CERAMIC BIOMATERIALS

Areas of Application

The developed ceramic biomaterials can be used in orthopedics, traumatic surgery, oncology, ophthalmology, and dentistry to repair bone tissue in various clinical situations; the bioactive ceramic powders are suitable for micro-plasma deposition of coatings with antibacterial properties on metallic implants

Specification

The bioactive ceramics are analogous to the mineral component of bone tissue and have an exceptional biocompatibility; approved for the clinical use in medical institutions.

Granule size, μm	80 - 800
Size of powder particles	
for deposition, μm	20 - 80
Specific surface, m ² /g	2 - 200
Compressive strength, MPa	20 - 200

Advantages

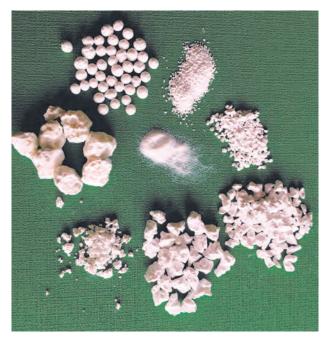
Easy-to-use and highly biocompatible with bone tissue



IRL3, TRL5 Manufacture of small batches. Seeking partners for industrial production



Articles made of bioactive ceramics with different properties



Powders and granules of bioactive ceramics with different properties

IPR Protection

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