

T-Gen

Absorbable Collagen Membrane



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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 Handling

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

Better Stability

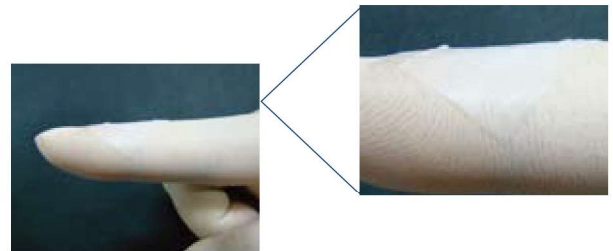
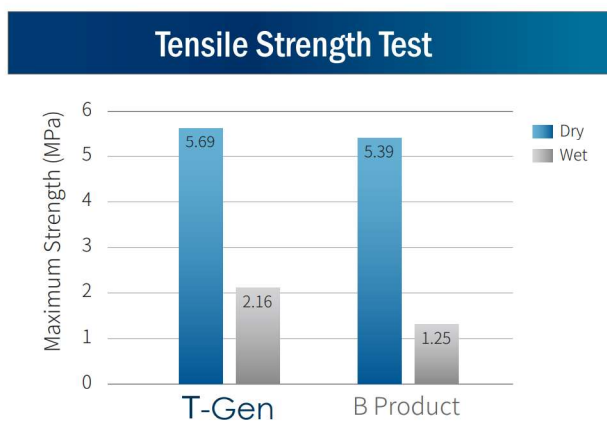
- Excellent tear resistance
- Prolonged barrier function and duration

Better Tissue Integration

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

Product Comparison (T-Gen versus B product)

Better Handling



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.

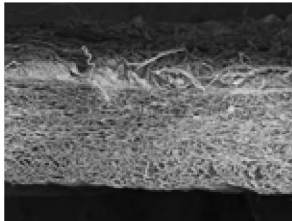
Better Stability

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.

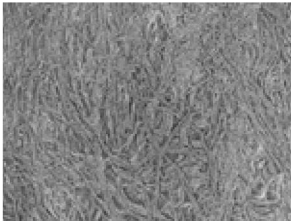
Better Tissue Integration

Product	Porosity
T-Gen	87.5% ± 1.9%
B product	65.7% ± 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.

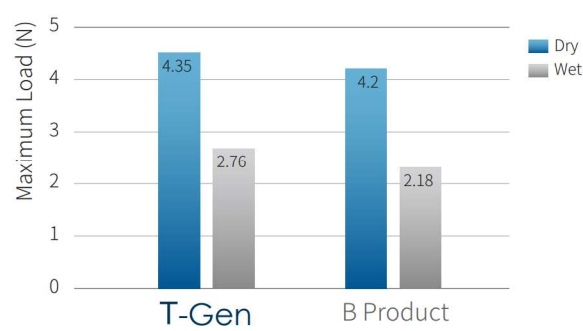


[The cross-section view]



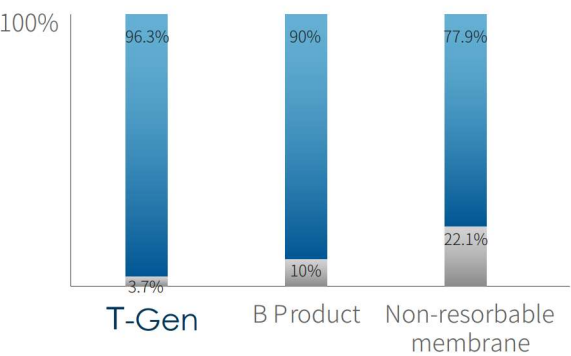
[The plain view]

