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# Setta Derm

## Reconstructive Tissue Matrix



Urologic Devices

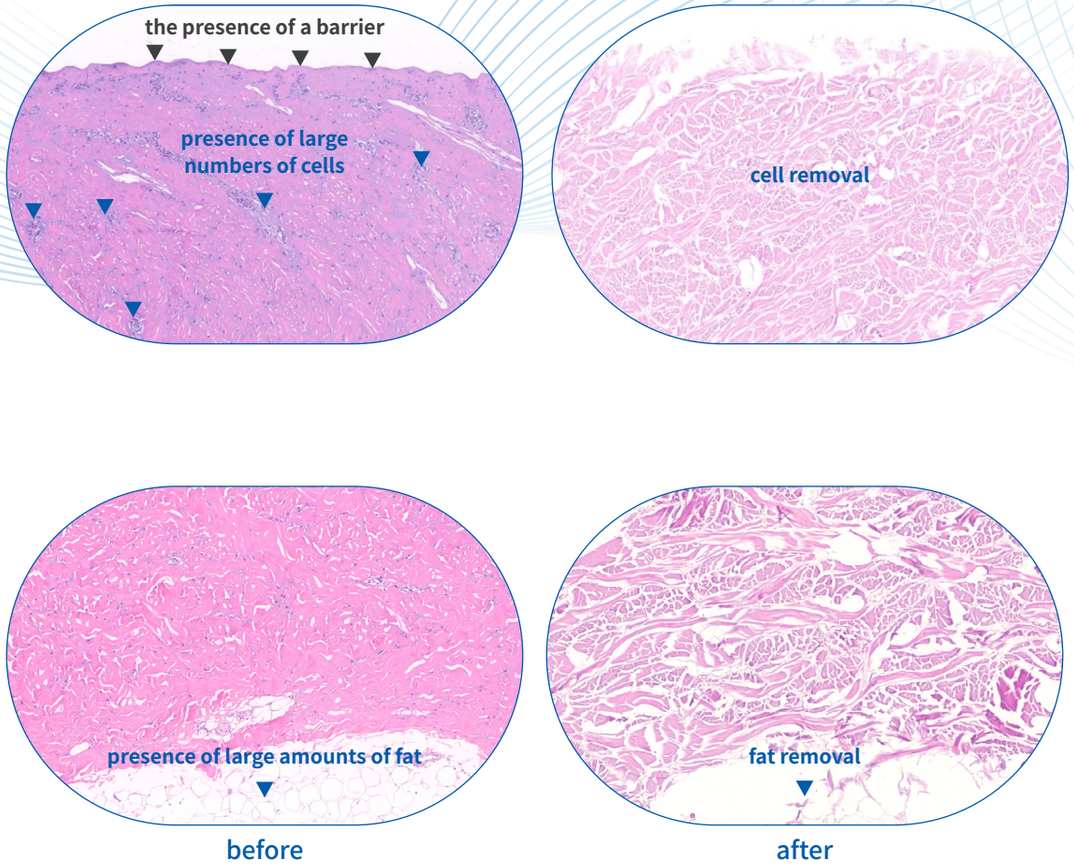
Tissue Bank

# Product Description




**SettaDerm** is a porcine acellular, porous collagen dermal matrix processed with acid-base treatment. Porcine dermis has high similarity with human tissue due to DNA similarity (92%). Settaderm has an excellent bio-compatibility since it removed any components that could induce inflammation – preservatives, cross-links, immunogenic cells, lipids and carbohydrates. It is developed to cover defective or damaged parts of ligaments, tendons, muscles, dermis. It also shows excellent result in augmenting skin layer.

**SettaDerm** has a **very low risk of immune response** due to improved biocompatibility through minimizing fat and immunogenic cells which are main causes of rejection

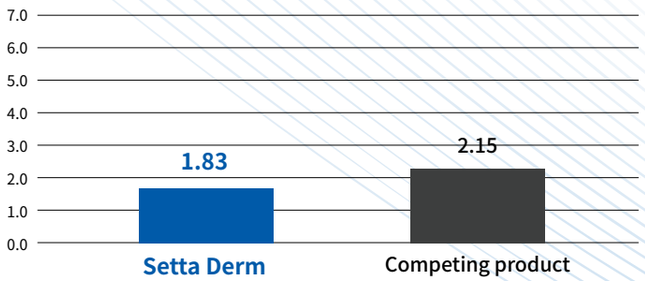


# Product Description

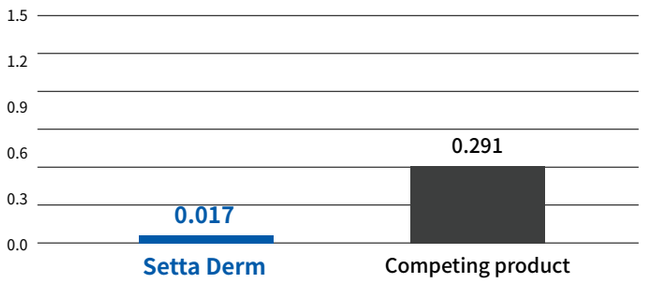
## The content of nucleic acids, fats & a proteolytic enzyme which cause rejection through immune response are much lower than competing product

