

Туре	Item No.	Size
Block Type Height x Length x Width(mm) 5x5x10 5x5x5 7x7x7 8x9x10 10x11x12	TCB-01	7x7x7mm
	TCB-02	8x9x10mm
	TCB-03	10x11x12mm
	TCB-05	5x5x5mm
	TCB-06	5x5x10mm
Ring Type Height(mm) x Inner(ø) x Outer(ø) 5mm	TCR-01	5x3x8mm
	TCR-02	5x4x9mm
	TCR-03	5x5x10mm

Clinical Report



LEE, Jae-Hong; JUNG, Eun-Hee; JEONG, Seong-Nyum. Augmentation Stability of Guided Bone Regeneration for Peri-Implant Dehiscence Defects with L-shaped Porcine-Derived Block Bone Substitute. Materials, 2021, 14.21: 6580.



LEE, Jae-Hong; JEONG, Seong-Nyum. Use of Porcine-derived Block Bone Substitutes for Guided Bone Regeneration in the Peri-implant Dehiscence Defects of the Mandibular Anterior Region. 2021

Case Report



LEE, Jae-Hong; JUNG, Eun-Hee; JEONG, Seong-Nyum. Profilometric, volumetric, and esthetic analysis of guided bone regeneration with L-shaped collagenated bone substitute and connective tissue graft in the maxillary esthetic zone: A case series with 1-year observational study. Clinical Implant Dentistry and Related Research, 2022, 24.5: 655-663.



Immediate Implant-Ring
Management of non-contained extraction socket Simultaneous Augmentation

Reference

- 1) U. Cheema, M. Ananta, V. Mudera. Collagen: Applications of a Natural Polymer in Regenerative Medicine. Regenerative Medicine and Tissue Engineering, 2011.
- Orberna, M. Arlania, V. Middera. Collagen: Applications of a Natural Polyfrier in Regenerative Medicine. Regenerative Medicine and Tissue Engineering, 2011.
 KY Jang, JH Lee, SH Oh, BD ham, SM Chung, JK Lee. Bone graft materials for current implant dentistry. Journal of Dental Implant Research 2020; 39(1): 1-10
 Wahl, D.; Czernuszka, J. Collagen-Hydroxyapatite Composites for Hard Tissue Repair. Eur. Cells Mater. 2006, 11, 43–56.
 Thunwa Binlateh, Peungchaleoy Thammanichanon, Pawornwan Rittipakorn, Natthapol Thinsathid, Paiboon Jitprasertwong. Collagen-Based Biomaterials in Periodontal Regeneration: Current Applications and Future Perspectives of Plant-Based Collagen. Biomimetics. 2022, 24;7(2):34.
- 5) Ryan, A.; Gleeson, J.P.; Matsiko, A.; Thompson, E.M.; O'Brien, F.J. Effect of different hydroxyapatite incorporation methods on the structural and biological properties of porous collagen scaffolds for bone repair. J. Anat. 2015, 227, 732-745.

