Bioteck bone substitutes are obtained from equine bone tissue treated with Zymo-Teck®. This exclusive proprietary process is based on the utilization of lytic enzymes operating at controlled temperatures. This enables the complete elimination of the antigen components of the tissue, without the mineral phase undergoing any changes. The unmodified bone mineral component is recognized as endogenous by the osteoclasts, thereby allowing for the total remodeling of the graft, which is completely replaced, in physiological time, by new patient vital bone tissue.

The best possible condition for osseointegrated implants.
**Enzymatic process**

**Zymo-Teck®**: the secret of quality grafts

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The best possible condition for osseointegrated implants.
**Granules**

Bio-Gen granules are a total osteoinductive remodelling bone substitute, which can be used for all types of bone defects.

- **Clinical uses:**
  - recommended for small case, four walls bone defects (cancellous)
  - excellent for large size bone defects (cortical)

- **Remodeling time:**
  - 4 - 6 months (cancellous)
  - 8 - 12 months (cortical)

**BGM-GEL2**
- Bio-Gen cancellous granules
- Bio-Gen cancellous/cortical granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous/cortical granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules

**BGM-GEL1**
- Bio-Gen cancellous granules
- Bio-Gen cancellous/cortical granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules

**BGM-GEL05n**
- Bio-Gen cancellous granules
- Bio-Gen cancellous/cortical granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules

**BGM-20**
- Bio-Gen cancellous granules
- Bio-Gen cancellous/cortical granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules

**BGM-05**
- Bio-Gen cancellous granules
- Bio-Gen cancellous/cortical granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules

**BGC-05**
- Bio-Gen cancellous granules
- Bio-Gen cancellous/cortical granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules

**BGS-22**
- Bio-Gen cancellous granules
- Bio-Gen cancellous/cortical granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules

**BGS-21**
- Bio-Gen cancellous granules
- Bio-Gen cancellous/cortical granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules

**BGS-23**
- Bio-Gen cancellous granules
- Bio-Gen cancellous/cortical granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules

**BGS-09**
- Bio-Gen cancellous granules
- Bio-Gen cancellous/cortical granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules

**BGS-10**
- Bio-Gen cancellous granules
- Bio-Gen cancellous/cortical granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules
- Bio-Gen cancellous granules

**Biocollagen collagen membrane**
- Demineralized Bone Matrix (DBM)
  - Bio-Gen Mix Gel is a mixture consisting of Bio-Gen Mix cortical-cancellous bone substitutes and water-based gel. It is extremely practical and easy-to-handle.
  - Clinical uses:
    - excellent for very large periodontal defects
    - excellent for maxillary sinus lift (Summers)
    - recommended for all types of defect

**Activagen DBM granules**
- Demineralization process completely exposes type I collagen and organic extracellular matrix, thus enhancing the bone bonding process.
  - Clinical use:
    - in combination with Bio-Gen bone substitutes
  - Remodeling time:
    - 8 - 12 months (cancellous)
    - 4 - 6 months (cancellous)

**Putty**
- Bio-Gen Putty is a moldable paste made of cancellous Bio-Gen granules and collagen from Achilles tendon. It's easily moldable, hemostatic and sticks well to bone walls.
  - Clinical uses:
    - recommended for small size, four walls bone defects
    - excellent for post-extractive sockets

**DBM Mix Putty**
- Clinical uses:
  - to protect grafted sites where regeneration is expected to be slow
  - to maintain bone profiles (medial ridge reconstruction)
  - Protection time:
    - 6 months (protection)
    - 8 - 12 months (total remodeling)

**Biocollagen collagen membrane**
- Remodeling time:
  - 4 - 6 months (protection)
  - 6 - 10 months (total remodeling)

**Cancellous Blocks**
- Bio-Gen cancellous blocks are tough, rigid blocks. They feature the same mechanical resistance to compression and elastic deformations of natural bone. They can be shaped with rotating instruments, or drilled, without breaking. They have to be fixed in place with screws or similar devices.
  - Clinical uses:
    - horizontal or vertical/horizontal ridge augmentation (inlay)
    - inlay grafts

**Cortical Membranes**
- Osteoplant Cortical Membrane is a flexible cortical bone sheet that works as a long lasting (>8 months) resorbable membrane.
  - Clinical uses:
    - to protect grafted sites where regeneration is expected to be very slow
    - to maintain bone profiles (medial ridge reconstruction)
  - Protection time:
    - 6 months (protection)
    - 8 - 12 months (total remodeling)

