

ActivaPin™

Implant biorésorbable
bioretéc

Impressive results with Bioretec's bioabsorbable implants

The bioabsorbable fourth generation Bioretec Activa implants have shown excellent results over the past 10 years with 100,000 patients operated: implants maintain their strength and are safely absorbed in the body. The rate of complications has been only 0.01%.



Orthopedic surgeons as well as trauma and sports medicine surgeons have used bioabsorbable fourth generation Bioretec Activa implants for the past 10 years primarily to treat leg, ankle, knee, foot and upper limb fractures and injuries. The Bioretec Activa and CiproScrew™ product families include nails, screws and pins as well as antibiotic-releasing screws.



10 years 100,000 patients and complication rate only 0.01%

Bioretec Activa implants have been used in 33 countries including the United States, France, China, Russia and Brazil. The most systematic monitoring can be found from the Maude system in the United States where no implant-related complications have been reported out of 25,000 patients operated.

"I have used Bioretec bioabsorbable products since 2008, specially Bioretec ActivaScrew™. I encountered no screw breakage during the implantation, neither have we seen any cysts or adverse tissue reactions related to the Bioretec's implants. I am very pleased with results," says professor and Chief Surgeon Tero Järvinen from Tampere University School of Medicine.

The unique material of Bioretec implants offers the required strength and safe bioabsorption

- Maintains its adequate strength for at least eight weeks while being elastic like bone
- Controlled bioabsorption within approx. two years
- No removal operations, typical to metal implants needed: related infections eliminated and patient treatment costs are reduced
- Implants do not remain in a child's growing bone or an elderly person's fragile bone
- Patient satisfaction: no removal operations, thus shorter treatment time and more certain healing



Bioretec's implants have been developed to work together with their environment: the implant is strong when the bone is at its weakest and degrades as the bone becomes stronger. Thanks to the Self-Locking™ technology the diameter of the implant expands, while the Auto-Compression™ ensures the longitudinal contraction of the implant. These features keep the damaged bone under sufficient compression for eight weeks. Once the damaged area has healed sufficiently, the implant degrades by hydrolysis, forming lactic and glycolic acid until it is finally metabolized into carbon dioxide and water. The bioabsorption of the implant takes approximately two years without remarkable fluid accumulation, infections or rejection.

Bioretec Ltd. is a Finnish material technology company focused on the development, manufacturing, marketing and sales of bioabsorbable, bioactive and drug-releasing surgical implants. All Bioretec implants are designed and manufactured in Finland.

ActivaPin™

Codes Produits	Description
B-AP-1520	Broche 1.5 mm x 20mm
B-AP-1530	Broche 1.5 mm x 30mm
B-AP-1540	Broche 1.5 mm x 40mm
B-AP-1550	Broche 1.5 mm x 50mm
B-AP-1560	Broche 1.5 mm x 60mm
B-AP-1570	Broche 1.5 mm x 70mm
B-AP-2020	Broche 2.0 mm x 20mm
B-AP-2030	Broche 2.0 mm x 30mm
B-AP-2040	Broche 2.0 mm x 40mm
B-AP-2050	Broche 2.0 mm x 50mm
B-AP-2060	Broche 2.0 mm x 60mm
B-AP-2070	Broche 2.0 mm x 70mm
B-AP-2750	Broche 2.7 mm x 50mm
B-AP-2770	Broche 2.7 mm x 70mm
B-AP-3270	Broche 3.2 mm x 70mm

