

Dental Implant
TECHNOLOGIES

**OssGuide® Absorbable Porcine
Collagen Membrane**



For Dental Surgery—High Quality, Easy Handling, Convenience.

T-Gen: Absorbable Collagen Membrane

T-Gen is an effective absorbable collagen membrane that offers superior performance through efficient handling, improved stability, and better tissue integration. It is suited to a wide range of procedures where a reliable absorbable barrier is indicated, it is the ideal collagen membrane for dental surgeons.

The Benefits of T-Gen Absorbable Collagen Membrane

T-Gen provides improved handling for clinicians.

- Excellent handling with identical upper and lower sides.
- Hydrates rapidly with high tensile strength.
- Easily conforms to a variety of defects.

T-Gen offers higher stability than traditional membranes.

- High level of tear resistance.
- Excellent barrier function with enhanced duration.

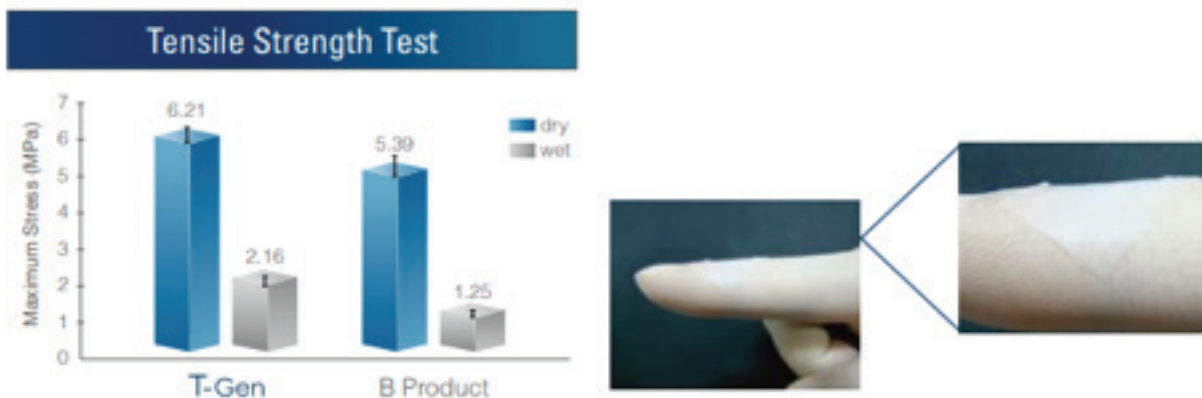
T-Gen efficiently integrates with the tissue.

- Low incidence of dehiscence.
- Rapidly promotes blood supply to a defect for augmentation and healing.

Product Comparison (T-Gen vs. B Product)

T-Gen has been proven in demanding clinical environments to provide better handling, stability, and tissue integration when compared to a controlled B product.

Superior Handling



T-Gen offers better tensile strength when compared to existing solutions. It displays high resistance to tearing during surgical application. The handling is superior to competing products, making surgeries safer and more streamlined. Rapid hydration and flexibility allow the membrane to easily conform to the surgical site.

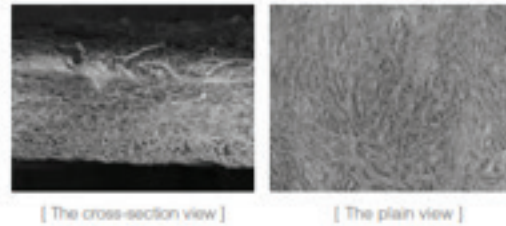
Superior Stability

Product	Biodegradable period
T-Gen	More than 3 months
B product	Within 2 months

T-Gen offers a prolonged resorption rate, so it lasts longer than the B-Product. The barrier can last for periods exceeding three months, compared to just two months for the comparison.

