



**DRIVE
BIOMATERIALS**

Synthetic Line

DRIVE BONE B

Tricalcium Phosphate biphasic mixture
BTCP 100%

SPECIFICATIONS

Spherical Granules
Density: $\sim 0.7\text{g/cm}^3$
Total Porosity: 60% - 80%
Cell size: $75\mu\text{m} - 125\mu\text{m}$
Compressive Strength: $>0.2\text{MPa}$
Resorption Time : 4 to 6 months



- CE 1011 -

COMPOSITION

100 % Beta-TriCalcium Phosphate [$\text{Ca}_3(\text{PO})_4$]

Chemical composition and porosity similar to human bone mineral phase.

APPLICATION

Drive Bone B - granules for dental application are intended for filling and reconstruction of bone defects in oral, maxillofacial and dental surgery. (Sinus Lift, GBR,...)

Its interconnected porosity allows a total vascularization of the implant.

ADVANTAGES

- Drive BONE B promotes an **efficient bone growth** due to its chemical composition, three-dimensional porous structure and surface topography that mimic the inorganic phase of bone tissue.
- Drive BONE B has an enhanced **resorption** time : 4 to 6 months.
- Drive BONE B is a **safe synthetic** calcium phosphate with no risks of disease transmissions.

REFERENCES

- TrD105DBONE B 100% BTCP 0,5cc
- TrD110DBONE B 100% BTCP 1cc
- TrD120DBONE B 100% BTCP 2cc

BIOCOMPATIBLE OSTEOCONDUCTIVE SAFE

DRIVE BONE HB

Hydroxyapatite & Tricalcium Phosphate biphasic mixture
HA 25% et BTCP 75%

SPECIFICATIONS

Spherical Granules
Density: $\sim 0.7\text{g/cm}^3$
Total Porosity: 60% - 80%
Cell size: $75\mu\text{m} - 125\mu\text{m}$
Compressive Strength: $>0.2\text{MPa}$
Resorption Time : 4 to 6 months



- CE 0434 -

COMPOSITION

Drive Bone HB - granules for dental application are a synthetic mixture of Hydroxyapatite and β -tricalcium phosphate (β -TCP) which closely resembles the mineral phase of natural bone.

APPLICATION

Drive Bone HB - granules for dental application are intended for filling and reconstruction of bone defects in oral, maxillofacial and dental surgery.

It promotes bone growth and allows the proliferation of fibroblasts, osteoblasts and other cells. (Sinus Lift, GBR,...)

ADVANTAGES

- Drive Bone HB - granules for dental application are **entirely synthetic**. Hence, the product does not involve any risk of adverse immune response.
- Drive Bone HB - granules for dental application are rapidly **osseointegrated** due to its chemical composition, similar to the human bone mineral phase, and to its interconnected porosity, which allows a total vascularization of the implant.
- Drive Bone HB - granules for dental application **unique sphere like shape** allows the filling of irregular shaped cavities.
- Drive Bone HB - granules for dental application are **biocompatible**, radiopaque, and avoid the use of autologous graft.

REFERENCES

- GD105 DBONE HB HA et BTCP 0,5cc
- GD110 DBONE HB HA et BTCP 1cc
- GD120 DBONE HB HA et BTCP 2cc

BIOCOMPATIBLE OSTEOCONDUCTIVE SAFE

DRIVE BONE IBS

Ready to use injectable putty

SPECIFICATIONS

Injectable Bone Substitut

Hydroxyapatite nano-particles in aqueous suspension

Nano-particles diameter: 100nm

Nano-crystallite size: 10µm

Specific Surface area: 80m²/g

Resorption Time : 6 to 12 months



- CE 0434 -

COMPOSITION

Hydroxyapatite nano-particles putty : Hydroxyapatite [Ca₁₀ (PO₄)₆ (OH)₂] / Water (H₂O)

Mimics nano-structure of human inorganic bone, enhancing osseo-conductivity and integration

APPLICATION

Drive Bone IBS for dental application are intended for filling and reconstruction of bone defects in oral, maxillofacial and dental surgery.

ADVANTAGES

- Drive BONE IBS can be used as a **structural support** since it keeps a paste consistency during the regeneration process.
- Drive BONE B is **resorbed in 6 to 12 months** helping the natural bone formation to occur.
- Drive BONE IBS is a **high purity** paste

REFERENCES

- nIBS011 DBONE IBS Hydroxyapatite 1 seringue 1cc
- nIBS031 DBONE IBS Hydroxyapatite 1 seringue 3cc

BIOCOMPATIBLE OSTEOCONDUCTIVE SAFE