safety gloves designed to protect from the cold (-80°C). In addition, high levels of carbon dioxide can asphyxiate, so care should be taken to open and store the package in a room with adequate ventilation. The remaining dry ice should be left to evaporate in a ventilated area before discard.