

T-Gen

Absorbable Collagen Membrane



Distributore per l'Italia:

TITANIUM[®]
— GROUP —

T-Gen

Absorbable Collagen Membrane

T-Gen is an absorbable dental membrane for guided bone regeneration made of purified collagen without cross-linking or chemical treatment.



Advantage of the Product

Better Stability

- Excellent tear resistance
- Prolonged barrier function and duration

Better Tissue Integration

- Excellent assistance for fast blood supply to the defect
- Lower incidence of soft tissue dehiscence

Better Handling

- No need of distinction, either side can be placed against the defect
- Fast hydration and excellent tensile strength
- Good adaptation to various defects

Product Comparison (T-Gen versus B product)

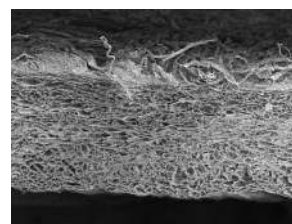
Better Stability

T-Gen functions as a barrier to provide the prolonged space maintenance with the long resorption period. T-Gen is biodegradable and absorbed within 24 weeks after implantation.

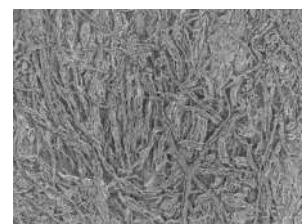
Better Tissue Integration

Product	Porosity
T-Gen	$80.5\% \pm 6.08\%$
B product	$65.7\% \pm 2.8\%$

T-Gen has high porosity and specific surface area, which support excellent blood supply. This ensures optimal regeneration of bone and soft tissue.

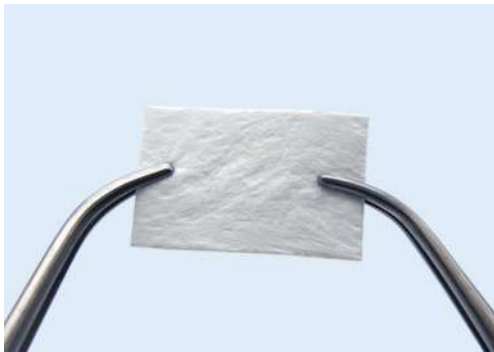


[The cross-section view]



[The plain view]

Better Handling

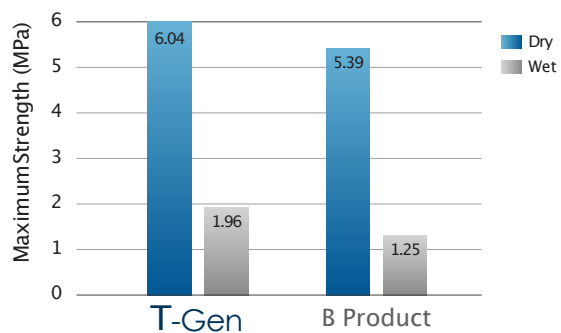


Before hydration



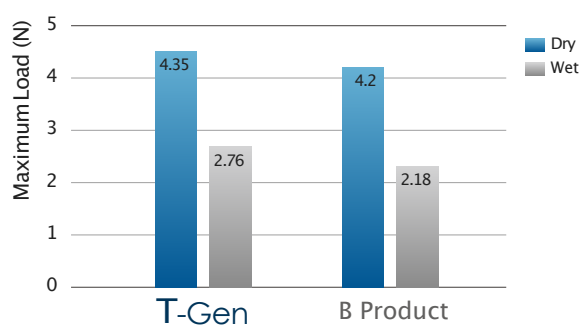
After hydration, excellent tensile strength

Tensile Strength Test



T-Gen has excellent tensile strength and thus, it can enable better handling properties for tear resistance in surgery than other products. In addition, T-Gen features excellent adaptation to surface contour due to fast hydration and excellent flexibility.

Suture Pullout Strength Test



The suture pullout strength of T-Gen is higher than a comparable membrane due to its distinct structure. It enables enough mechanical strength and low risk of detachment.

