



Introduction to the VAS (Various Acellular Systems) ~Application of ADMATRIX™ to various studies and researches~

ADMATRIX™

ADMATRIX™ is a highly bioactive ADM (Acellular Dermal Matrix) made from tissue of normal porcine skin, which has the most similar structure to that of human skin. Bearing the basement membrane, the 3D structure of ADMATRIX™ is very close to the biological matrix.

by using ADMATRIX™...

- Epithelial – Mesenchyme cells can be cultured
 - Skin models – irritancy tests, percutaneous absorption tests, etc
 - Small intestine models – substance permeability tests, drug absorption tests, etc
- Models like above can be applied to drug metabolism studies.

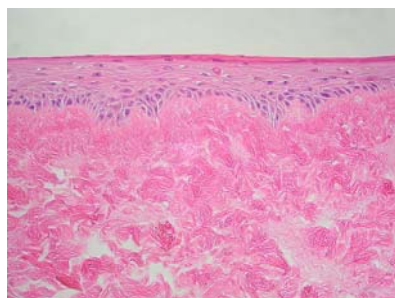
Techniques of ADMATRIX™ can be applied to acellularize other various tissues as well as skin. (Various Acellular Systems: VAS)

Application of VAS

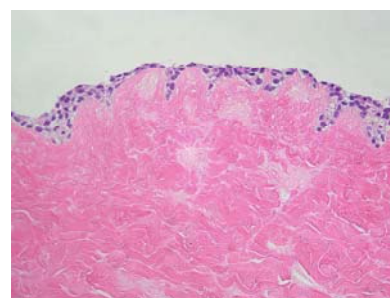
- When various tissue models are prepared, the structure of biological matrix is retained, as it is in the ADMATRIX™. Taking advantage of this characteristic of such models, cell functional studies are available under in-vitro conditions.
- The fundamental research in tissue regenerative medicine will be also available by grafting the VAS directly to animal models, and examining the tissue regeneration.

Preparing various tissue models with ADMATRIX™

HE stained (x 200)



Skin model
(Human keratinocytes)



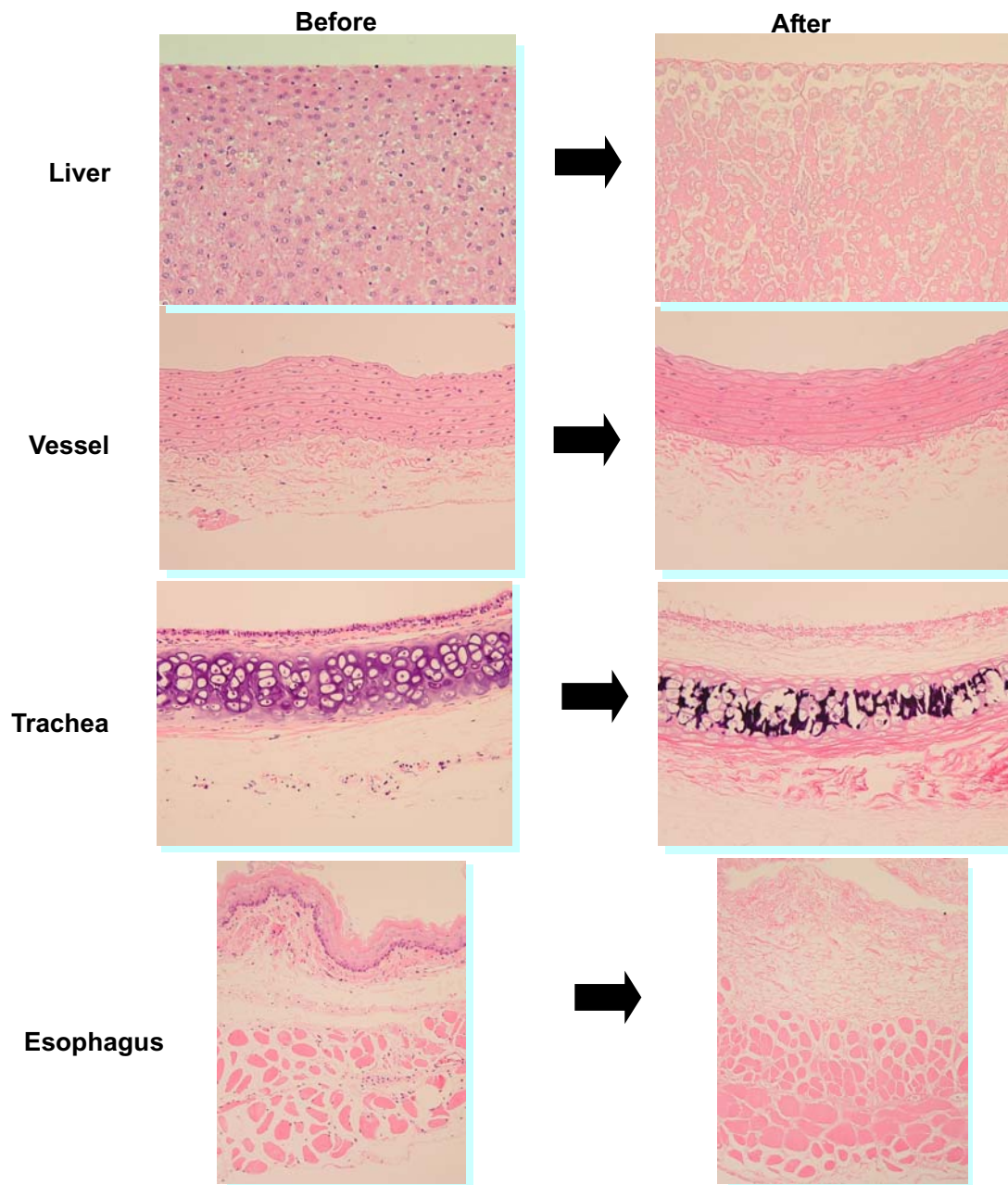
Small intestine model
(Human small intestine epithelium cells)



Acellularization of various kinds of tissue (VAS)

It was observed and confirmed that the biological matrix of each tissue was retained, after having various kinds of tissue of rat acellularized.

HE stained (x 200) Before and after acellularization



VAS is available on made-to-order system. Please send your enquiry or request to our contacts shown on the bottom.

This product is for RESEARCH USE ONLY. DO NOT use for any other purpose.

Distributor



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