**Cancellous or Cortical Flex Sheets**
- Osteoplant Flex devices are flexible, easy-to-handle, cancellous or cortical bone sheets. They offer flexibility, they adapt perfectly to the remaining bone removing the need of 3D-apparatus. They need fixation with screws or similar devices.
  - Clinical uses:
    - cortical ridge augmentation with consolidated implant placement
    - horizontal ridge augmentation (cancellous sheet)
    - skin lift, to protect the Schneider membrane (Volume technology)

**Collagen Membranes**
- Bio-Gen Collagen is a membrane made of Achilles tendon collagen for guided bone regeneration. Its protection time is 4-6 weeks, therefore it is indicated to cover small grafted sites only.
  - Clinical uses:
    - to protect small grafted sites
  - Protection time:
    - 4 - 6 weeks

**BPG-CM**
- Biocollagen collagen membrane
  - Remodeling time:
    - 8 - 12 months (cortical)

**Bio-Gen cancellous wedge**
- Remodeling time:
  - 6 - 8 months

**Cortical Membranes**
- Osteoplant cortical membrane
  - Remodeling time:
    - 6 months (protection)
    - 8 - 12 months (total remodeling)

**Cancellous Blocks**
- Osteoplant cancellous block
  - Remodeling time:
    - 6 - 8 months

**Putty**
- Bio-Gen Putty is a moldable paste made of cancellous Bio-Gen granules and collagen from Achilles tendon. It's easily moldable, hemostatic and sticks well to bone walls.
  - Clinical uses:
    - recommended for small size, four walls bone defects
  - Remodeling time:
    - 4 - 6 months (protection)
  - Protection time:
    - 6 months (protection)

**Cortical Membranes**
- Osteoplant cortical membrane
  - Remodeling time:
    - 6 months (protection)
    - 8 - 12 months (total remodeling)

**Cancellous or Cortical Flex Sheets**
- Osteoplant cancellous sheet
  - Remodeling time:
    - 6 - 8 months (cortical)

**Cortical Membranes**
- Osteoplant cortical membrane
  - Remodeling time:
    - 6 months (protection)
    - 8 - 12 months (total remodeling)

**Cancellous Blocks**
- Osteoplant cancellous block
  - Remodeling time:
    - 6 - 8 months

**Cortical Membranes**
- Osteoplant cancellous block
  - Remodeling time:
    - 6 - 8 months

**Cortical Membranes**
- Osteoplant cancellous block
  - Remodeling time:
    - 6 - 8 months

**Cortical Membranes**
- Osteoplant cancellous block
  - Remodeling time:
    - 6 - 8 months
Granules

Bio-Gen granules are a total osteoconductive remodelling bone substitute, which can be used for all types of bone defects.

Clinical uses:
- recommended for small case, four walls bone defects (cancellous)
- excellent for large size bone defects (cortical)

Remodeling time:
- 4 - 6 months (cortical)
- 8 - 12 months (cortical)

Gel Granules

Bio-Gen gel is a mixture consisting of Bio-Gen Mix cortical-cancellous granules and water-based gel. It is extremely practical and patient-handle. It can be applied directly in the graft site. Useful for all defect types.

Clinical uses:
- recommended for all types of defect
- excellent for large periosteal defects
- excellent for very large periodontal defects

Remodeling time:
- 4 - 6 months (cancellous)
- 8 - 12 months (cortical)

Collagen Membranes

Boccalaplas is a membrane made of Achilles’ tendon collagen for guided bone regeneration. Its protection time is 4 - 6 weeks, therefore it is indicated to cover small grafted sites only.

Clinical uses:
- to protect small grafted sites
- to stabilize granular grafts

Protection time:
- 4 - 6 weeks

Putty

Bio-Gen Putty is a moldable paste made of cancellous Bio-Gen granules and collagen free Achilles tendon. It’s easily mouldable, haemostatic and sticks well to bone sufaces.

Clinical uses:
- recommended for small size, four walls bone defects
- excellent for post-extractive sockets

Remodeling time:
- 4 - 8 months

Corticosteroids

Activagen DBM moldable paste

Bioteck Activagen and Angiostad are osteopromotive bone grafts containing Demineralized Bone Matrix (DBM). Demineralization process completely exposes type I collagen and organic extracellular matrix, thus enhancing the bone healing process.

