



GLASS2MED, LDA

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**Innovative Biomaterials for a Brighter
Future**



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About Us

At Glass2Med, we believe in the transformative power of science. We are pioneers in advanced biomedical materials, dedicated to developing high-quality solutions that drive progress in healthcare and beyond.

Grounded in rigorous research and cutting-edge technology, we create versatile materials that enable new approaches in regenerative medicine, medical devices, oral care, and dermocosmetics.

Our multidisciplinary team combines deep scientific knowledge with an innovative vision, turning discovery into practical application and fostering the development of safer, more effective, and personalized solutions.

At Glass2Med, science and innovation work hand in hand to shape the future of healthcare with lasting impact.



Our portfolio focuses on advanced bioactive glasses and calcium phosphates, known for their biocompatibility and ability to support tissue regeneration. These materials are used across regenerative medicine, dentistry, and personal care. Bioactive glasses can also be engineered to promote specific biological responses, such as antibacterial and osteogenic activity, enhancing their therapeutic potential. Both material types are customizable in particle size and composition, and can be combined to create multifunctional products with optimized performance and versatility.

Bioactive Glasses

Product	Composition (mol %)	Particle size	Quantity
45S5	SiO ₂ 46.1 Na ₂ O 24.4 CaO 26.9 P ₂ O ₅ 2.6	Granules 1-2 mm 0.5-1 mm 0.1-0.5 mm	10 g 100 g 250 g
53SP4	SiO ₂ 53.9 Na ₂ O 23.2 CaO 20.9 P ₂ O ₅ 1.9	Powders > 150 µm 20-150 µm < 20 µm	

Bioactive Glasses

Product	Composition (mol %)	Dopant Ion	Dopant concentration (mol %)	Particle size	Quantity
45S5	SiO ₂ 46.1 Na ₂ O 24.4 CaO 26.9 P ₂ O ₅ 2.6	Ce Cu Ga Mg Sr Ta Zn Zr	0.5-1 1-2 2-4 4-6*	Granules 1-2 mm 0.5-1 mm 0.1-0.5 mm Powders > 150 µm 20-150 µm < 20 µm	10 g 100 g 250 g

*depending on the type of dopant ion.

Calcium Phosphates

Product	Composition	Particle size	Quantity
HA (Hydroxyapatite)	Ca ₅ (PO ₄) ₃ OH	Granules 1-2 mm 0.5-1 mm 0.1-0.5 mm Powders > 150 μm 20-150 μm < 20 μm	10 g 100 g 250 g
nanoHA (nano Hydroxyapatite)		< 100 nm	
β-TCP (β-Tricalcium phosphate)	Ca ₃ (PO ₄) ₂	Granules 1-2 mm 0.5-1 mm 0.1-0.5 mm Powders > 150 μm 20-150 μm < 20 μm	
TTCP (Tetracalcium phosphate)	Ca ₄ (PO ₄) ₂ O		