The OATS® Backfill Plugs are an excellent option for filling harvest sites left behind when using the Single Use OATS or Small Joint OATS instrumentation sets with a biologic scaffold. These presized plugs were created to press fit precisely inside of the harvest site created when using the OATS systems. Each backfill plug contains a mature, cancellous scaffold to provide immediate structural support. The frozen backfill plugs are provided with a cartilage scaffold on top of the bony scaffold. The plugs are easily implanted when used with the Allograft Plug Delivery Sleeve.

The OATS Backfill Plug is sterilized by the ALLOWASH XG® process from LifeNet Health®. ALLOWASH XG is a patented and proprietary sterilization process that removes greater than 99% of bone marrow and blood elements from the soft tissue and internal bone matrix. The ALLOWASH XG technology achieves a 10-6 Sterility Assurance Level, a high degree of safety, without compromising biological and biomechanical properties. Since 1995, over 3 million bio-implants processed using ALLOWASH technology have been distributed by LifeNet Health with no disease transmission. ALLOWASH XG has also proven to inactivate enveloped and nonenveloped viruses, and it is validated to provide an effective bacterial log kill.*

*Data on file at LifeNet Health

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### Features and Benefits

- Two available options
  - Frozen, cartilage scaffold with a cortical and cancellous bone dowel
  - Cancellous Bone Dowel, Preservon® stored
- Use arthroscopically or through a mini-open approach
- Sterile (10-6 Sterility Assurance Level)
- May reduce donor site morbidity
- Multiple sizes available
- Immediately restores open void

The cortical and cancellous parts of the OATS Allograft Plugs can be combined with biologically active materials. Products such as osteogenic autologous bone marrow and/or autologous platelet-rich plasma can provide the necessary components for bone formation and healing.

The Arthrex ACP® (Autologous Conditioned Plasma) Double Syringe (ABS-10010S) can be used for the rapid and efficient concentration of platelets and growth factors within a plasma-based, platelet-rich plasma:

- The unique double syringe design provides a closed system that is easy to use with a quick procedure time.
- White and red blood cells are NOT concentrated within the ACP system. Concentrated white blood cells, specifically neutrophils, have been shown to suppress bone formation and bone healing.2-3
- Leukocyte-reduced, platelet-rich plasma has been found to improve bone regeneration within defect models, for nonunions, and for fusions.4-7
- For more detailed instructions, follow the Directions for Use outlined in the ACP brochure (LB1-0810-EN).
The OATS® Backfill Plugs can be used as a biologic scaffolding for donor sites when the Single Use OATS (Osteochondral Autograft Transfer System) is used for harvesting of 6, 8, or 10 mm osteochondral/hyaline cartilage cylinders.

The open socket created by the Single Use OATS System should be filled with the OATS Backfill Plugs in order to provide a stable and natural scaffold and to limit donor site morbidity.

1. The open socket created by the Single Use OATS System should be filled with the OATS Backfill Plugs in order to provide a stable and natural scaffold and to limit donor site morbidity.

2. A graduated alignment rod is used to measure the socket depth and insertion angle of the graft. Slight modifications to the socket depth may also be performed at this time.

3. Trim the excess bone to ensure the appropriate length of the allograft plug. Removing the edges of the bone may assist in easier implantation of the plug into the socket.

4. Using the tamp from the Single Use OATS set, gently tamp with a mallet until the allograft plug is flush with the surrounding cartilage.
OATS® Backfill Plugs

- Frozen AlloPlugs with Cartilage, 7 mm x 16 mm FCPD7
- Frozen AlloPlugs with Cartilage, 8 mm x 16 mm FCPD8
- Frozen AlloPlugs with Cartilage, 9 mm x 16 mm FCPD9
- Frozen AlloPlugs with Cartilage, 10 mm x 16 mm FCPD10
- Frozen AlloPlugs with Cartilage, 11 mm x 16 mm FCPD11

Preservon® Cancellous Backfill Plugs (room temperature stored)
- Cancellous Backfill Plug, 6 mm x 16 mm PCPD6
- Cancellous Backfill Plug, 7 mm x 16 mm PCPD7
- Cancellous Backfill Plug, 8 mm x 16 mm PCPD8
- Cancellous Backfill Plug, 9 mm x 16 mm PCPD9
- Cancellous Backfill Plug, 10 mm x 16 mm PCPD10
- Cancellous Backfill Plug, 11 mm x 16 mm PCPD11

Ordering Information

www.arthrex.com
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just a click away

REFERENCES:


LifeNet Health helps to save lives, restore health and give hope to thousands of patients each year. We are the world’s most trusted provider of transplant solutions, from organ procurement to new innovations in bio-implant technologies and cellular therapies – a leader in the field of regenerative medicine, while always honoring the donors and health care professionals that allow the healing process.