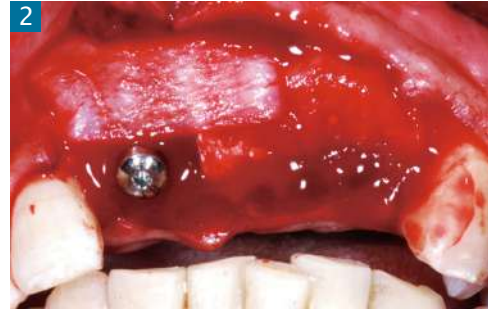
Clinical Cases

Dehiscence Defect

Case 1



Large buccal dehiscence defect



Covering of the augmentation area with T-Gen

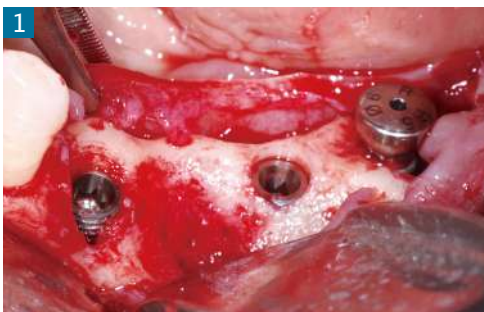


Satisfactory soft tissue formation



Excellent new bone formation after four months post-operatively

Case 2



Buccal dehiscence defect



Covering of the augmentation area with T-Gen



Stable healing of soft tissue



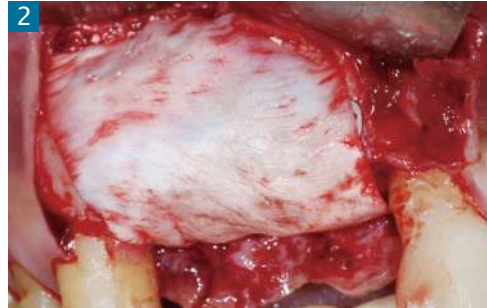
Satisfactory new bone formation without tissue ingrowth after three months

Fenestration Defect

Case 1



Large buccal dehiscence defect and fenestration



Complete covering of the augmentation area with T-Gen

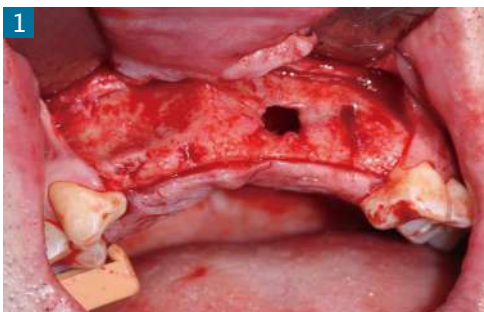


Stable healing of soft tissue



Excellent osseous integration showing after four months post-operatively

Case 2



Buccal bone fenestration



Complete covering of the augmentation area with T-Gen



Satisfactory soft tissue healing



Perfect bony healing after four months

Horizontal Augmentation

Case



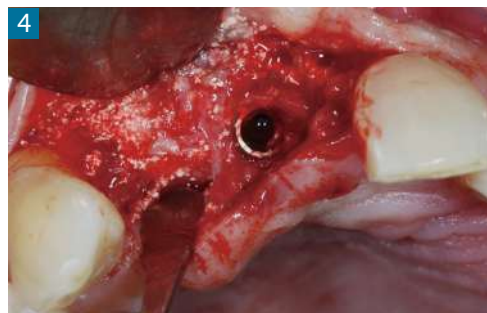
Horizontal bone defect



Complete covering of the augmentation area with T-Gen



Satisfactory soft tissue formation with volume maintenance



Excellent new bone formation in secondary surgery

Ridge Reconstruction

Case



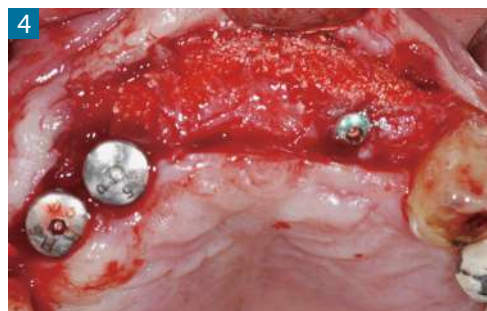
Large bone defect around immediate implant installation



Complete covering with T-Genin the alveolar augmentation site



Stable soft tissue formation with volume maintenance



Excellent osseous integration showing after four months

Ridge Preservation

Case



Bone defect showing around immediate implant insertion



Complete covering with T-Gen for ridge augmentation



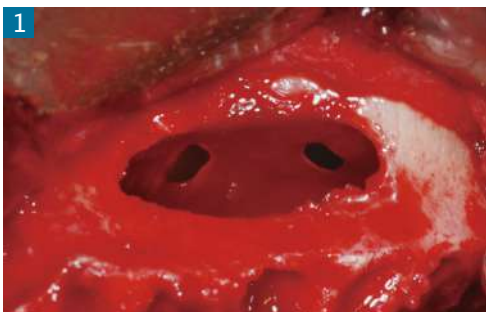
Stable condition of soft tissue



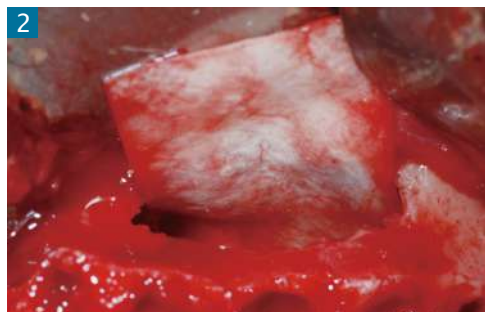
Perfect bone regeneration after four months post-operatively

Sinus Perforation

Case



Perforation in lateral site



Place T-Gen into the sinus cavity



Covering T-Gen in the augmentation site



Perfect soft tissue condition with stable volume maintenance after six months



Informazioni sul prodotto



Informazioni per ordini

	Codice	Taglia
T-Gen	TG-1	15mm x 20mm
	TG-2	20mm x 30mm
	TG-3	30mm x 40mm

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