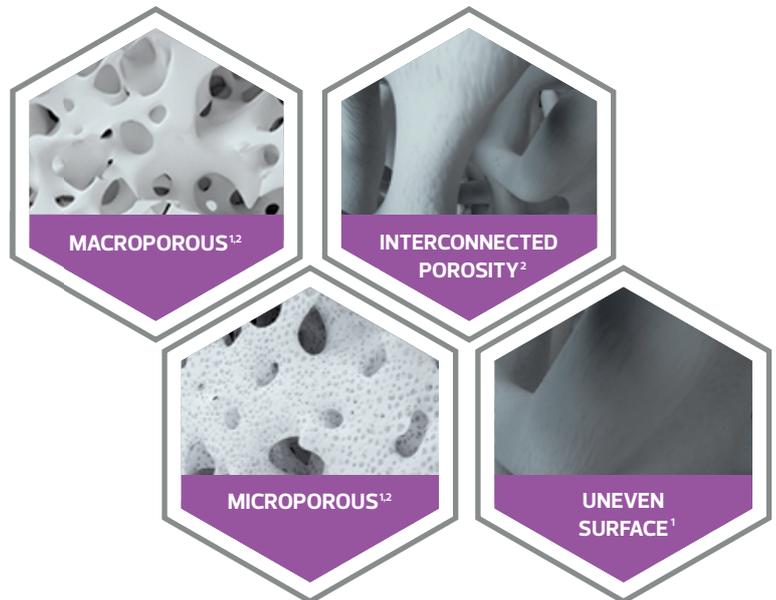


# NEOBONE®

Biphasic osteoconductive scaffold  
 that favors bone regeneration

**Neobone®** is a biphasic resorbable bone substitute. Intended for bony voids that are not intrinsic to the stability of the bone structure. **Neobone®** is used in Orthopaedic and Traumatology.



## SAFETY

The material is synthetic, does not contain animal or human tissues or derivatives.

Absence of immune infectious response or disease transmission.

## QUALITY

Developed under the rigorous standards and quality control of the medical device industry. Bioceramed is a ISO 13485 certified company, and our products are CE marked.

## CHARACTERISTICS

**Neobone®** composed of biphasic mixture 75% Hydroxyapatite and 25%  $\beta$ -Tricalcium Phosphate, showing a good compromise between the mechanical properties and the resorption rate.

**Neobone®** is a porous scaffold with interconnected porosity, enhancing the vascularization and colonization of the graft by the bone cells. **Neobone®** is available in various granules, blocks and wedges sizes.

## OTHER BENEFITS

**Neobone®** is radiopaque, which allow the observation of the healing process.

The use of synthetic grafts avoids the autograft procedure thus minimizing the complications and morbidities associated and reducing the surgery time.

1. TANG, Zhurong et al. The material and biological characteristics of osteoinductive calcium phosphate ceramics. Regenerative biomaterials, v.5, n.1, p. 43-59, 2017.
2. BOULER, Jean-Michel et al. Biphasic calcium phosphate ceramics for bone reconstruction: A review of biological response. Acta biomaterialia, v.53, p. 1-12, 2017.
3. EBRAHIMI, Mehdi; BOTELHO, Michael G.; DOROZHKIN, Sergey V. Biphasic calcium phosphates bioceramics (HA/TCP): Concept, physicochemical properties and the impact of standardization of study protocols in biomaterials research. Materials Science and Engineering: C, v. 71, p. 1293-1312, 2017.

# KEY APPLICATIONS



## TRAUMATOLOGY

Fractures, gaps or skeletal system defects (femur, tibia, humerus, ulna, fibula, calcaneus, hand, among others).



## ORTHOPAEDICS

Non-unions  
Knee osteotomy



## ONCOLOGY

Filling of bone curettage

# References

| REF.     | DESCRIPTION                                |
|----------|--|
| B1010051 | Neobone® Blocks 10x10x5 mm - 1 uni.        |
| B1010053 | Neobone® Blocks 10x10x5 mm - 3 uni.        |
| B1010055 | Neobone® Blocks 10x10x5 mm - 5 uni.        |
| B1030051 | Neobone® Blocks 10x30x5 mm - 1 uni.        |
| B1030053 | Neobone® Blocks 10x30x5 mm - 3 uni.        |
| B1030055 | Neobone® Blocks 10x30x5 mm - 5 uni.        |
| B1030101 | Neobone® Blocks 10x30x10 mm - 1 uni.       |
| B1030103 | Neobone® Blocks 10x30x10 mm - 3 uni.       |
| B1030105 | Neobone® Blocks 10x30x10 mm - 5 uni.       |
| B1515201 | Neobone® Blocks 15x15x20 mm - 1 uni.       |
| B1515203 | Neobone® Blocks 15x15x20 mm - 3 uni.       |
| B1515205 | Neobone® Blocks 15x15x20 mm - 5 uni.       |
| B1515301 | Neobone® Blocks 15x15x30 mm - 1 uni.       |
| B1515303 | Neobone® Blocks 15x15x30 mm - 3 uni.       |
| B1515305 | Neobone® Blocks 15x15x30 mm - 5 uni.       |
| B2020101 | Neobone® Blocks 20x20x10 mm - 1 uni.       |
| B2020103 | Neobone® Blocks 20x20x10 mm - 3 uni.       |
| B2020105 | Neobone® Blocks 20x20x10 mm - 5 uni.       |
| B1010201 | Neobone® Blocks 10x10x20 mm - 1 uni.       |
| B1010203 | Neobone® Blocks 10x10x20 mm - 3 uni.       |
| B1010205 | Neobone® Blocks 10x10x20 mm - 5 uni.       |
| GN405    | Neobone® Irregular granules 0,5-1mm - 0,5g |

| REF.     | DESCRIPTION                                |
|----------|--|
| GN410    | Neobone® Irregular granules 0,5-1 mm - 1g  |
| GN420    | Neobone® Irregular granules 0,5-1 mm - 2g  |
| GN505    | Neobone® Irregular granules 1-2 mm - 0,5g  |
| GN510    | Neobone® Irregular granules 1-2 mm - 1g    |
| GN520    | Neobone® Irregular granules 1-2 mm - 2g    |
| G0204025 | Neobone® Irregular granules 2-4 mm - 2,5cc |
| G020405  | Neobone® Irregular granules 2-4 mm - 5cc   |
| G020410  | Neobone® Irregular granules 2-4 mm - 10cc  |
| G020415  | Neobone® Irregular granules 2-4 mm - 15cc  |
| G020420  | Neobone® Irregular granules 2-4 mm - 20cc  |
| G020430  | Neobone® Irregular granules 2-4 mm - 30cc  |
| G0406025 | Neobone® Irregular granules 4-6 mm - 2,5cc |
| G040605  | Neobone® Irregular granules 4-6 mm - 5cc   |
| G040610  | Neobone® Irregular granules 4-6 mm - 10cc  |
| G040615  | Neobone® Irregular granules 4-6 mm - 15cc  |
| G040620  | Neobone® Irregular granules 4-6 mm - 20cc  |
| G040630  | Neobone® Irregular granules 4-6mm - 30cc   |
| C2015081 | Neobone® Wedges 20x15x8 mm - 1 uni.        |
| C2015101 | Neobone® Wedges 20x15x10 mm - 1 uni.       |
| C2015121 | Neobone® Wedges 20x15x12 mm - 1 uni.       |
| C2015141 | Neobone® Wedges 20x15x14 mm - 1 uni.       |

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