



Bonus[®] CC Matrix
Bone Graft System

Process Technique

One Surgeon. One Patient.®

Over 1 million times per year, Biomet helps one surgeon provide personalized care to one patient.

The science and art of medical care is to provide the right solution for each individual patient. This requires clinical mastery, a human connection between the surgeon and the patient, and the right tools for each situation.

At Biomet, we strive to view our work through the eyes of one surgeon and one patient. We treat every solution we provide as if it's meant for a family member.

Our approach to innovation creates real solutions that assist each surgeon in the delivery of durable personalized care to each patient, whether that solution requires a minimally invasive surgical technique, advanced biomaterials or a patient-matched implant.

When one surgeon connects with one patient to provide personalized care, the promise of medicine is fulfilled.

Bonus[®] CC Matrix Bone Graft System

Bone Remodeling

- Osteoconductive cancellous bone
- Osteoinductivity-verified DBM Powder
- Hydrate with autologous blood products, saline, or antibiotic solution

Handling Characteristics

- User controlled graft consistency
- Hydration flexibility
- Unique blend of cortical and cancellous bone matrices

Convenience

- All inclusive bone grafting kit
- Available in 5 cc and 10 cc sizes
- Ease of preparation



Bonus[®] CC Matrix Bone Graft System

Bonus[®] CC Matrix is allograft bone that maintains the unique properties of promoting bone growth via its osteoinductive growth factors and osteoconductive scaffold as an alternative to autograft.

Bonus[®] CC Matrix utilizes a unique formulation of demineralized cortical bone (DBM) and mineralized cancellous chips that combine the optimal sizes and ratios of each. This provides a unique scaffold for bone growth while avoiding the common delivery and packing challenges associated with larger bone chips.

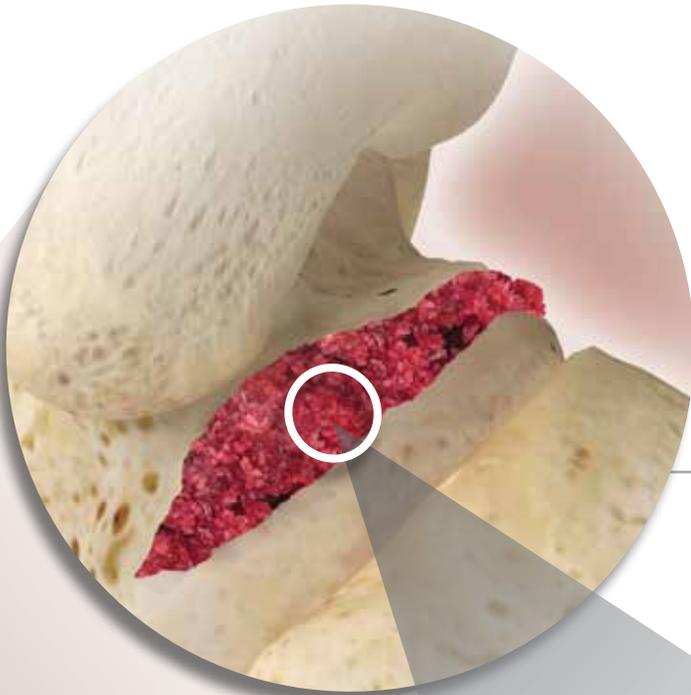
Bonus[®] CC Matrix offers all the benefits of allograft while providing the surgeon a consistent and efficient method of hydration, in addition to the unparalleled Biomet Biologics offering of autologous outputs as hydration media.

The cortical bone (DBM) and mineralized cancellous chips come from the same donor. The tissue is processed using Allowash[®] to inactivate a broad panel of viruses. Potential donors are evaluated through a multi-step process and subjected to testing that meets current AATB and FDA requirements.

Allowash[®] is a registered trademark of LifeNet.



Scaffold for bone growth



**Placement of
Bonus® CC Matrix**



**Zoom image
of Bonus® CC Matrix**



Bonus[®] CC Matrix Bone Graft System

Processing Technique



Figure 1



Figure 2

Vacuum Lock Attachment

Attach the 30 cc vacuum syringe to the valve fitting on the side of the graft syringe containing Bonus[®] CC Matrix (Figure 1).

Vacuum Lock Priming

Pull on the vacuum syringe plunger until fully out - twist plunger to engage the locking mechanism (Figure 2).

