

AltICERAM™

AltICERAM™ is a highly purified bone graft substitute engineered to allow for bone volume augmentation in regenerative dentistry. It is composed of sintered cancellous bone spongiosa granules of porcine origin. Its three dimensional structure allows for the infiltration of mesenchymal stem cells and microvessels into the AltICERAM™. This optimal geometry and morphology promotes osteoblast adhesion and subsequent addition of *de novo* host bone by matrix deposition. The material resorbs naturally into the body *via* osteoclastic activity.

Composition

AltICERAM™ consists of sintered porcine bone spongiosa containing hydroxyapatite (HA) and tricalcium phosphate (TCA). It is indicated as a bone graft substitute for bone augmentation in regenerative dentistry.

Indications

- Oral surgery: orthognathic surgery, alveolus splitting, bone granulomas, dentigerous cysts.
- Periodontology: regeneration of furcation and of deep intrabony defects, extraction sockets.
- Implantology: restoration and regeneration of peri-implant bone lost due to periodontitis and dehiscence- two wall defects, lateral and crestal access sinus lift. AltICERAM™ by itself or in combination with OBM™ *oral maxillofacial* may be protected and segregated from surrounding soft tissue using AltIMEM-GTR™ collagen membrane.

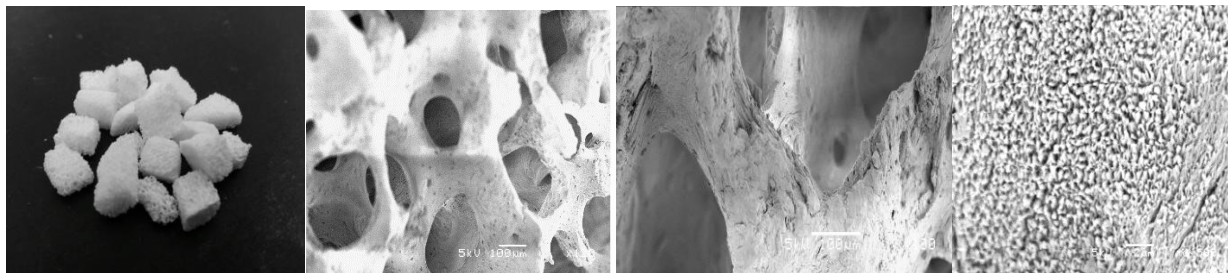


Fig 1. AltiCERAM™ at 1x, 80x, 500x and 1500x magnification on a JSM-5800 SEM showing porous geometry similar to that of human cancellous bone.

Benefits

AltiCERAM™ offers the potential to reduce:

- Need for autologous bone graft
- Costs - immediately following surgery and over time
- Complications that would require follow-up visits
- Elimination of pain at harvest site [in autograft procedures]
- Late onset complications from autogenous bone harvesting procedure

Precautions

- AltiCERAM™ should only be used by trained surgeons and dentists.
- AltiCERAM™ should be used with special caution in patients with acute or chronic infection, uncontrolled metabolic diseases, prolonged corticosteroid therapy, autoimmune diseases, radiotherapy and heavy smoking.

Side effects



- In very rare cases an allergic reaction to collagen products may occur. Due to the prolonged absorption time, in rare cases an inflammatory response may be observed.



Other information



The product is sterilized by irradiation.



The product is intended for single use.

Do not use product after expiry date.

The product must be stored in a dry place at room temperature and not exceed 25°C.

Catalogue no. **NAPPI code** **Description**
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|--------------|-------------|---|------------------|
| ALTICERAM11 | 251234-001 | AltICERAM Sintered Cancellous Spongiosa Chips, 1g | 1-5 mm cubes |
| ALTICERAM12 | 251235-001 | AltICERAM Sintered Cancellous Spongiosa Chips, 2g | |
| ALTICERAM13 | 251236-001 | AltICERAM Sintered Cancellous Spongiosa Chips, 3g | |
| ALTICERAM15 | 251237-001 | AltICERAM Sintered Cancellous Spongiosa Chips, 5g | |
| ALTICERAM110 | 251238-001 | AltICERAM Sintered Cancellous Spongiosa Chips, 10g | |
| AltICERAM105 | 1116751-001 | AltICERAM Sintered Cancellous Spongiosa Chips, 0.5g | |
| AltICERAM25 | 1116752-001 | AltICERAM Sintered Cancellous Spongiosa Chips, 2.5g | cube mm 10 |
| AltICERAM210 | 1116753-001 | AltICERAM Sintered Cancellous Spongiosa Chips, 10g | |

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