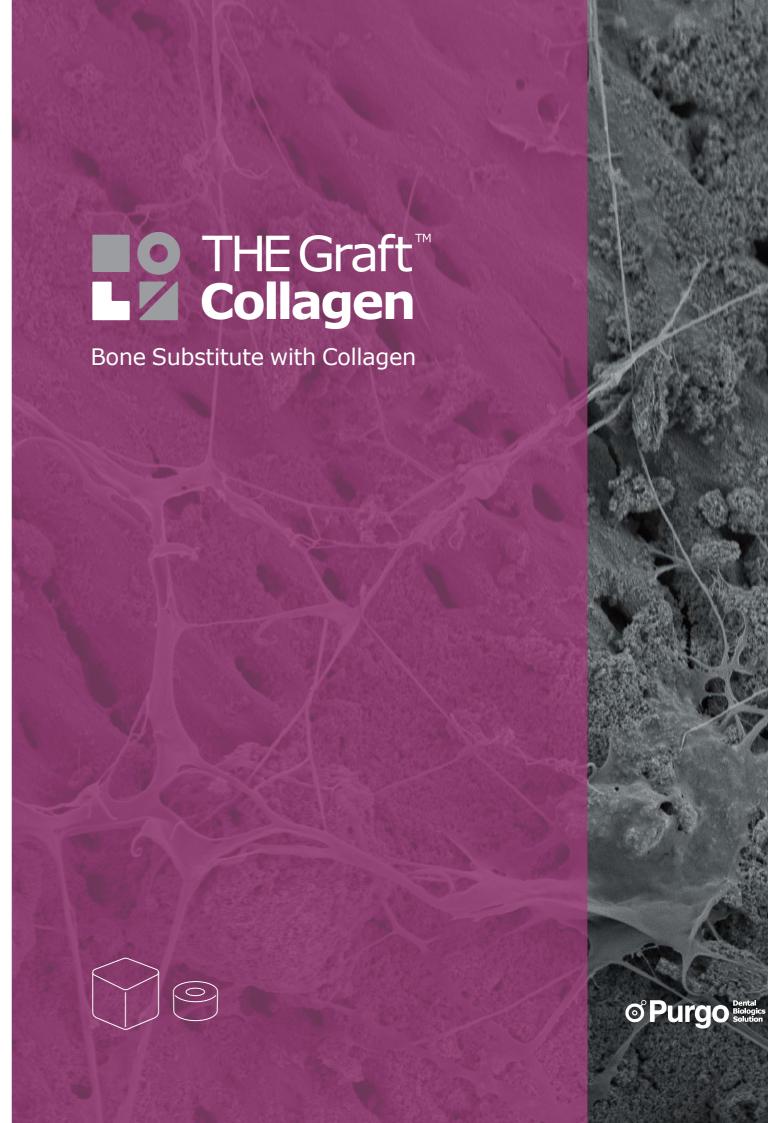
Manufacturer Purgo Biologics Inc.

812, 27, Dunchon-daero 457beon-gil, Jungwon-gu, Seongnam-si, Gyeonggi-do, 13219, Korea Tel. +82 70 4827 5352 | E-mail. overseas@purgobio.com | www.purgobio.com



1 Square Félix Bloch - Pôle Activ Océan - 85300 Challans - France Tel. +33 (0)2 28 10 61 02 | E-mail. europe@purgobiologics.com | www.purgo-europe.com



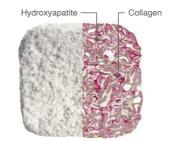




Bone Substitute with Collagen

THE Graft™ (porcine-derived Xenograft) + Type I Collagen

- THE Graft™ Collagen block is composed of hydroxyapatite derived from porcine cancellous bone(THE Graft™) and Type 1 collagen from porcine tendon in a shape of a block or a ring.
- THE Graft™ Collagen bone mineral matrix is similar to physical and chemical aspects of human bone mineralized matrix.
- THE Graft™ Collagen was developed to enhance user convenience, and it is a bone graft intended to fill, augment, and/or reconstruct periodontal, oral, and maxillofacial defects.



• Due to the properties of fibrous collagen, THE Graft™ Collagen can be trimmed and/or molded to the various defect shapes and can be fixed in bone defect site. As time passes, THE Graft™ Collagen is partially transformed by the osteoclast and osteoblast cells.

WHY THE Graft Collagen™

- While being manufactured, the structure of THE Graft™ is maintained and the shape of matrix is preserved as the fibrous collagen holds the granules in
- A high surface energy and porosity of Matrix ease the migration, adhesion, and growth of cells, which is helpful for bone regeneration and volume stability.
- Collagen promotes not only healing and regeneration but also hemostasis.
- Consistency, safety, and effectiveness of products are ensured through overall quality control from raw material selection to the final product.



Various Shapes & Sizes

Block Type















Ring Type





TCR-03







Excellent Hydrophilicity

- High surface energy and interconnective pores allow to have high hydrophilicity.
- High hydrophilicity enables the absorbance of more blood and is advantageous for attracting proteins such as growth factors and cytokines needed for new bone regeneration.

| Hydration Test | (After 4sec)









Easy Handling & Moldable

- THE Graft™ Collagen is a moldable bone graft material due to its easy handling before and after hydration.
- With excellent handling property, THE Graft™ Collagen can be adapted to each defect site with more ease.









Excellent Bone Remodeling

- THE Graft™ Collagen prevents the collapse of the introduced space for bone formation, providing space-making stability and volume maintenance.
- Balanced interconnective pores play a decisive role in the recruitment and penetration of cells from surrounding bone tissue as well as osteoconductivity in bone regeneration.
- The high osteoconductivity of THE Graft™ Collagen allows rapid remodeling through integration with new bone.