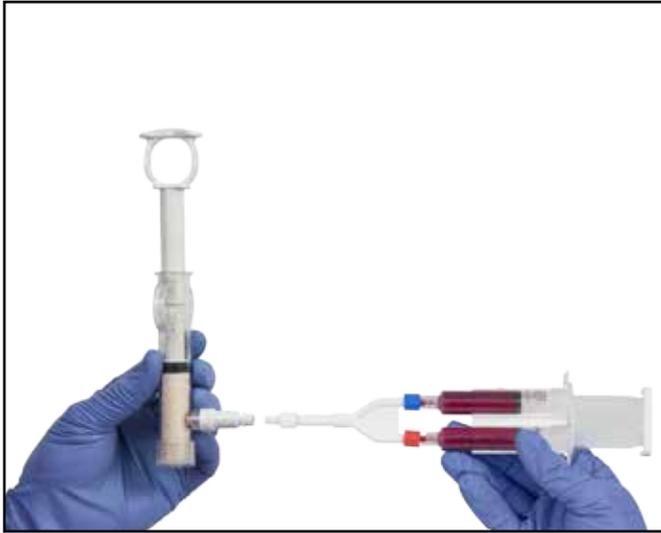


Figure 3

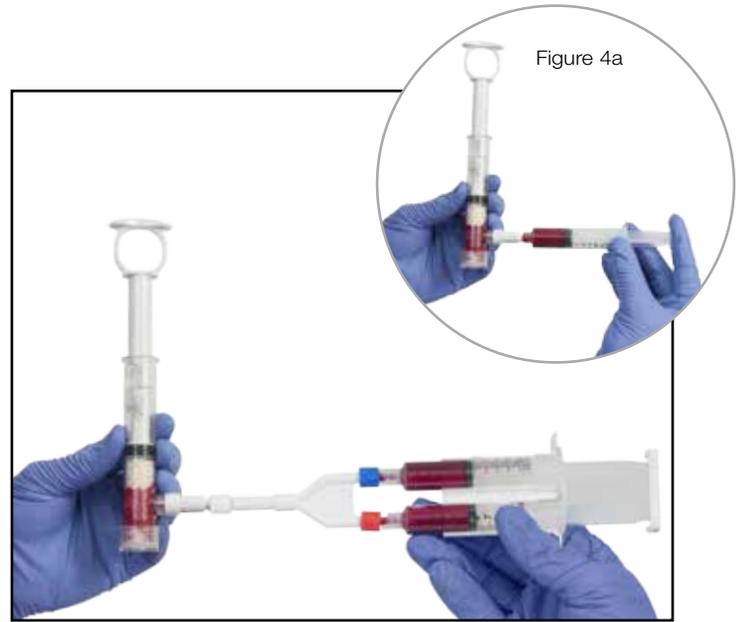


Figure 4

Hydrating Product Attachment

Holding the graft syringe at the valve, twist off the 30 cc vacuum syringe. Attach a dispensing syringe containing the liquid component onto the valve of the graft syringe with Bonus® CC Matrix. Ensure a minimum ratio of 0.6 ml fluid to 1 cc Bonus® CC Matrix prior to attaching syringe to graft syringe (Figure 3).

Vacuum Assisted Loading

The liquid component will be dispensed into the Bonus® CC Matrix automatically. Be sure to use a clip plate on the plungers to ensure the hydrating medium is delivered at the same rate (Figure 4).*

Figure 4a illustrates hydrating the Bonus® CC Matrix using platelet rich plasma without a gel activator (Figure 4a).

*It may be necessary to manually depress the plungers simultaneously to inject additional hydration liquid.

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Figure 5



Figure 6

Vacuum Loaded

Detach dispensing syringe. Piston the plunger of the graft syringe with Bonus[®] CC Matrix for 10 seconds. This assists with hydration (Figure 5).

Graft Log Delivery

Remove the cap from the end of the graft syringe and push-in the plunger to extract the hydrated graft (Figure 6).

Ordering Information

Graft Preparation

Product	Description	Catalog Number
	Bonus® CC Matrix Bone Graft System 5 cc	48-1805
	Bonus® CC Matrix Bone Graft System 10 cc	48-1810

Autologous Product Offering

Product	Description	Catalog Number
	BioCUE® Mini Concentration System	800-0610A
	GPS® III Mini Kit	800-0505A
	Clotalyst® Kit with GPS® III Mini Separator	800-0724
	Plasmax® Mini Kit	800-0516

Accessories

Product	Description	Catalog Number
	Dual Ratio Applicator Kit	800-0251
	Mixing Connector with Spray Tip	800-0252

Indications:

Bonus® CC can be used to fill bony voids or gaps that have been surgically created, or for filling osseous defects in non-weight bearing applications.

Bonus® CC may be used with orthopedic, spinal, reconstructive, craniofacial, maxillofacial and periodontal bone grafting procedures. It can be used alone or in combination with autologous bone, or other forms of allogeneic bone in grafting procedures of non-weight bearing value. It can be used or hydrated with autologous blood, bone marrow aspirate, or autologous blood derived products such as platelet rich plasma and platelet poor plasma. It may also be hydrated with saline or antibiotic solution.

Contraindications:

Infection at the surgical site and/or distant foci of infections that may spread to the surgical site is a contraindication for Bonus® CC.

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For complete product information, including indications, contraindications, warnings, precautions, and potential adverse side effects, see the package insert and patient risk information at www.Biomet.com.



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Responsible Manufacturer

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