

Bone void filling

Bioabsorbable synthetic bone substitutes



- ▶ Bioabsorbable and osteoconductive
- ▶ Wide range of products
- ▶ Ready to use

Pure Tricalcium Phosphate

SBM, a European pioneer in synthetic bone substitutes with more than 20 years of experience, has developed a complete range of fully absorbable synthetic implants for bone void filling.

By totally controlling its technique in biomaterials, SBM provides high purity β -TCP (Tricalcium Phosphate) implants that are ready to use as cancellous or cortico-cancellous bone.

An implant for each indication

Bio 1[®] is declined in a complete range adapted to specific indications.



Biosorb, a renowned material

Ensuring safety

Synthetic ¹⁻¹¹

Biosorb does not contain any organic phase: no risk of viral contamination from human or animal origin (AIDS, hepatitis, bovine and ovine BSE).

Biocompatible ¹⁻¹¹

Composed of high-purity materials, close from the bone mineral components, Biosorb is perfectly tolerated by the organism. To this day, no allergic reaction or toxicity linked to the material has been reported.

Mechanical resistance ¹⁻¹¹

Bio 1[®] implants were designed and adapted in terms of shape and porosity for each indication and tested in our laboratory. The porosity ranges from 30 to 70%, which offers a mechanical strength similar to the one of cortical bone subjected to compression (up to 45 MPa).

Securing results

Bioactivity ¹²⁻²²

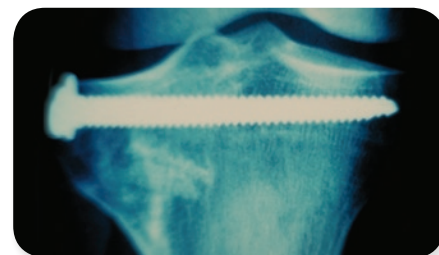
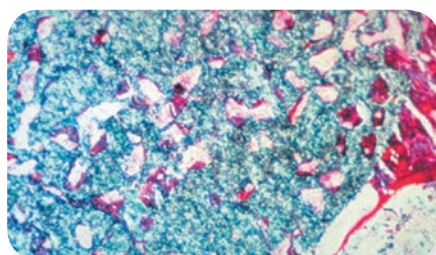
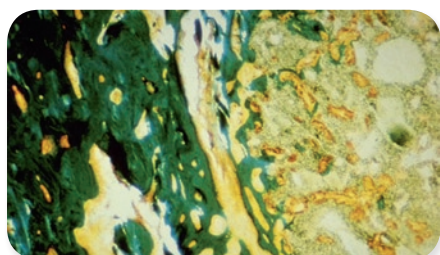
A genuine chemical bond without fibrous interlaying is developed with the bone tissue, without fibrous encapsulation nor inflammation.

Osteoconduction ¹²⁻²²

Complete control of the macroporosity guides bone cell penetration and improves bone graft integration within the bone tissue.

Resorption ¹²⁻²²

Bio 1[®] implants are made of bioabsorbable synthetic Tricalcium Phosphate. Implants are thus replaced by healthy new-formed bone once the cellular resorption process is complete.



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Fundamental studies









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Clinical studies

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Ordering information

BIO 1® synthetic bone substitutes

	Codes	Designation	Packaging
	P822692240	Granules for filling - ø 1 mm (0.6 cc)	1
	P822692243	Granules for filling - ø 1 mm (2 cc)	1
	P822692244	Granules for filling - ø 1 mm (5 cc)	1
	P822692246	Granules for filling - ø 1 mm (15 cc)	1
	P822692444	Granules for filling - ø 1,5 mm (5 cc)	1
	P822692446	Granules for filling - ø 1,5 mm (15 cc)	1
	P822692644	Granules for filling - ø 3 mm (5 cc)	1
	P822692646	Granules for filling - ø 3 mm (15 cc)	1
	P822893229	Macro-porous cubes for filling - 4 x 4 x 4 mm (15 cc)	1
	P822893233	Macro-porous cubes for filling - 4 x 4 x 4 mm (30 cc)	2
	P822893232	Macro-porous cubes for filling - 4 x 4 x 4 mm (45 cc)	3
	P822634240	Sticks for filling - 3 x 3 x 10 mm (0.9 cc)	10
	P822634440	Sticks for filling - 5 x 5 x 10 mm (1.25 cc)	5
	P822634442	Sticks for filling - 5 x 5 x 10 mm (2.5 cc)	10
	P822634441	Sticks for filling - 5 x 5 x 10 mm (5 cc)	20
	P822634446	Sticks for filling - 5 x 5 x 20 mm (0.5 cc)	1
	P822634450	Sticks for filling - 5 x 5 x 20 mm (3 cc)	6
	P822634444	Sticks for filling - 5 x 5 x 20 mm (5 cc)	10
	P822634445	Sticks for filling - 5 x 5 x 20 mm (10 cc)	20
	P822693620	Cubes for filling - 10 x 10 x 10 mm (1 cc)	1
	P822693624	Cubes for filling - 10 x 10 x 10 mm (10 cc)	10
	P822693622	Cubes for filling - 10 x 10 x 10 mm (2 cc)	2
	P822693210	Cubes for filling - 5 x 5 x 5 mm (0.12 cc)	1
	P822693220	Cubes for filling - 5 x 5 x 5 mm (0.25 cc)	2
	P822693221	Cubes for filling - 5 x 5 x 5 mm (0.62 cc)	5
	P822693222	Cubes for filling - 5 x 5 x 5 mm (1.25 cc)	10
	P822693420	Cubes for filling - 7 x 7 x 7 mm (0.34 cc)	1
	P822693421	Cubes for filling - 7 x 7 x 7 mm (0.69 cc)	2
	P822693422	Cubes for filling - 7 x 7 x 7 mm (1.71 cc)	5
	P822694444	Block for filling - 10 x 10 x 25 mm (2.5 cc)	1
	P822374400	Block for filling - 30 x 20 x 10 mm (6 cc)	1
	P822441442	Cylinder for filling - ø 6 mm / L 25 mm	2
	P822441444	Cylinder for filling - ø 6 mm / L 25 mm	4
	P822661222	Cylinder for filling - ø 8 mm / L 10 mm	3
	P822375602	Implant for ankle arthrodesis - 30 x 25 x 7 x 3 mm (3.75 cc)	1
	P822375000	Implant for metatarsian osteotomy - 15 x 10 x 4 x 2 mm (0.45 cc)	1
	P822694220	Implant for patellar filling 10 x 10 x 6 mm	1
	P822311244	Implant for trephine hole filling - ø 10 mm	2
	P822311245	Implant for trephine hole filling - ø 10 mm	3
	P822311444	Implant for trephine hole filling - ø 12 mm	2
	P822311445	Implant for trephine hole filling - ø 12 mm	3
	P822311644	Implant for trephine hole filling - ø 14 mm	2
	P822311645	Implant for trephine hole filling - ø 14 mm	3

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