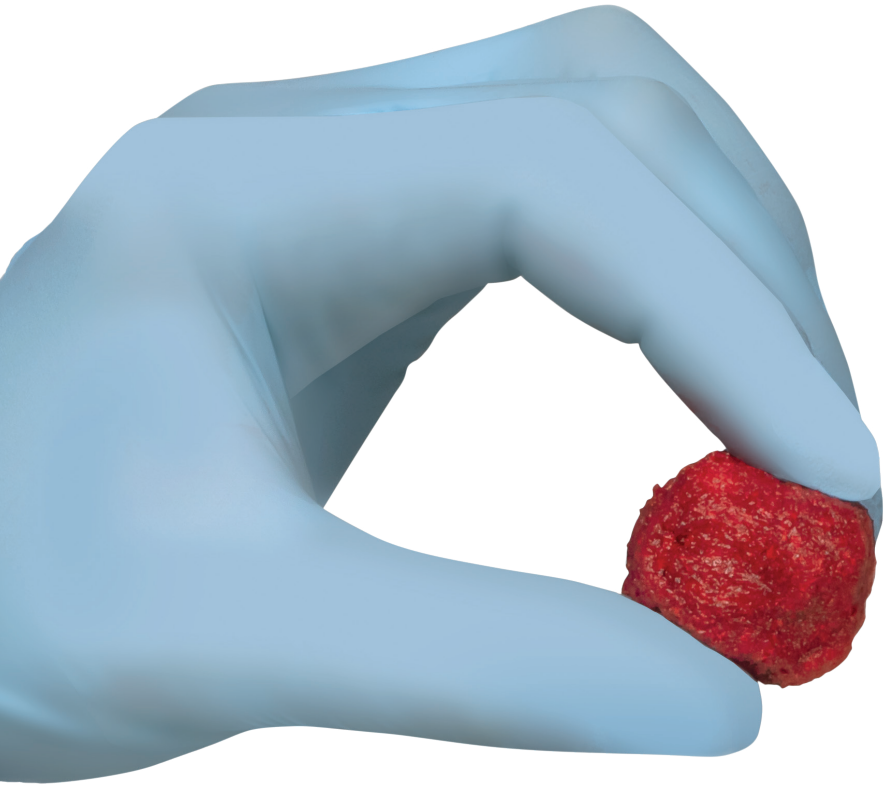
Stylos BA™

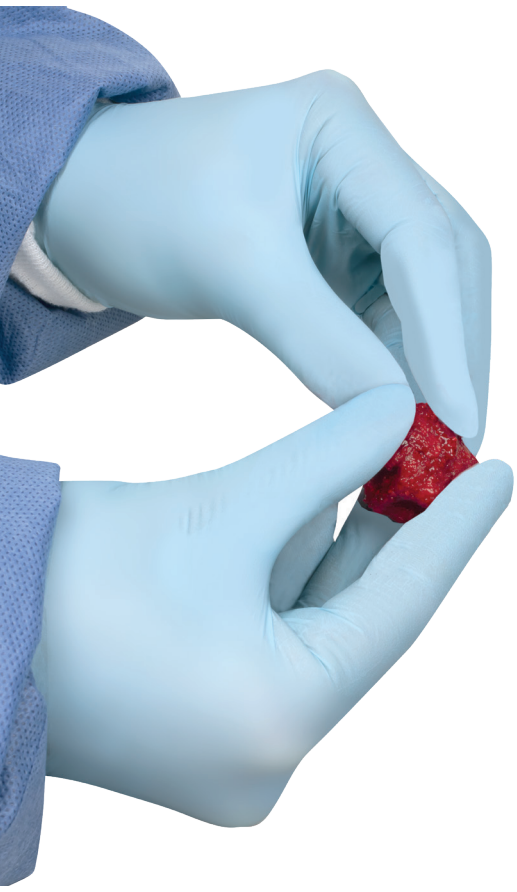
Bioactive Glass Matrix



Moldable.
Absorbant.
Irrigation Resistant.

