

## AlphaEpidermis

<b>Product Name</b>	AlphaEpidermis
<b>Catalog Number</b>	EP001
<b>Product Format</b>	6,12, and 24 well
<b>Storage</b>	37°C



### **GENERAL INFORMATION**

Our 3D tissue human skin model derived epidermal keratinocytes, is manufactured in a GMP lab. The 3D tissue is cultured to form a multilayered, differentiated model of the human epidermis. This model is generically as reconstructed human epidermis. Our 3D model are cultured in inserts using serum free medium, our 3D skin model is parallel to human skin, thus providing a useful in vitro means to assess dermal irritancy and toxicology. Our highly differentiated 3D tissue human skin model is perfect for gene expression analysis and RNAi / siRNA-Based therapeutic drug screening. Replacing very expensive animal and human clinical testing.

This model can be used to study the following disease, but not limited to those applications:

- 1) Late-stage neurological trypanosomiasis ( sleeping sickness)
- 2) Progressive multifocal leukoencephalopathy (PML)
- 3) Meningitis brain abscess epilepsy multiple sclerosis
- 4) De novo disease Alzheimer's disease cerebral edema
- 5) Prion and prion-like diseases
- 6) HIV encephalitis
- 7) Rabies
- 8) Neuromyelitis optica