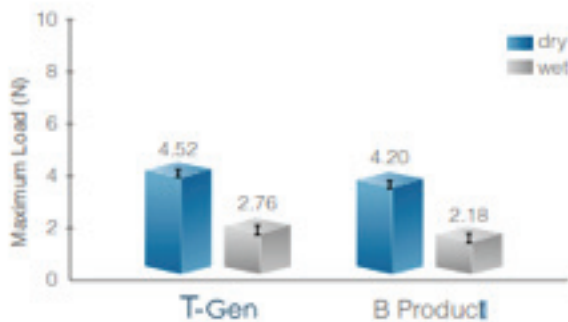
Superior Tissue Integration

Product	Porosity
T-Gen	87.5% ± 1.9%
B product	65.7% ± 2.8%



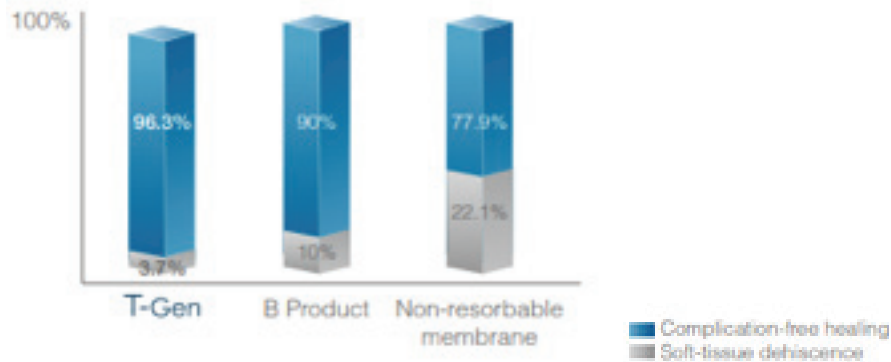
The significantly higher level of porosity for T-Gen allows for efficient regeneration of soft tissue and bone while the protective membrane barrier is maintained. The surface area is specifically suited to promoting blood supply for healing.

Superior Suture Pullout Strength



The superior suture pullout strength of the T-Gen absorbable collagen membrane is preferred in clinical applications. The mechanical strength, created by the unique membrane structure, allows a very low risk of detachment. T-Gen displays resistance to higher loads than the comparison.

Superior Barrier Function



A naturally-derived collagen structure vastly outperforms non-resorbable membranes and even the B product absorbable membrane. The barrier allows for a long period of complication-free healing and the lowest possible incidence of soft tissue dehiscence.

Clinical Cases

The suitability and efficacy of T-Gen as an absorbable collagen membrane are evident when viewing previous case studies. T-Gen offers the best combination of handling, strength, flexibility, and barrier protection for practicing clinicians and their patients.

T-Gen Collagen Membrane used During Dehiscence Defect Treatment

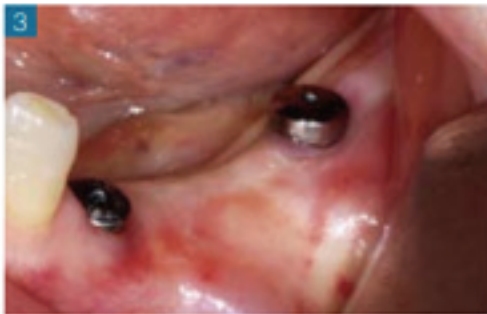
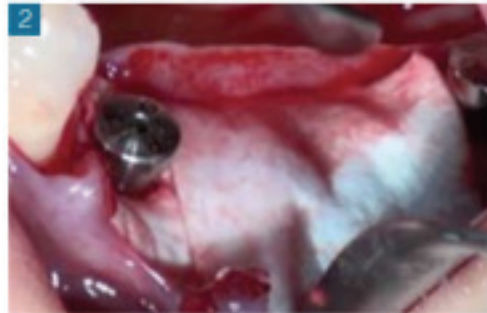
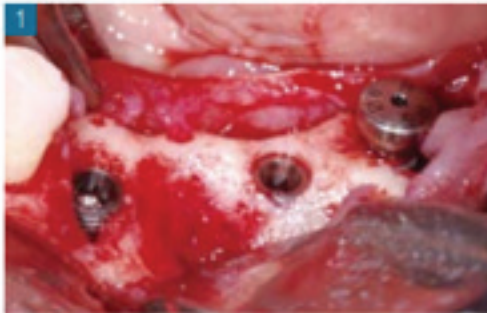
Case 1

1. Dehiscence defect identified.
2. Augmentation and covering with T-Gen.
3. Evident healing with soft tissue formation.
4. Four months post-surgery with adequate new bone formation.



Case 2

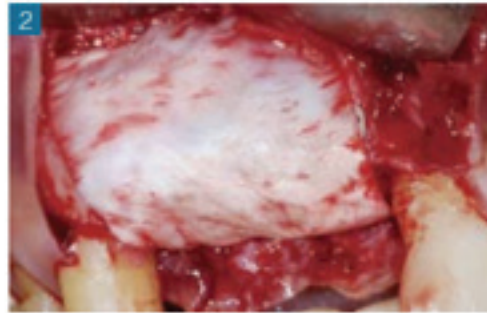
1. A buccal dehiscence defect is identified.
2. Augmentation performed and covered with T-Gen membrane.
3. Excellent and stable soft tissue healing.
4. No tissue ingrowth was identified three months after surgery with new bone formation.



T-Gen Advanced Collagen Membrane used to Treat Fenestration Defect

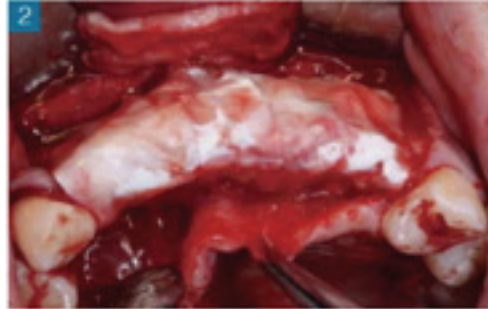
Case 1

1. A severe case of buccal dehiscence and fenestration.
2. Post-augmentation with T-Gen membrane applied.
3. Soft tissue healing results are stable.
4. Four months post-surgery displaying osseous integration.