## ▶ Higher bio-compatibility!

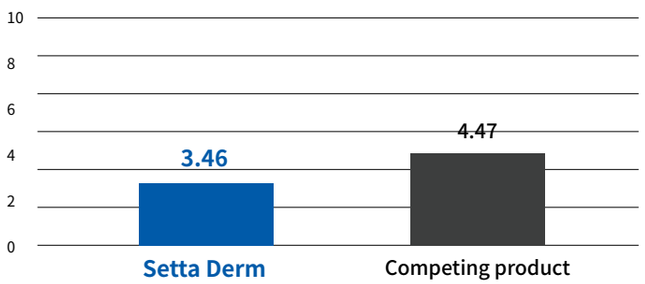
**Nucleic acid content(ppm)**




**Fat contents(%)**



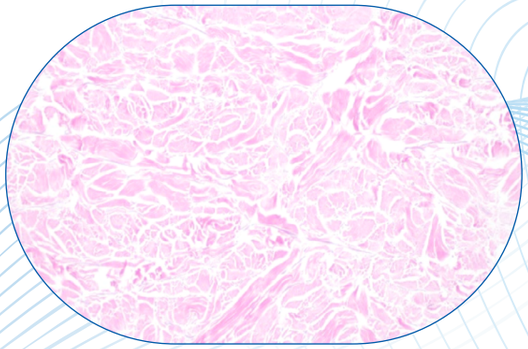

**Degration rate(%)**



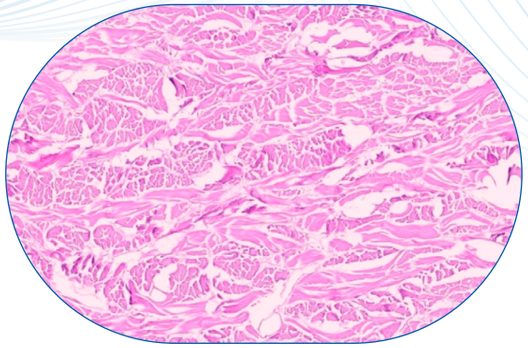

## SettaDerm has a high tissue compatibility by not using a cross-linking agent.

It is manufactured in a non-crosslinking method which helps better skin compatibility while preserving collagen integrity through break through tissue engineering technique
By preserving three-dimensional fiber structure and key extracellular matrix (ECM) components, porous structure is maintained which facilitate neovascularization and cell proliferation

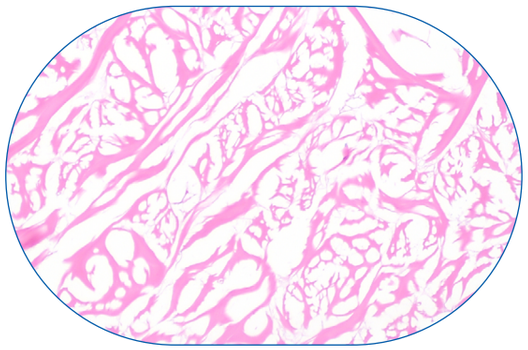
## ▶ Increased graft survival and better tissue incorporation



ADM(Human Tissue)



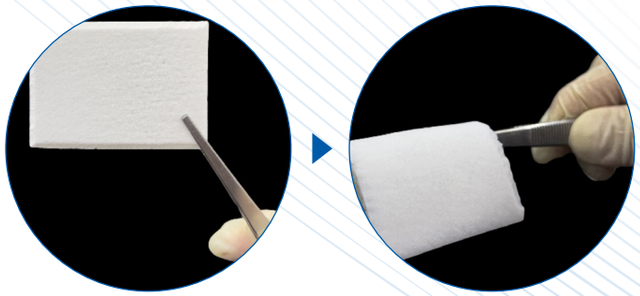
SettaDerm



A product(cross-linking)

## SettaDerm is advantageous for engraftment due to its soft properties

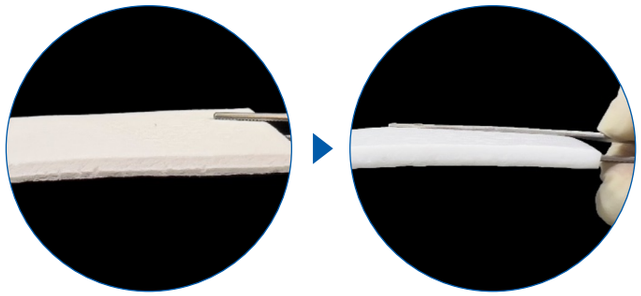
After quick hydration, it shows soft and flexible texture which helps good coverage over the transplanted area while showing little foreign body sensation



Pre-Hydration　　After-Hydration

## SettaDerm shows more natural shape after the implantation

Lateral edges sloping process shows a more natural result over the time. In addition, cells & blood vessels could be rapidly introduced through the surface slits



Pre-Hydration　　After-Hydration

## SetaDerm provides excellent elasticity

The lower the modulus of elasticity, the better the elasticityHigher flexibility of the tissue leads to better surgical outcome
Maintaining tissue elasticity is critical for soft tissue regeneration



