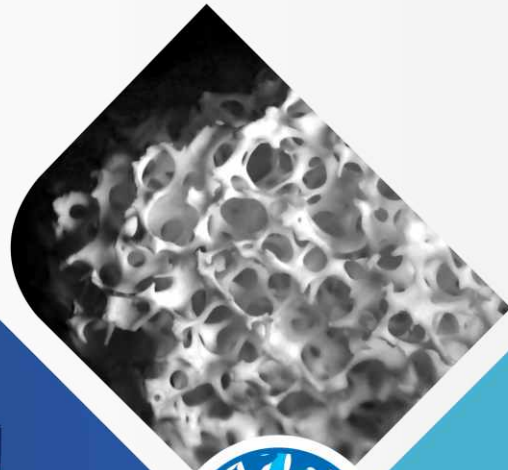


Total-Core Bone Grafting Materials



CoreGraft⁺ Xenograft (Bovine) Bone Substitute Material

Product Description

CoreGraft⁺ is a sterile, porous, inorganic Class III bone substitute derived from bovine cancellous bone. Chemical and thermal treatments are used to completely remove all organic components — including proteins, DNA, blood cells, and lipids — while preserving the natural hydroxyapatite porous crystalline structure. SEM analysis confirms the porous and crystalline characteristics of this product.





Specifications & Key Properties

Property	CoreGraft ⁺
Origin	Bovine cancellous bone
Composition	Natural hydroxyapatite
Structure	Porous (preserving natural bone structure); specific surface area: 35–70 m ² /g; zeta potential: approximately –12 to –20 mV for maximum wettability and cell adhesion
Particle Sizes	Fine: 250–1000 μm / Coarse: 1000–2000 μm
Resorption Time	Minimum 6–8 months
Storage Temperature	15–30°C
Shelf Life	Up to 3 years from date of manufacture

Advantages

- Porous structure closely mimicking natural bone architecture
- Low resorption rate for long-term preservation of regenerated bone
- Osteoconductive: provides a scaffold for new bone formation
- Superior long-term outcomes compared to synthetic substitutes
- Maintains bone volume for years post-implantation

Clinical Note: Unlike demineralized allogeneic grafts (e.g., DFDBA), which resorb over time, xenografts maintain volume due to their slow resorption. When combined with 20–30% autogenous/allogeneic bone, clinicians benefit from both: rapid initial regeneration (space making) and long-term space maintenance.

Available Presentations

CoreGraft⁺ is available in two presentations:
Jar Type and Syringe Type.



Ref No.	Volume	Weight	Granule Size
CGBS05	0.5 cc	0.35 gr	250-1000
CGBS10	1 cc	0.7 gr	250-1000
CGBS20	2 cc	1.4 gr	250-1000
CGBS40	4 cc	2.8 gr	250-1000
CGBS50	5 cc	3.5 gr	250-1000
CGBL05	0.5 cc	0.3 gr	1000-2000
CGBL10	1 cc	0.6 gr	1000-2000
CGBL15	1.5 cc	0.9gr	1000-2000
CGBL20	2 cc	1.2 gr	1000-2000
CGBL30	3 cc	1.8 gr	1000-2000
CGBL50	5 cc	3 gr	1000-2000
CGBS2-S	0.25 cc	0.175 gr	250-1000
CGBS5-S	0.5 cc	0.35 gr	250-1000
CGBS10-S	1 cc	0.7 gr	250-1000
CGBS20-S	2 cc	1.4 gr	250-1000
CGBL5-S	0.5 cc	0.3 gr	1000-2000
CGBL10-S	1 cc	0.6 gr	1000-2000
CGBL15-S	1.5 cc	0.9 gr	1000-2000

Regulatory Compliance

CoreGraft⁺ has passed all mandatory biocompatibility tests per ISO 10993-1:2018, conducted in FDO-accredited labs (Pyrogenicity, Sensitization, Irritation, Cytotoxicity, Genotoxicity, Systemic Toxicity, Implantation Study). ISO 13485:2016 certified by IMQ Italy. Manufacturing license held since 2018



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