Instruments ActivaPin™ pour chirurgie ouverte

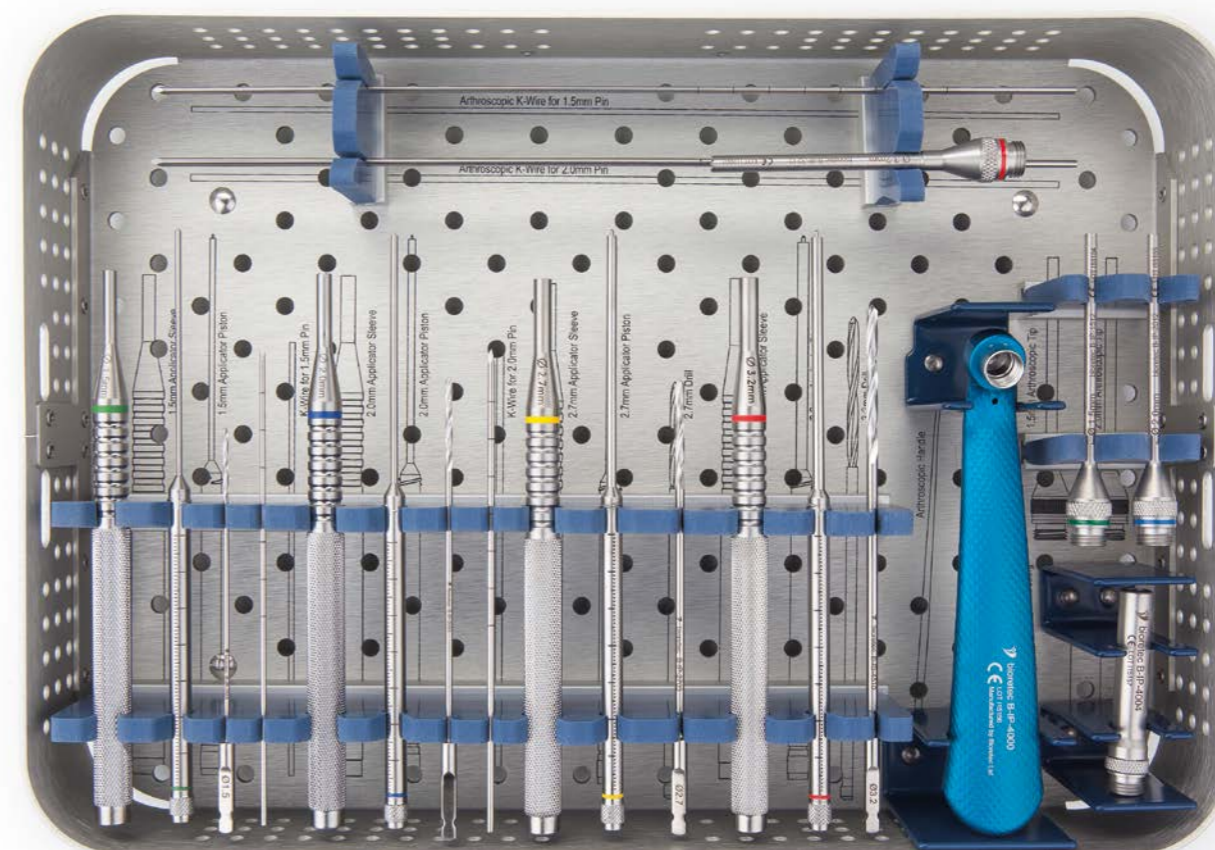
Codes Produits	Description
B-IP-1500	Applicateur réutilisable pour ActivaPin™ 1.5 mm
B-IP-2000	Applicateur réutilisable pour ActivaPin™ 2.0 mm
B-IP-2700	Applicateur réutilisable pour ActivaPin™ 2.7 mm
B-IP-3200	Applicateur réutilisable pour ActivaPin™ 3.2 mm
B-IP-1503	Mèche Ø 1.5 mm (85 mm) à connexion rapide pour ActivaPin™ 1.5 mm
B-IP-2003	Mèche Ø 2.0 mm (100 mm) à connexion rapide pour ActivaPin™ 2.0 mm
B-IP-2703	Mèche Ø 2.7 mm (100 mm) à connexion rapide pour ActivaPin™ 2.7 mm
B-IS-4510	Mèche Ø 3.2 mm (120 mm) à connexion rapide pour ActivaPin™ 3.2 mm
B-IP-1501	Broches de Kirschner (10 pcs) pour ActivaPin™ 1.5 mm
B-IP-2001	Broches de Kirschner (10 pcs) pour ActivaPin™ 2.0 mm
B-IP-2701	Broches de Kirschner (10 pcs) pour ActivaPin™ 2.7 mm

Instruments ActivaPin™ pour arthroscopie

Codes Produits	Description
B-IP-4000	Manche arthroscopique pour l'applicateur d'ActivaPin™
B-IP-4004	Canule arthroscopique pour l'applicateur d'ActivaPin™
B-IP-1504	Broche de Kirschner Ø1.6 mm, long. 260 mm, pour ActivaPin™ 1.5 mm
B-IP-1505	Broche de Kirschner Ø1.6 mm, long. 260 mm, embout conique pour ActivaPin™ 1.5 mm
B-IP-2004	Broche de Kirschner Ø2.0 mm, long. 260 mm, pour ActivaPin™ 2.0 mm
B-IP-1512	Embout d'applicateur arthroscopique pour ActivaPin™ 1.5 mm
B-IP-2012	Embout d'applicateur arthroscopique pour ActivaPin™ 2.0 mm
B-IP-1500	Applicateur réutilisable pour ActivaPin™ 1.5 mm
B-IP-2000	Applicateur réutilisable pour ActivaPin™ 2.0 mm

Accessoires

Codes Produits	Description
B-HTC-1000	Instrument de cautérisation à usage unique
B-IP-4003	Caisse de stérilisation





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