Clinical uses:
- in combination with Bio-Gen bone substitutes
- to maintain bone profiles (medullary ridge reconstruction)

Protection time:
- 6 months (protection)
- 8 - 12 months (total remodeling)

Cancellous or Cortical Flex Sheets

Osteoplant is a flexible cortical sheet made of cancellous or cortical bone. They can be shaped with rotating instruments, or drilled, without breaking. They have to be fixed in place with screws or similar devices.

Clinical uses:
- vertical ridge augmentation with concomitant implant placement
- horizontal ridge augmentation (cancellous sheet)
- sinus lift, to protect the Schneider membrane (Volumetric technique)

Remodeling time:
- 4 - 6 months (cortical)
- 8 - 12 months (cortical)

Cancellous Blocks

Biocollagen collagen membranes are flexible, rigid blocks. They feature the same mechanical resistance to compression and elasticity characteristics of natural bone. They can be shaped with rotating instruments, or drilled, without breaking. They have to be fixed in place with screws or similar devices.

Clinical uses:
- horizontal or vertical/horizontal ridge augmentation (onlay) upper jaw only
- inlay grafts

Remodeling time:
- 6 - 8 months
natural bone substitutes

Bioteck Bone Substitutes

Bioteck Granules are a total osteoinductive remodelling bone substitute, which can be used for all types of bone defects.

Clinical uses:
- Recommended for small size, four walls bone defects (cortical)
- Excellent for large size bone defects (cortical)

Remodelling time:
- 6 - 8 months (cortical)
- 8 - 12 months (cortical)

Gel Granules

Bio-Gen Gel is a product consisting of Bio-Gen Mix, cortical-cancellous granules and water-based gel. It is extremely practical and easy-to-handle. It can be applied directly in the graft site. Useful for all defect types.

Clinical uses:
- Recommended for all types of defect
- Excellent for very large periodontal defects

Remodelling time:
- 6 - 8 months (cortical)
- 8 - 12 months (cortical)

Demineralized Bone Matrix (DBM)

Bio-Teck Activogen and Angiostad are osteopromotive bone grafts containing Demineralized Bone Matrix (DBM). Demineralisation process completely exposes type I collagen and organic extracellular matrix, thus enhancing the bone forming process.

Clinical uses:
- In combination with Bioteck bone substitutes to maintain bone profiles (cortical)
- To improve the biological conditions favoring bone regeneration

Putty

Bio-Gen Putty is a moldable paste made of cancellous Bio-Gen granules and collagen from Achilles' tendon. It’s easily moldable, hemostatic and sticks well to bone walls.

Clinical uses:
- Recommended for small size, four walls bone defects
- Excellent for post-extractive sockets

Remodelling Time:
- 4 - 8 months

Colagen Membranes

Bio-Collagen collagen membrane

Clinical uses:
- To cover small grafted sites only.

Protection time:
- 4 - 6 weeks

Cortical Membranes

Osteoplant Cortical Membrane is a flexible cortical bone sheet that works as a long lasting (>8 months) resorbable membrane.

Clinical uses:
- To protect grafted sites where regeneration is expected to proceed (horizontal and vertical augmentation)

Protection time:
- 6 months (protection)
- 8 - 12 months (total remodelling)

Cancellous or Cortical Flex Sheets

Osteoplant Flex devices are flexible, easy-to-handle, cortical or cancellous bone sheets. They give flexibility; they adapt perfectly to the receiving bone area ensuring a lack of detective appositions. They need fixation with screws or similar devices.

Clinical uses:
- Vertical ridge augmentation with concomitant implant placement
- Horizontal ridge augmentation (cancellous sheet)
- To limit stress to the Schneider membrane (Volume technique)

Remodelling time:
- 6 - 8 months (cortical)

Cancellous Blocks

Bio-Collagen cancellous blocks are tough, rigid blocks. They feature the same mechanical resistance to compression and elastic deformation of natural bone. They can be shaped with rotating instruments, or drilled, without losing their shape. They have to be fixed in place with screws or similar.

Clinical uses:
- Horizontal or vertical/horizontal ridge augmentation (only) upper jaw only
- Inlay grafts

Remodelling time:
- 6 - 8 months

Granules

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Clinical uses:
- Recommended for small size, four walls bone defects (cortical)
- Recommended for large size bone defects (cortical)

Remodelling time:
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