



ORTHOPAEDIC™

Innovation



SmartGel™

A MEDSMART SOLUTIONS FAMILY MEMBER

SmartGel™ Synthetic Osteoconductive Gel

SmartGel™ synthetic osteoconductive gel is intended to be used as a bone void filler in areas that are not intrinsic to the stability of the bone. It is used in the treatment of osseous defects resulting from trauma, surgically created defects including metaphyseal bone defects, resection defects after osteotomy or bone harvesting, filling of bone voids after the removal of cysts and benign tumours and post traumatic bone defects.

SmartGel™ is a suspension containing, in similar proportions by weight/volume two fine granule sizes of synthetic osteoconductive scaffold, in a reverse phase hydrogel carrier. It is entirely synthetic, manufactured using pharmaceutical grade compounds to exclude any possibility of allogenic/xenogenic contamination. A proprietary manufacturing process, strictly controlled by an ISO 13485 quality assurance system, ensures a highly pure and consistent material.

SmartGel™ is presented in a polycarbonate syringe with a luer-lock connection and is supplied sterile, packed in a double pouch (inner foil and outer Tyvek) for single patient use. It offers all the benefits of a high quality β TCP bone substitute with improved handling characteristics even when compared to allografts.

- **Mimics the geometry and chemistry of human bone matrix to function as an osteoconductive template which is replaced by regenerating bone.**
- **The interconnected porosity of the gel is controlled to provide a three-dimensional scaffold that supports vascularisation and early cell attachment.**
- **Resorbed physiologically, optimising the microporous surface of the gel for early cell attachment.**

SmartGel™ Synthetic Osteoconductive Gel

Quantity (cc)	Product Code
1	OI10393
2.5	OI10394
5	OI10395
10	OI10396



Orthopaedic Innovation Limited

6 Carrera Court, Church Lane Dinnington
Sheffield, S25 2RG, United Kingdom

Tel: +44 1909 550869, Fax: +44 1909 519528

Web: www.orthopaedicinnovation.com

E-mail: info@orthopaedicinnovation.com