High Suture Pullout Strength



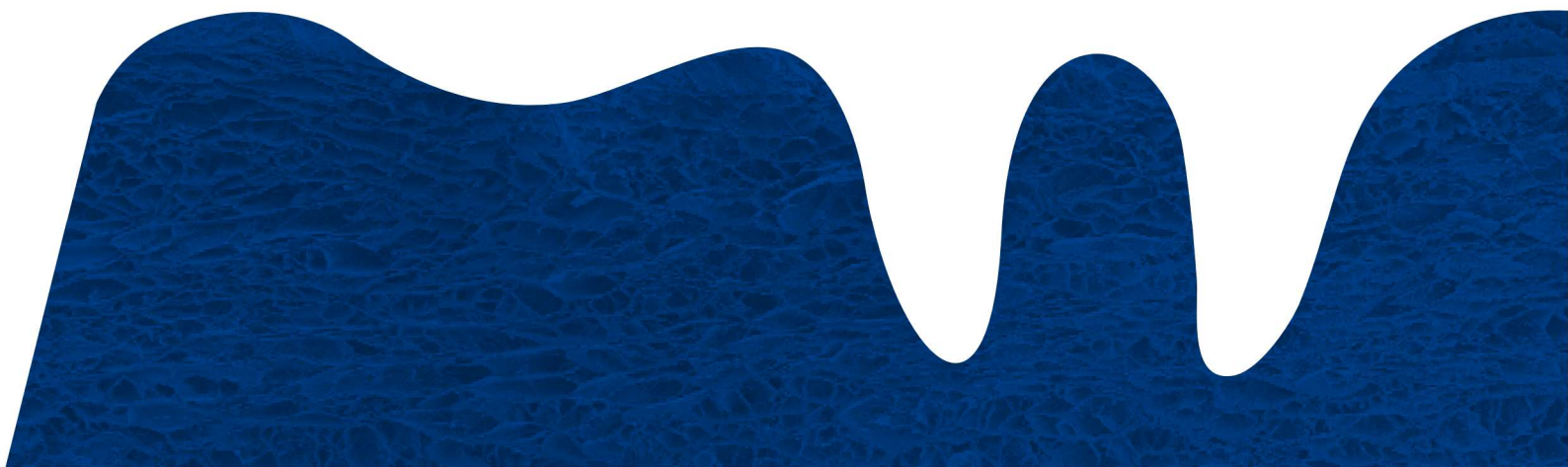
The suture pullout strength of T-Gen is higher than a comparable membrane due to its distinct structure. It enables enough mechanical strength and low risk of detachment.

Reliable Barrier Function



- Complication-free healing
- Soft-tissue dehiscence

T-Gen ensures the significantly lower incidence of soft tissue dehiscence due to natural collagen structure compared with other available membranes.



Clinical Cases

Dehiscence Defect

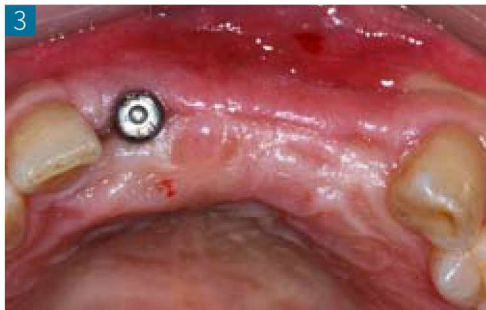
Case 1



Large buccal dehiscence defect



Covering of the augmentation area with T-Gen

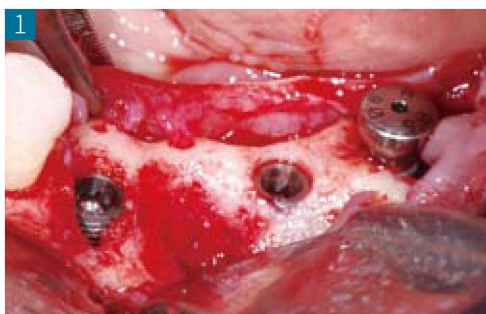


Satisfactory soft tissue formation



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



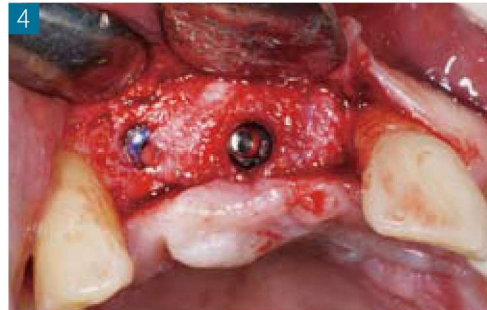
Large buccal dehiscence defect and fenestration



