

THE Cover™



Leading the New Standard of Regeneration

Founded in 1999, Purgo Biologics strives to become one of the leading global companies in oral health care with its focus on safe biomaterials for soft tissue and bone regeneration.

Based on the specialized experiences accumulated by our outstanding research personnel, Purgo Research and Development Center based in Seoul is thriving to become the best in the world, specifically in the expertise of oral biomaterials for soft tissue and bone regeneration. All members in Research and Development Center are pursuing the optimized technical developments with various clinical studies, cooperative research with the governments, clinicians and educational institutions.

The solutions manufactured by Purgo are gaining fame throughout the world and Purgo's solutions are widely accepted by global dentists from more than 30 countries.

Our production site is complying with the most international quality standards and regularly inspected by international agencies. Each production stage of our biologics solutions are controlled from the selection of the raw material to the final product.

Purgo Biologics is not just a manufacturer of bone grafting biomaterials.
Our commitment goes far beyond products: we develop high-performance biological solutions designed to support optimal regeneration of both hard and soft tissues.

At Purgo Biologics, every innovation is guided by one fundamental principle : respect for biology.
Our solutions are biocompatible, effective, and developed without biological compromise, supporting natural regenerative processes and delivering reliable, long-lasting outcomes.

Because regeneration is not about filling, but about rebuilding, Purgo Biologics stands as the biological choice in bone and tissue regeneration.
Purgo Biologics — THE Right Choice !

Purgo Biologics



THE Graft™

Natural bone graft
Page 4 to 9

THE Graft Collagen

Collagenated bone block
Page 10 to 13

THE Cover™ [Flex-Stiff]

Natural resorbable collagen membrane
Page 14 to 17

THE Cover™ X^{tend}

Peritoneum resorbable collagen membrane
Page 18 to 21

THE Cover™ Pericardium

Pericardium resorbable collagen membrane
Page 22 to 25

OpenTex®

Non-resorbable PTFE membrane
Page 26 to 29

OpenTex® -TR

Non-resorbable PTFE titanium reinforced membrane
Page 30 to 33

Botex®

Non resorbable PTFE suture
Page 34 to 37

An Immune-Safe, Resorbable Collagen Membrane



THE Cover™

THE Cover™ is a resorbable collagen membrane consisting of porcine-originated Type I Collagen.

- ✓ THE Cover™ is a resorbable membrane originated from a pure Type I Collagen, and it's highly biocompatible and cell-friendly since chemical crosslinking agent was not used.
- ✓ There are two types of THE Cover™; THE Cover™ Flex (0.3mm) offering easy handling experiences and THE Cover™ Stiff (0.5mm) more favorable for space maintenance.



THE Cover™ Flex
0.3mm

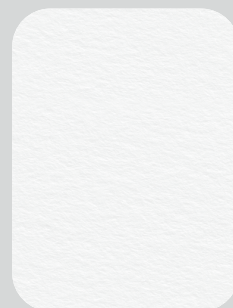


THE Cover™ Stiff
0.5mm

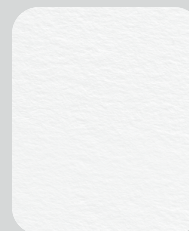


Benefits

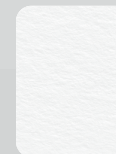
- Easy-to-handle
- Hydrophilic
- Space maintenance
- Good flexibility and extension



30 x 40 mm



25 x 30mm



15 x 20mm

Specifications

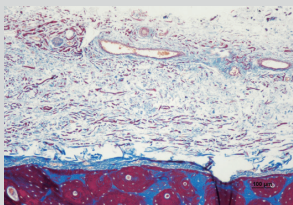
THE Cover™

Description	Item NO.	Unit Size
THE Cover™ Flex (0.3mm)	BP3-1520	15mm x 20mm
	BP3-2530	25mm x 30mm
	BP3-3040	30mm x 40mm
THE Cover™ Stiff (0.5mm)	BP5-1520	15mm x 20mm
	BP5-2530	25mm x 30mm
	BP5-3040	30mm x 40mm

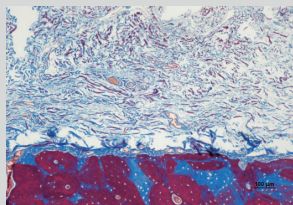
THE Cover™ Biocompatibility and Safety

THE Cover™ is a resorbable collagen membrane consisting of porcine originated Type I Collagen. It is safe and has high biocompatibility as manufactured by an inherent physical crosslinking method (Self-Assembly Technology) of Purgo without using any chemical crosslinking agents.

In-vivo beagle experiment (Masson Trichrome)*^[11]

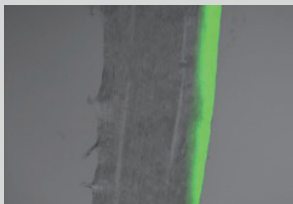


THE Cover™ (Flex)

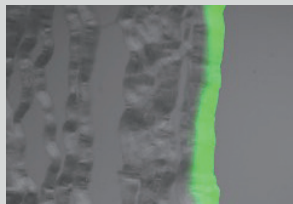


THE Cover™ (Stiff)

Infiltration Test



THE Cover™ (Flex)



THE Cover™ (Stiff)

THE Cover™ Hydrophilicity and Morphology maintenance

THE Cover™ is hydrophilic and has excellent adhesion as it maintains its shape even after being left at room temperature for more than 30 minutes after hydration.

