GraftNet Autologous Tissue Collector

The suction-activated GraftNet device is designed to collect autologous tissue for a multitude of applications. When connected to an arthroscopic shaver, the GraftNet device may be used to collect bone debris, soft tissue, or cartilage from a surgical site. This recovered autologous tissue is collected in an easily accessed, sterile filtered chamber. The GraftNet autologous tissue collector makes gaining access to autograft tissue as simple as Resect and Collect™.

- Universal adapters make for easy assembly
- Collect autologous bone, cartilage, or soft tissue
- Quickly access recovered tissue volume
- Control the particulate size when using a shaver device
Applications for Use

Bone
■ When preparing the tunnels for ACL reconstruction procedures, use the GraftNet™ device to recover bone. The collected bone graft may be used to backfill an autograft bone-tendon-bone (BTB) harvest site, or prefill the anterior cruciate ligament (ACL) tunnel when using an autograft or allograft GraftLink® construct tendon.
■ A suction wand may be helpful to recover bone in non-arthroscopic environments.
■ Once recovered, mix the autograft bone with Arthrex ACP™ platelet-rich plasma (PRP) or concentrated PRP from BMA processed with the Arthrex Angel® system.

Cartilage
■ Autograft OATS® procedures are the benchmark when treating small, symptomatic articular cartilage lesions.
■ Assemble the GraftNet tissue collector and use the BoneCutter™ device in oscillate mode to resect a particulated osteochondral autograft from OATS harvest sites.
■ Data indicates chondrocytes maintain excellent viability (>80%) and metabolic activity and add a cellular component when mixed with BioCartilage® extracellular matrix.¹

Soft Tissue
■ Subacromial bursa during rotator cuff repair, remnant stump during ACL reconstruction, or other soft-tissue structures may be recovered for use during various procedures.
■ The presence of a potential soft-tissue or wound infection often requires collecting a sample of the affected tissue.
■ The GraftNet tissue collector allows for simple and effective collection of resected tissue into a sterile, closed device.

Attach the GraftNet device in-line with suction and a shaver or suction wand.
Deliver the autologous bone graft to the autograft BTB harvest site in the patella and tibia, taking care to completely fill the bone defects.

The collected autogenous bone graft may also be used to prefill the ACL tunnels prior to passing and fixation of the ACL reconstruction graft.
Articular Cartilage Repair in the Knee

To prepare an articular cartilage defect, collect the damaged articular cartilage using the GraftNet™ device attached to an arthroscopic shaver. The shaver is typically used in aggressive oscillate mode with the BoneCutter™ device or Torpedo™ device. Additionally, autologous articular cartilage may be recovered from a Autograft OATS® harvest sites.

Debride the articular cartilage defect with a ring curette to stabilize borders with perpendicular margins. Use the PowerPick™ device to perform the bone marrow stimulation procedure.

Load the particulated, autologous articular cartilage graft into the mixing syringe with BioCartilage® extracellular matrix and autologous fluid. The typical consistency of the composite graft includes equal parts by volume of the 3 constituents. Once mixed, preload the delivery cannula with the articular cartilage graft.
Using the ArthroPaddle™ feature of the delivery cannula, smooth the articular cartilage graft into the defect so that it remains flush or slightly recessed to the surrounding cartilage.

Apply a thin layer of fibrin over the articular cartilage graft. Alternatively, autologous thrombin may be applied over the defect. Do not manipulate for approximately 5 minutes after application. The knee may be gently ranged before closure.
GraftNet™ Autologous Tissue Collector

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<th>Product Description</th>
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<tbody>
<tr>
<td>GraftNet Autologous Tissue Collector</td>
<td>ABS-1050</td>
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Optional Accessories

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<th>Product Description</th>
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<tr>
<td>Mixing and Delivery Kit, large joint</td>
<td>ABS-1000-L</td>
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<td>Mixing and Delivery Kit, small joint</td>
<td>ABS-1000-S</td>
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<tr>
<td>BioCartilage® Delivery Cannula, hip length</td>
<td>ABS-1001-L</td>
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BioXpress™ Graft Delivery Device

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<td>ABS-10053-10</td>
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<tr>
<td>Angled Tip Cannula, 10 cm</td>
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<td>Blunt Tip Cannula, 15 cm</td>
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<td>Angled Tip Cannula, 15 cm</td>
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References

This description of technique is provided as an educational tool and clinical aid to assist properly licensed medical professionals in the usage of specific Arthrex products. As part of this professional usage, the medical professional must use their professional judgment in making any final determinations in product usage and technique. In doing so, the medical professional should rely on their own training and experience and should conduct a thorough review of pertinent medical literature and the product’s directions for use. Postoperative management is patient-specific and dependent on the treating professional’s assessment. Individual results will vary and not all patients will experience the same postoperative activity level or outcomes.

View U.S. patent information at www.arthrex.com/corporate/virtual-patent-marking

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