# **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 <sup>2</sup> /g	2 - 200
Compressive strength, MPa	20 - 200

#### **Advantages**

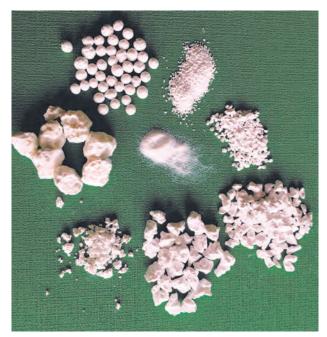
Easy-to-use and highly biocompatible with bone tissue



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

## **Contact Information**

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