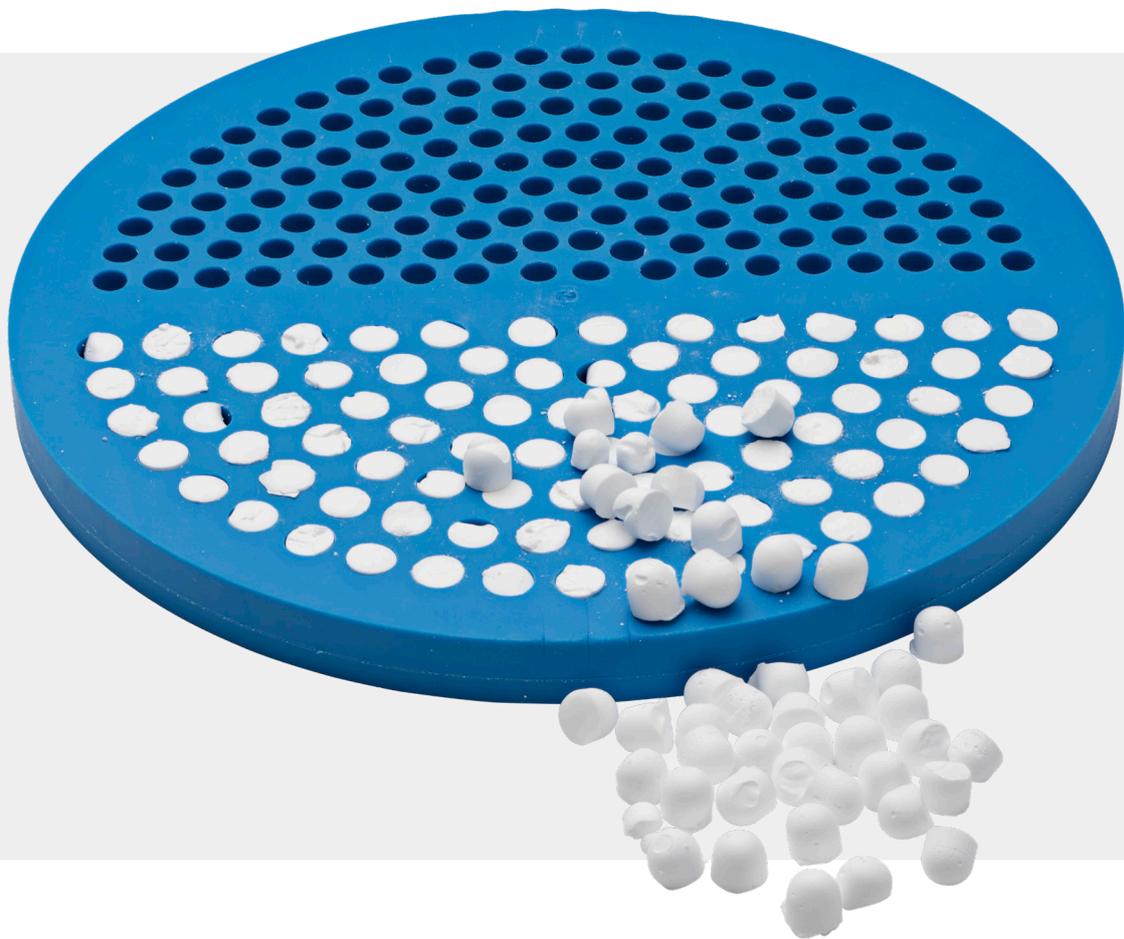


Arthrex Calcium Sulfate BioBeads

Mixing and Delivery Technique Guide



Arthrex Calcium Sulfate BioBeads

Product Overview

Arthrex Calcium Sulfate BioBeads are a biodegradable, biocompatible, and radiopaque bone void filler. During the bone healing process, Arthrex Calcium Sulfate BioBeads resorb and are replaced with new bone.

The BioBeads kit contains an osteoconductive calcium sulfate powder and a mixing solution in premeasured quantities. When mixed in the provided sterile mixing bowl, the resultant paste is injectable and moldable and can be inserted as beads that can be gently packed into bony voids or gaps of the skeletal system. This product can be used at infected sites.



Kit Contents



Arthrex Calcium Sulfate BioBeads Kit

Pic.	Qty.	Description
1	1	Sterile Mixing Bowl
2	1	Bead Mold Mat
3	1	Spatula
4	1	Calcium Sulfate Powder Vial
5	1	Liquid Vial

Preparation of Implant Site

Prepare the implant site by removing blood clots and tissue debris using pulsatile lavage and suction.



Separate the kit contents and place them in the sterile field. Do not dispose of the sterile mixing bowl.



Open the calcium sulfate powder vial and empty its contents into the sterile mixing bowl. Tap the vial to ensure the transfer of all powder.



Open the liquid vial and empty the contents around the periphery and the edge of the sterile mixing bowl, incorporating liquid with the calcium sulfate powder. Tap the vial to ensure the transfer of all liquid.



Using the pestle on the long end of the spatula, mix the powder and liquid together in a circular motion for approximately 60 seconds or until an even smooth mixture is achieved.

Note: Material may collect on the spatula during the mixing process. This material must be reincorporated into the mixture to ensure a proper mix of components.



After the solution is mixed, deliver it to the target site using manual impaction or load onto the bead mold mat to create beads (see step 6). Solution setting time is 5 minutes postimplantation.

Note: Do not irrigate during this setting time period.

Creating Calcium Sulfate Beads



Select the desired bead size (3 mm, 4.5 mm, or 6 mm). Use the long axis of the spatula to spread the paste into the section of bead mold mat corresponding to the chosen size. Tap the bead mold mat onto the table a few times while spreading the paste to ensure proper filling of individual wells.



Allow a minimum of 5 minutes for Arthrex Calcium Sulfate BioBeads to cure in the bead mold mat.



Flex the bead mold mat to release the beads into the sterile field.

Ordering Information

Product description	Item number	Paste Volume	Bead Volume		
			3 mm	4.5 mm	6 mm
Arthrex Calcium Sulfate BioBeads, 5 cc	ABS-3000-05	5 cc	9 cc	11 cc	12.5 cc
Arthrex Calcium Sulfate BioBeads, 10 cc	ABS-3000-10	10 cc	18 cc	22 cc	25 cc
Arthrex Calcium Sulfate BioBeads, 20 cc	ABS-3000-20	20 cc	36 cc	44 cc	50 cc



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.

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