

Ectodermal precursor cell line derived from hES cells (Technion)

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The present invention provides an isolated stable ectodermal IT1 cell line from human ESC, capable of differentiating into epidermal and corneal cells that could reconstitute in-vitro pluristratified epidermis and cornea. Applications of this invention include use for pre-clinical trials concerning skin and cornea pathologies, production of transplantable epidermis, repair of wounded corneas and design of cellular models for cosmeto-toxicology.

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