

Create Today, Better Tomorrow

Allografts (CGBIO)

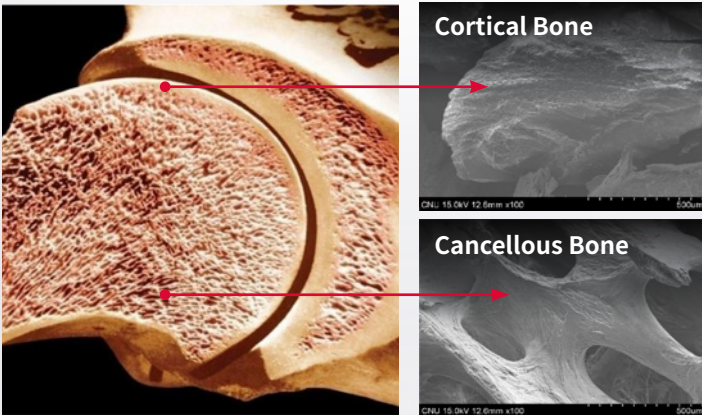
Processed and sterilized to the highest standards and quality by
both American Association of Tissue Banks (AATB) and FDA

HIOSEN
IMPLANT

Characteristics of Bone Graft Material

- Biocompatibility
- Bioactive to promote cell differentiation and proliferation
- Exhibits a low incidence of infection
- Nontoxic and non-immunogenic
- Ability to maintain space and volume over time
- Fully replaceable with new bone growth
- Resorption rate matches bone formation

Bone Structure: Cortical and Cancellous



Functions of Allograft bone: Cortical vs. Cancellous

Functions & Features	Cortical	Cancellous
Component	Typically makes up 80%	Typically makes up 20%
Location	Found in the outer layer	Found in the inner layer
Structure	Compact	Spongy or trabecular
Function	Provides mechanical stability	Enhances healing rate
Composition	Mainly extracellular matrix	Contains numerous marrow canals
Osteointegration	Average	Average
Osteoconduction	Average	Good
Mechanical Force	Strong	Average
Mechanical Stability	Strong	Average
Volume	Good	Average
Density	High	Low



CG AlloBone Plus alpha - FDBA (Freeze Dried Bone Allograft)

- 50% Cortical and 50% Cancellous bone
- It has optimized porosity of cancellous bone and compactness of cortical bone to provide the best scaffold and structural support for bone formation

Description	Delivery	Size (CC)	Item Code	Particulate Size
Composition <ul style="list-style-type: none"> • 50% Cortical bone • 50% Cancellous bone Indications <ul style="list-style-type: none"> • Endodontic Cyst • Horizontal ridge augmentation • Sinus Lift 	Vial (Powder)	0.25	PAUS0025	S: 0.20 ~ 0.85mm L: 0.85 ~ 1.50mm
		0.50	PAUS0050	
		1.00	PAUS0100	
		2.50	PAUS0250	
		5.00	PAUS0500	
	Vial (Chip)	0.25	PAUX0025	
		0.50	PAUX0050	
		1.00	PAUX0100	
		2.50	PAUX0250	
		5.00	PAUX0500	
	Syringe (Powder)	0.25	SCUS0025	
		0.50	SCUS0050	
1.00		SCUS0100		
Syringe (Chip)	0.25	LCUX0025		
	0.50	LCUX0050		
	1.00	LCUX0100		



CG AlloBone - FDA (Freeze Dried Bone Allograft) – Cortical

- 100% Cortical Bone
- Maintains all growth factors, proteins, and minerals to maximize mechanical strength to provide excellent structural maintenance

Description	Delivery	Size (CC)	Item Code	Particulate Size
Composition <ul style="list-style-type: none"> • 100% Cortical bone Indications <ul style="list-style-type: none"> • Endodontic Cyst • Horizontal ridge augmentation • Sinus Lift 	Vial (Powder)	0.25	ABUS0025	S: 0.20 ~ 0.85mm L: 0.85 ~ 1.50mm
		0.50	ABUS0050	
		1.00	ABUS0100	
		2.50	ABUS0250	
		5.00	ABUS0500	
		5.00	ABUS0500	
	Vial (Chip)	0.25	ABUX0025	
		0.50	ABUX0050	
		1.00	ABUX0100	
		2.50	ABUX0250	
		5.00	ABUX0500	
		5.00	ABUX0500	
Syringe (Powder)	0.25	LCUS0025		
	0.50	LCUS0050		
	1.00	LCUS0100		
Syringe (Chip)	0.25	LCUX0025		
	0.50	LCUX0050		
	1.00	LCUX0100		



