

## **Method for isolating umbilical cells**

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The present invention relates a method for isolating four cell types from a single umbilical cord as pure cultures. These cell lines (epithelial cells, fibroblasts, smooth muscle cells and endothelial cells) can be characterised and utilised in experimental models and for therapeutic purposes. Particularly, the umbilical cells isolated herein are used to form a tissue replacement or engineered living composition. Also, the isolated umbilical cells of the invention may have the potential of progenitor cells.

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