Complete covering of the augmentation area with T-Gen

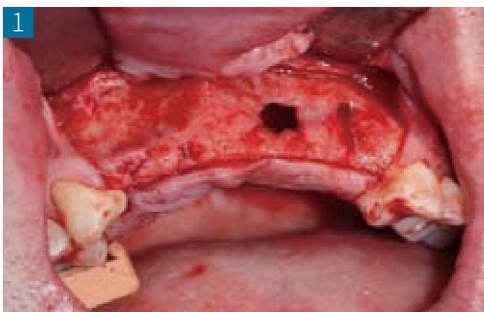


Stable healing of soft tissue

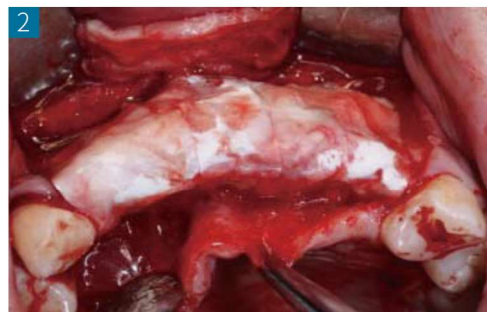


Excellent osseous integration showing after four months post-operatively

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



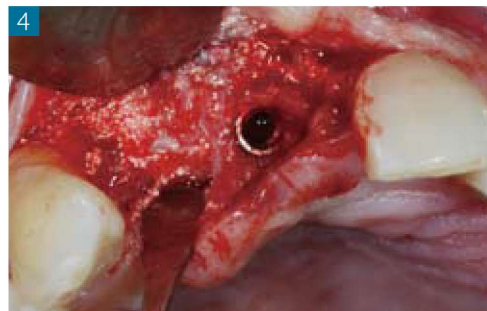
Horizontal bone defect



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-Gen in the alveolar augmentation site



Stable soft tissue formation with volume maintenance



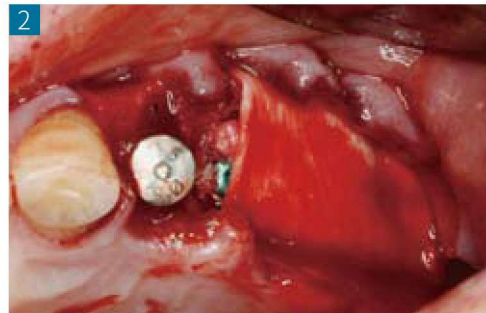
Excellent osseous integration showing after four months

Ridge Preservation

Case



Bone defect showing around immediate implant insertion



Complete covering with T-Gen for ridge augmentation



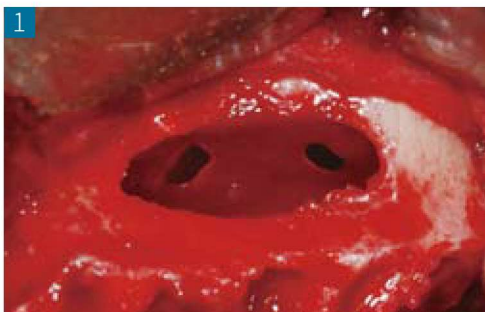
Stable condition of soft tissue



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



Ordering Information

Brand name	Model No.	Size
T-Gen	TG-1	15mm x 20mm
	TG-2	20mm x 30mm
	TG-3	30mm x 40mm



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