SPINAL elements®

Stylos BA™ | Bioactive Glass Matrix

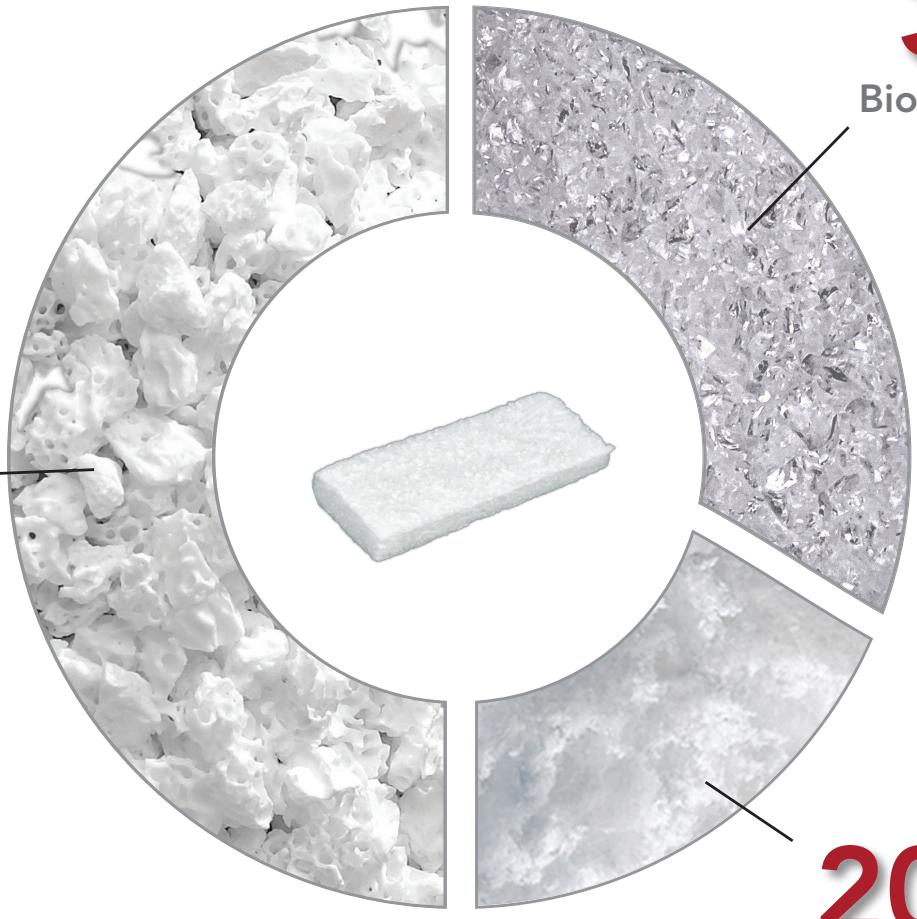


Synergistic Effect

- An enhanced bone graft substitute composed of 45S5 bioactive glass, carbonate apatite anorganic bone mineral, and Type I collagen.
- A combination that drives a synergistic effect to induce osteoblasts proliferation, matrix maturation, and extracellular matrix mineralization.[1]

Ideal Biologic Ensemble

- Uniform dispersion of bioactive glass and mineral particle throughout the collagen matrix mimics the characteristics of human bone, providing an ideal environment for bone regeneration.[2]



30%
Bioactive Glass

50%
Carbonate Apatite

20%
Type I Collagen

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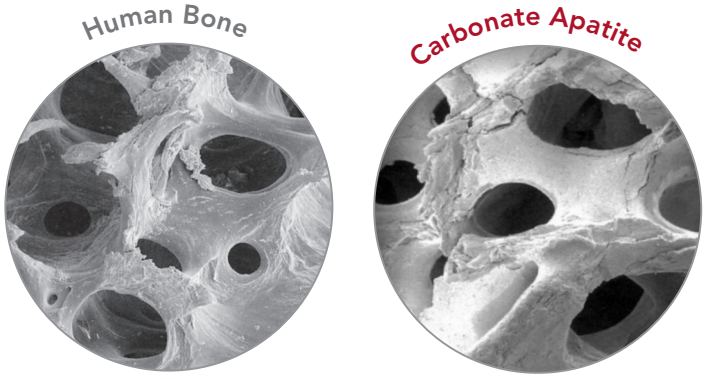
Bioactive Glass