Dehydration Test (After 30min)

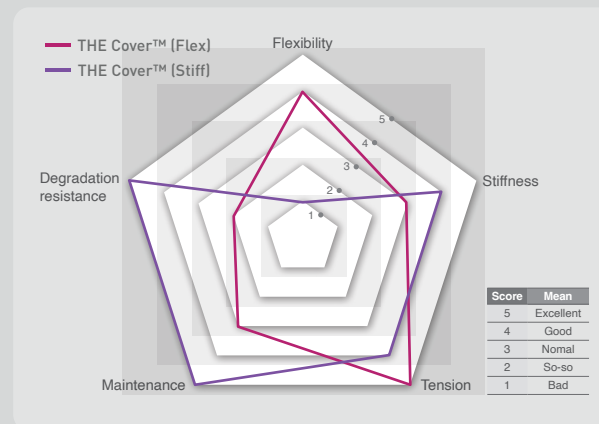


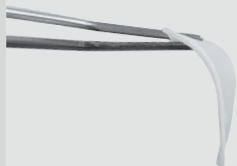
THE Cover™ (Flex)



THE Cover™ (Stiff)

Radial Graphs





THE Cover™ Flex or THE Cover™ Stiff

THE Cover™ Flex can cover an irregular surface with high flexibility.

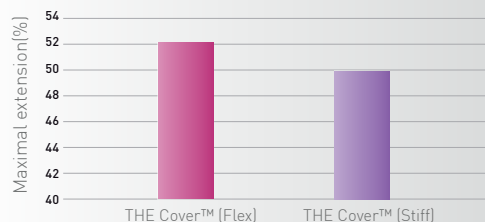
It has practically useful extension and offers convenient handling.

THE Cover™ Stiff is favorable for space maintenance with its high stiffness and ability to maintain space.

It is strongly resistant to biodegradation and suitable for indication that requires a longer time for bone maturation.



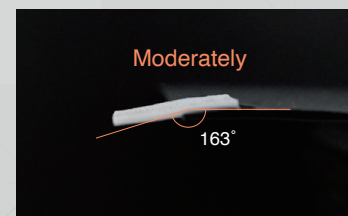
Extension



Flexibility

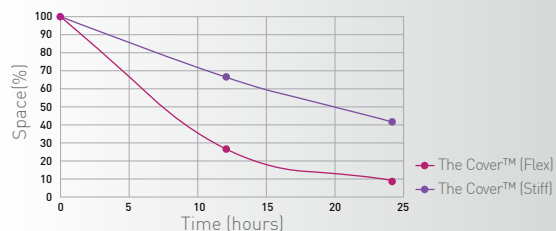


THE Cover™ (Flex)

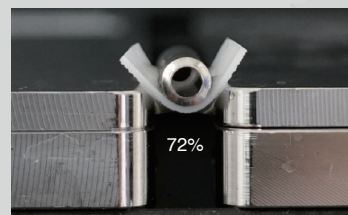


THE Cover™ (Stiff)

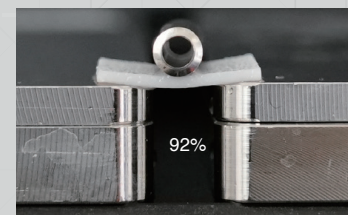
Collagenase degradation



Maintenance



THE Cover™ (Flex)



THE Cover™ (Stiff)

Recommended

Classification	BONE GRAFT		MEMBRANE						SUTURE
	Xenograft	Xenograft with collagen	Resorbable collagen membrane				Non-resorbable PTFE		PTFE Suture
	THE Graft	THE Graft Collagen	THE Cover Flex	THE Cover Stiff	THE Cover Xtend	THE Cover Pericardium	OpenTex	OpenTex-TR	Biotex
Management of contained extraction socket	●	●	●		●	●			●
Management of non-contained extraction socket	●	●		●		●	●	●	●
Augmentation of minor bone defect	●	●	●		●	●			●
Augmentation of major bone defect	●			●		●	●	●	●
Sinus floor augmentation	●	●	●	●	●				●
Periodontal defects	●	●	●	●	●	●			●
Peri-implantitis	●	●	●	●	●	●			●
Immediate implant	●	●	●	●	●	●			●
Soft tissue volume		●							●

Scientifically supported and clinically-proven products



53+

Countries Approval



34+

Countries Sales



59+

Papers Published



30+

Papers SCI Journal





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THE Graft™, OpenTex®,
OpenTex® TR, Biotex®,
THE Graft™ Collagen,
THE Cover™.

Clinical Case Book #1



Clinical Case Book #2

