

**::OpenTex<sup>®</sup>-TR**

**oPurgo** Dental  
Biologics  
Solution



### **“Purgo focuses on Bone and Membrane only!”**

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.

Availability of words may vary from country to country.

*We had a desire.*

*A desire to provide Valuable & Worthwhile products for our family. That's why we are here to let them smile shine and brightly again.*

Purgo Biologics



## THE Graft™

Natural bone substitute

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## THE Graft Collagen

Bone substitute with collagen

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## THE Cover™

Resorbable collagen membrane

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## BioCover™

Resorbable collagen membrane

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## OpenTex®

Non-resorbable PTFE membrane

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## OpenTex® -TR

PTFE Titanium reinforced membrane

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## Biotex®

Suture for dental implant surgery

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**Make smart decision with smart alternative !**



**OpenTex®-TR**

Membrane is composed of 100% polytetrafluoroethylene (PTFE) sheet and grade 1 titanium frame, which are biologically inert and tissue compatible.

OpenTex®-TR Non Resorbable PTFE Membrane with titanium frame is designed to have a suitable surface structure and porosity to prevent integration and passage of bacteria within the interstices of the material, while maintaining space for host cells adhesion to the device.

OpenTex®-TR provides a favorable environment for neovascularization and healing of defects, through repopulating the bone derived cells and protecting the bony defects from migration of the gingival tissue derived cells.

Since the adequate space maintenance is critical to this procedure, the membrane is sufficiently stiff to prevent spontaneous collapse, but also flexible enough to easily conform to tissue contours and reduce perforations of overlying soft tissue. [9]



[9] Clinical evaluation of vertical ridge augmentation using titanium reinforced PTFE membrane. Department of periodontology, Dental hospital service medical center. Seoul. Korea. The Korean academy of oral maxillofacial implantology Vol.22. No.1. 2018

## PTFE Titanium reinforced membrane

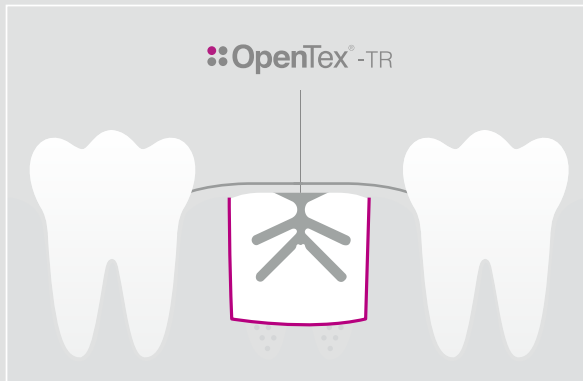


### Indications

- Extraction socket reconstruction
- Bone regeneration
- Where primary closure isn't possible








### Primary Closure



### Specifications

#### OpenTex® -TR

Item NO.	Size	Shape Image
OpenTex-TR_P01	17 mm x 25 mm	
OpenTex-TR_P02	24 mm x 30 mm	
OpenTex-TR_P03	17 mm x 25 mm	
OpenTex-TR_P05	12 mm x 24 mm	
OpenTex-TR_P06	14 mm x 24 mm	
OpenTex-TR_P07	30 mm x 40 mm	

## OpenTex®-TR Main Features



Non-Resorbable



Minimally Invasive



Optimal rigidity for  
space maintenance



17 x 25 mm

OpenTex-TR\_P01



24 x 30 mm

OpenTex-TR\_P02



17 x 25 mm

OpenTex-TR\_P03



12 x 24 mm

OpenTex-TR\_P05



14 x 24 mm

OpenTex-TR\_P06



30 x 40 mm

OpenTex-TR\_P07

## OpenTex®-TR Benefits

### 1 Optimal rigidity and strength for space making

OpenTex®-TR is optimal product which is able to be trimmed easily and it is solid enough for space making since it is reinforced with titanium frame.

### 2 Diverse embedded titanium frame

OpenTex®-TR is designed in various shapes to meet surgeon's demand.

### 3 Excellent tissue interaction

Its micro porous structure helps the tissue interaction.

### 4 Easy of use

OpenTex®-TR can be trimmed easily and also removed easily.

## Characteristics of OpenTex®-TR



- ✓ Membrane can be molded and shaped for tenting and space maintenance.
- ✓ The rigidity of the membrane is enhanced to be used for space maintenance.
- ✓ Provides additional stability in large, non-space-making osseous defects.
- ✓ Provide with little memory of Titanium frame, which enables easy placement of the membrane.
- ✓ Ability to withstand exposure.

**THE Graft™**



**THE Cover™**

**::BioCover™**

**::OpenTex®**

**::OpenTex® -TR**

**Biotex®**



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