CG AlloBone Plus - FDA (Freeze Dried Bone Allograft)

- 100% Cancellous Bone
- Maintains all growth factors, proteins, and minerals to maximize bone formation, remodeling, and revascularization

Description	Delivery	Size (CC)	Item Code	Particulate Size
Composition <ul style="list-style-type: none"> • 100% Cortical bone Indications <ul style="list-style-type: none"> • Endodontic Cyst • Horizontal ridge augmentation • Sinus Lift 	Vial (Powder)	0.25	APUS0025	<i>* Will be available soon</i> S: 0.20 ~ 0.85mm L: 0.85 ~ 1.50mm
		0.50	APUS0050	
		1.00	APUS0100	
		2.50	APUS0250	
		5.00	APUS0500	
		5.00	APUS0500	
	Vial (Chip)	0.25	APUX0025	
		0.50	APUX0050	
		1.00	APUX0100	
		2.50	APUX0250	
		5.00	APUX0500	
		5.00	APUX0500	
	Syringe (Powder)	0.25	UCUS0025	
		0.50	UCUS0050	
		1.00	UCUS0100	
	Syringe (Chip)	0.25	UCUX0025	
0.50		UCUX0050		
1.00		UCUX0100		



CG AlloMix - DBF Putty (Demineralized Bone Fiber) – Cortical Fiber w. Cancellous Chips

- 100% Cortical Fiber with Cancellous Chips
- Maintains all growth factors, proteins and minerals by creating the structural fiber network
- Osteoinduction/Osteoconduction

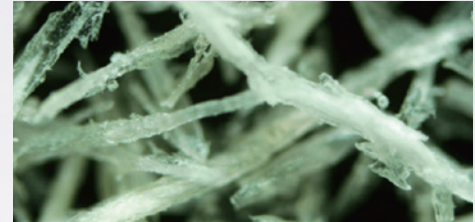
Description	Delivery	Size (CC)	Item code	Particulate Size
Composition <ul style="list-style-type: none"> • 100% DBF Putty with Cancellous Chips Indications <ul style="list-style-type: none"> • Endodontic Cyst • Horizontal ridge augmentation • Sinus Lift 	Syringe	0.25 0.5 1.0	CTUT0025 CTUT0050 CTUT0100	Mixed

Cancellous Bone Chip

Larger contact surface than Cancellous Bone Chip

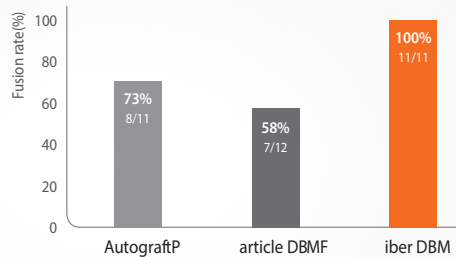


ALLOMIX Demineralized Bone Fibers with Cancellous Bone Chip Bone Fusion Maximization

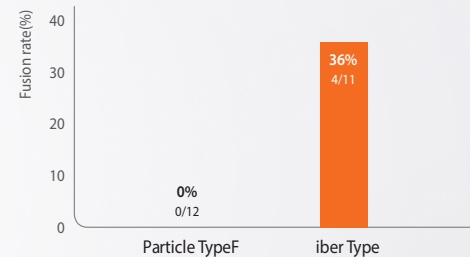


Fusion Rate in Rabbit model*

Osteoconductivity and OsteoinductivityD



evitalized DBM, Osteoinductivity, Only



* Martin GJ, Boden SD, Titus L, Scarborough NL. Spine (Phila Pa 1976). 1999 Apr 1;24(7):637-45.