Case 2

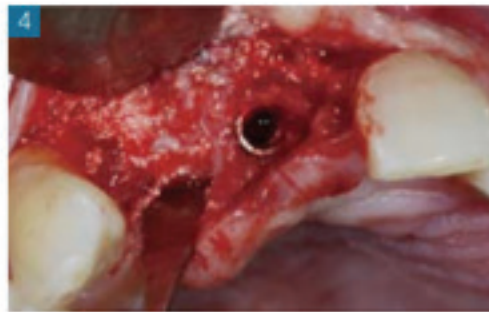
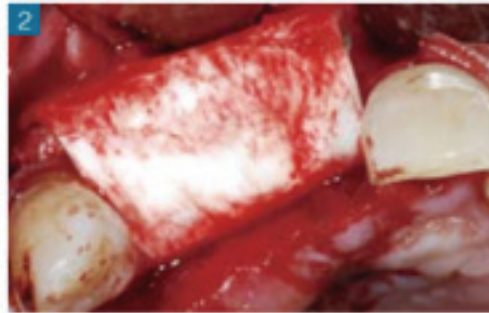
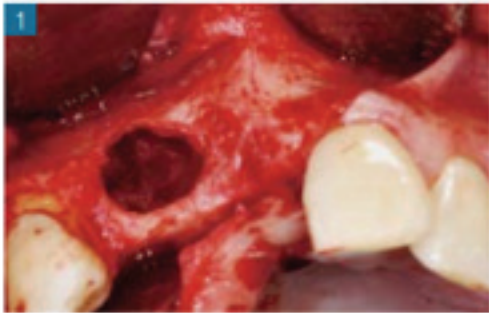
1. Identified buccal bone fenestration with high severity.
2. T-Gen absorbable collagen membrane used post-augmentation.
3. Successful soft-tissue healing.
4. Four months after surgery with bony healing evident.



T-Gen Absorbable Collagen Membrane used for Horizontal Augmentation

Case

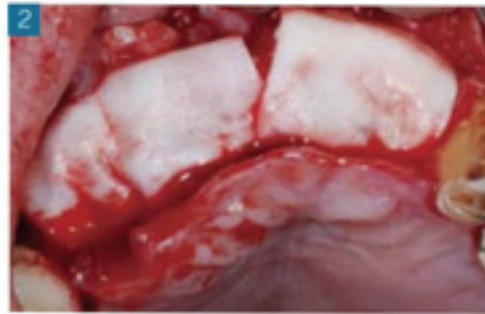
1. A significant horizontal bone defect is identified.
2. T-Gen Membrane used post-augmentation.
3. Excellent tissue regeneration with maintenance.
4. Follow-up surgery identifies the new bone formation.



T-Gen Absorbable Collagen Membrane used During Ridge Reconstruction

Case

1. A major defect is identified around the immediate implant.
2. Augmentation complete and protected with T-Gen membrane.
3. The newly regenerated tissue is healthy and managed.
4. Four months post-surgery, the osseous integration is evident.



T-Gen Absorbable Collagen Membrane used During Ridge Preservation

Case

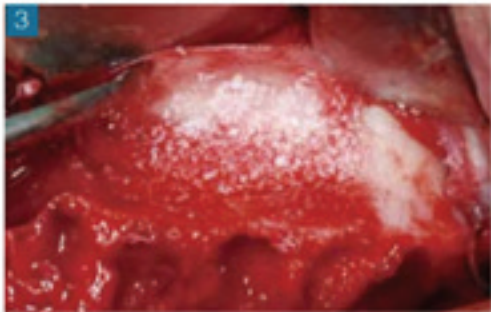
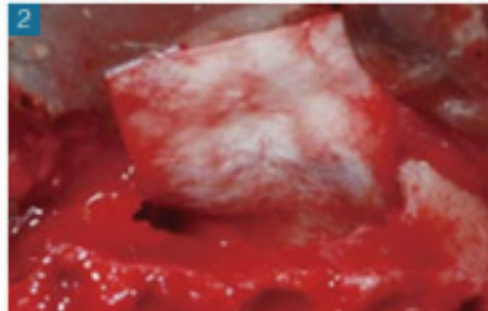
1. A major defect and loss of volume are identified around the implant.
2. Augmentation and protection with T-Gen collagen membrane.
3. Healthy and stabilized tissue.
4. Follow-up after four months identifies bone regeneration.



T-Gen Absorbable Collagen Membrane for Sinus Perforation

Case

1. Sinus perforation develops as a surgical complication.
2. T-Gen absorbable collagen membrane is applied within the sinus cavity.
3. Coverage shown at the site of augmentation.
4. Healthy and stabilized soft tissue, six months post-surgery with maintenance.



Dental Implant

TECHNOLOGIES

Dental Implant Technologies, Inc. (DIT-USA)
9414 E. San Salvador, DR #112, Scottsdale, AZ 85258, USA
Phone: 800-452-0582

www.dit-usa.com