**Terminology** | **Definition**
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Osteogenic | A material's ability to differentiate into bone.
Osteoinductive | A material's ability to induce stem cells to differentiate into bone cells.
Osteoconductive | A material's ability to provide the framework (scaffold) for new bone growth.

**OrthoMesh**

**DBX**

**Allograft bone void filler**
- Composed of demineralized bone and sodium hyaluronate
- Osteoconductive, osteoinductive potential*
- 6-month remodel time
- Processed by MTF, the world’s largest tissue bank

**DBX Paste and DBX Putty**
- Flowable consistency of granulated cortical bone
- Moldable consistency of granulated cortical bone
- Excellent handling characteristics
- Resists displacement and wash-away from irrigation

**DBX Mix**
- Morselized corticocancellous bone texture

**DBX Strip**
- Flexible and ready to use
- Easily cut and contoured to the surgical site

**Norian SRS**

**Synthetic bone void filler**
- Composed of calcium phosphate
- Osteoconductive
- Resorption time is a period of years

**Norian SRS Fast Set Putty**
- Moldable putty
- 35 MPa compression strength
- Sets in 3–6 minutes at 37°C

**chronOS**

**Synthetic bone void filler**
- Composed of β-tricalcium phosphate
- Osteoconductive
- 6- to 18-month remodel time
- ~5 MPa compression strength

**chronOS granules**
- Two size ranges: 1.4 mm–2.8 mm and 2.8 mm–5.6 mm granules
- approximately 60% porous

**chronOS preforms**
- Three forms: blocks, rectangular wedges, and semi-circular wedges
- approximately 70% porous

**chronOS Bone Marrow Aspiration System**
- A compact, self-contained system for aspirating bone marrow
- Disposable kit for single-procedure use

**OrthoMesh**

**Resorbable bone graft containment**
- Composed of resorbable co-polymers
- Maintains position of bone graft
- Prevents soft tissue prolapse into defect
- Eliminates secondary surgeries for implant removal

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*It is unknown how the osteoinductive potential, measured in the athymic mouse model, or the alkaline phosphatase assay, will correlate with clinical performance in human subjects.

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**Examples of anatomical locations/indications for biomaterial products**

- OrthoMesh, DBX Diaphyseal nonunion
- Norian SRS Proximal femur
- Norian SRS Distal radius
- Norian SRS, chronOS Tibial plateau, distal femur, cysts, benign tumors
- Norian SRS, chronOS Calcaneal and pilon fractures
- DBX Joint arthrodesis
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