PlatFORM™ CM

Osteoconductive Collagen
Mineral Bone Graft Matrix

Highly Purified Carbonate Apatite Mineral

- Superior to ß-tricalciumphosphate (ß-TCP) and hydroxyapatite (HA) as a bioresorbable bone graft substitute[1]
- Resorption, remodeling and structure analogous to human bone[2]

Highly Purified Type I Collagen

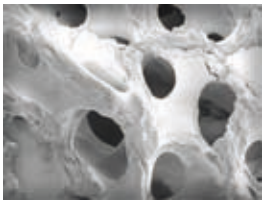
- Favorable influence on cellular infiltration and protein binding[3]
- Resorbed and remodeled naturally in bone through normal metabolic pathways[4]

BIOMET®
SPINE & BONE HEALING
TECHNOLOGIES

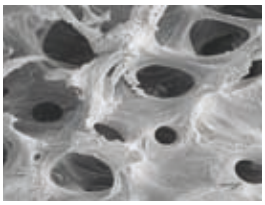
PlatFORM™ CM
Osteoconductive Collagen Mineral Bone Graft Matrix

Highly Purified Carbonate Apatite (CA) Mineral

- Superior to ß-tricalciumphosphate (ß-TCP) and hydroxyapatite (HA) as a bioresorbable bone graft substitute[1]
- Resorption, remodeling and structure analogous to human bone[2]



Human processed bone at 50X magnification



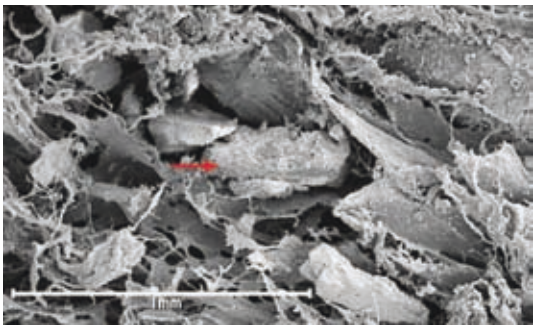
Carbonate Apatite Mineral at 50X magnification

Highly Purified Type I Collagen

- Favorable influence on cellular infiltration and protein binding[3]
- Resorbed and remodeled naturally in bone through normal metabolic pathways[4]

Porosity and Resorption

- Pore sizes in the range of 150-500 µm are optimal for interface activity, bone ingrowth, and implant resorption[5]
- The majority of the pores in the mineral content fall within the optimal range for all formulations[6]
- Resorption and remodeling profiles are more similar to normal human bone
- Absorbs fluids, such as bone marrow aspirate, to deliver the complete bone growth triad – the patient's own osteogenic and osteoinductive cells in a highly osteoconductive matrix
- Rehydrate with BMA to desired handling (approximately a 1:1 ratio)



PlatFORM™ CM Block (Red arrow depicting CA particle (Particle size range 0.25-1.25mm) at 50X magnification

Flexible, Malleable and Compression Resistant

Catalog #	Description
CM68902	2cc PlatFORM™ CM Putty
CM68905	5cc PlatFORM™ CM Putty
CM68910	10cc PlatFORM™ CM Putty

Catalog #	Description	Length	Width	Thickness
CM25505	5cc (1/box) PlatFORM™ Block	6.25 cm	2cm	0.4 cm
CM25510	10cc (1/box) PlatFORM™ Block	6.25 cm	2cm	0.8 cm
CM25520	20cc (2/box) PlatFORM™ Blocks*	6.25 cm	2cm	0.8 cm
CM46405	5cc (1/box) PlatFORM™ Strip	12.5 cm	1cm	0.4 cm
CM46410	10cc (1/box) PlatFORM™ Strip	12.5 cm	2cm	0.4 cm
CM46420	20cc (2/box) PlatFORM™ Strips*	12.5 cm	2cm	0.4 cm

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* Special Order Only

1. Kanayama, K., Sriarj, W., Shimokawa, H., Ohya, K., Doi, Y., Shibutani, T. 2011. Osteoclast and Osteoblast Activities on Carbonate Apatite Plates in Cell Cultures. J Biomater Appl 2011 26:435-436.
2. Matsuura A, Jubo T, Doi K, Hayashi K, Morita K, Toyota R, Hayashi H, Hirata I, Okazaki M, and Akagawa Y. 2009. Bone Formation Ability of Carbonate Apatite-Collagen Scaffolds with Different Carbonate Contents. Dental Materials Journal 28(2): 234-242.
3. Geiger, M., Li, R.H., Friess, W. 2003. Collagen Sponges for Bone Regeneration with rhBMP-2. Advanced Drug Delivery Reviews 55: 1613-1629.
4. Li, S.T., 2000. Biologic Biomaterials: Tissue-Derived Biomaterials (Collagen). Biomedical Engineering Handbook, Second Edition, Vol. I, JD Bronzino (ed). Pp 42:1-23, CRC Press, Boca Raton, FL.
5. Vaccaro, A. 2002. The Role of the Osteoconductive Scaffold in Synthetic Bone Graft. Orthopedic News. Vol. 25 No. 5/Supplement: 571-578.
6. Data on file at Collagen Matrix.