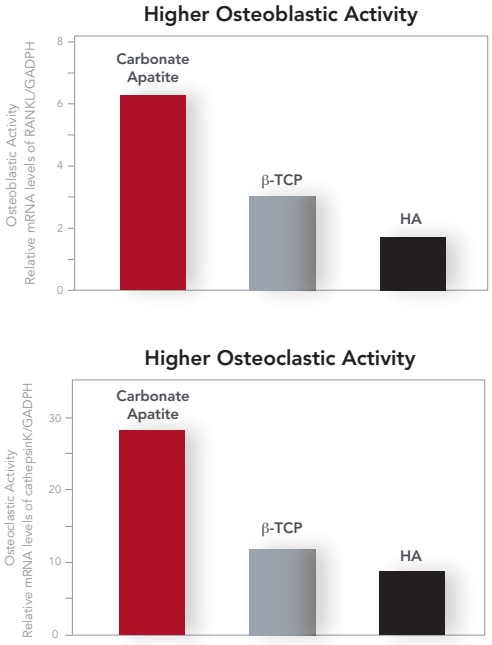
- Cell Proliferation & Differentiation—45S5 Bioactive Glass stimulates growth and osteogenic differentiation of human primary osteoblasts.[3]
- 30% Bioactive Glass—formulated with the ideal amount for optimizing osteoblast growth.[3]
- 100-300µm Particle Size—provides a controlled rate of ion dissolution and surface reactivity for bone bonding and proliferation.[4,5,6]

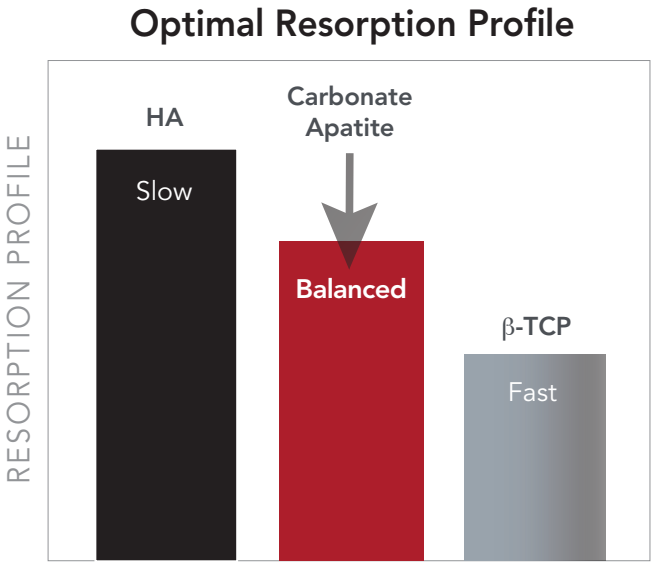


Similar Sized Macro & Micro Pores for Cell Migration

Carbonate Apatite

- Optimal Resorption & Remodeling—similar to human bone.[7,8]
- Pores provide pathways for cell migration and attachment to lay down new bone.
- Higher osteoclastic and osteoblastic activity than BTCP and HA.[9]





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Type I Collagen

- Highly absorbent, moldable, flexible, and resists migration upon irrigation.
- Binds proteins and cells and retains biological factors.[10]
- 100% resorbable through normal metabolic pathways.[11]
- Intrinsic hemostatic properties control minor bleeding.[11,12]

Stylos BA Strips

Part Number*	Part Description
STYS005	5cc, 3.2cm x 2cm x 0.8cm
STYS010	10cc, 6.25cm x 2cm x 0.8cm
STYS020	20cc, 12.5cm x 2cm x 0.8cm

*Additional Strip sizes available upon request

Stylos BA Putty

Part Number	Part Description
STYP002	2.5cc, 1.8cm x 1.8cm x 0.8cm
STYP005	5cc, 2.5cm x 2.5cm x 0.8cm
STYP010	10cc, 3.5cm x 3.5cm x 0.8cm

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