IngeniOs® Silicated β-TCP
Synthetic Bone Particles

The resorbable, synthetic choice for bone regeneration

Composition
IngeniOs Silicated β-TCP is an advanced silicated β-TCP formulation of biocompatible, osteoconductive material for bone regeneration. The grafting material is made from synthetic, silicated pure-phase beta tricalcium phosphate, providing the potential for increased bioactivity,\(^1\,^2\) and rapid scaffold mineralization.

For use:
• Socket preservation
• Augmentation or reconstructive treatment of the alveolar ridge
• Filling of intrabony periodontal defects
• Filling of defects after root resection, apicoectomy and cystectomy
• Sinus lift/elevation of the maxillary sinus floor

FEATURES
• Silicated β-TCP formulation
• 100% Synthetic
• 75% Interconnected Porosity
• Radiopaque
• Mixable
• Resorbable
• Irregularly shaped granules

BENEFITS
• Increases potential for bioactivity
• Designed to enable ingrowth of healthy bone tissue
• Easily visible on X-ray
• Can be used as graft extender or to add radiopacity and provides balanced, natural resorption within 4-6 months to regenerate mineralized bone
• Interlocking granules enhance mechanical stability, and minimize micro movement; The distribution of particle sizes and processing prevents early absorption which can cause an inflammatory response that can compromise bone healing
Engineered For Balanced Resorption

IngeniOs Silicated β-TCP contains advanced silicated particles, which provide an ideal surface for bone forming cells to attach and remodel into host bone. The next generation silicate is designed for resorption over 4-6 months, in balance with replacement of natural bone. IngeniOs Silicated β-TCP works with the biologic drivers in autologous PRP, bone marrow or stem cells.

1 75% Interconnected Porosity
- Designed to support vascularized bone formation and the ingrowth of healthy bone tissue
  - Interconnective, open cellular spongious structure
  - Polygonal particles
  - Pore Size 250 –450 μm

2 Microstructure
- Irregular microsurface
- All sub particles are larger than 8 μm
- No nanoparticles
- Bioactive silicate formulation facilitates 3D bone regeneration rather than dissolution and inflammation

Ordering Information

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>0-602501</td>
<td>IngeniOs Silicated B-TCP Synthetic Bone Particles, 0.25 cc, 0.25-1mm</td>
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<tr>
<td>0-600501</td>
<td>IngeniOs Silicated B-TCP Synthetic Bone Particles, 0.5 cc, 0.25-1mm</td>
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<tr>
<td>0-601001</td>
<td>IngeniOs Silicated B-TCP Synthetic Bone Particles, 1 cc, 0.25-1mm</td>
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<tr>
<td>0-602001</td>
<td>IngeniOs Silicated B-TCP Synthetic Bone Particles, 2 cc, 0.25-1mm</td>
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<tr>
<td>0-700501</td>
<td>IngeniOs Silicated B-TCP Synthetic Bone Particles, 0.5 cc, 1-2 mm</td>
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<td>0-701001</td>
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<tr>
<td>0-702001</td>
<td>IngeniOs Silicated B-TCP Synthetic Bone Particles, 2 cc, 1-2 mm</td>
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3 Resorption time varies and is dependent on a number of factors, including graft location, size and patient factors.

Contact us at 1-800-342-5454 or visit www.zimmerbiometdental.com

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