Product Description

Human mammary epithelial cells (HMEpC) lie within the alveolar lumen of the breast lobules, which together with mammary ducts and adipose tissues, form a complex network in the mammary gland. HMEpC respond to various growth factors and hormonal cues and undergo changes in growth, invasion, and differentiation during pre- and postnatal stage, puberty, and pregnancy [1]. Aberrant levels of hormones and extracellular matrix composition, and other genetic factors have been shown to induce uncontrolled proliferation of HMEpC, resulting in breast cancer development [2, 3]. Therefore, understanding the cellular properties of HMEpC will help identify the disease mechanisms in breast cancer and the new targets for therapeutic development.

iXCells Biotechnologies offers high quality HMEpC, which are isolated from human breast and cryopreserved at P1, with >0.5 million cells in each vial. HMEpC express cytokeratine-14, -18, and -19. They are negative for HIV-1, HBV, HCV, mycoplasma, bacteria, yeast, and fungi and can further expand for no more than 3 passages in Epithelial Cell Growth Medium (Cat# MD-0041) under the conditions suggested by iXCells Biotechnologies.

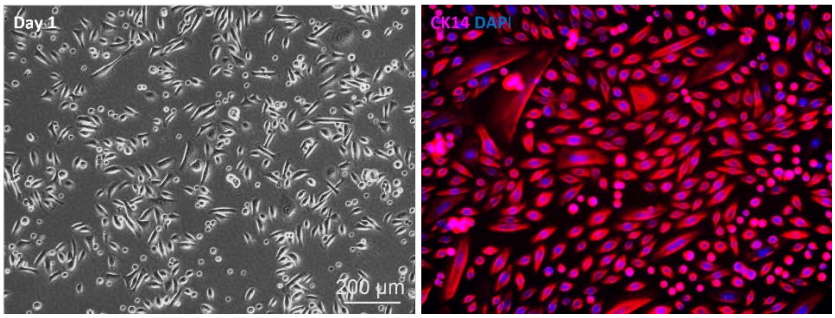

Figure 1: Phase contrast and cytokeratin 14 (C K 14) staining of HMEpC post recovery

Product Details

Tissue	Human breast
Package Size	0.5 million cells/vial
Passage Number	P1
Shipped	Cryopreserved
Storage	Liquid nitrogen
Growth Properties	Adherent
Media	Epithelial Cell Growth Medium (Cat# MD-0041)

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