

Human Primary Epidermal Keratinocytes

A primary keratinocyte isolate with application in cell-based screening and life science research

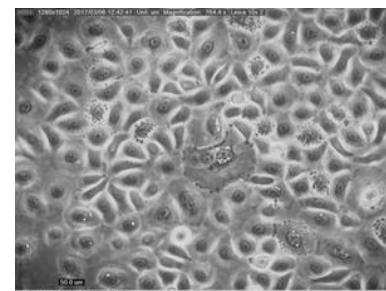
The primary cell isolate was prepared from human tissue obtained with full ethical permission. Cells were isolated by enzymatic digestion and cultured in optimal conditions for keratinocyte growth. Cells were banked and cryopreserved under liquid nitrogen. The cell population was analysed by fluorescence-activated flow cytometry.

DONOR TISSUE FEATURES

- Female Caucasian donor, 47 years
- Abdominal skin, normal
- Additional donor history available on request

CELL CHARACTERISTICS

Batch number:	15-2801
Vial content:	0.5x10 ⁶ cells
Appearance:	Sheet of flat cells with central nuclei
Seeding density:	10,000 cells/cm ²
Culture medium:	GIBCO SF Keratinocyte medium recommended
Recovery from frozen:	65%
Population doubling:	13 days, low attachment (recover from a low number)
Mycoplasma test:	Negative (by luminescence-based mycoplasma assay)
Virus tests:	Negative for HIV1, HIV2, HAV, HBV, HCV, HTLV1, HTLV2 (by real time PCR screen)
Other tests:	Yeast, bacteria, fungus (Negative)



Cell morphology. Cells in culture were photographed using a phase contrast microscope. (Magnification: 10X)

FLOW CYTOMETRY CELL ANALYSIS

Cell Marker	Target Description	Population Positive*
Pan-cytokeratin	Keratinocyte marker	67%

*Percentage of cells with fluorescence greater than the isotype control background

USES AND RESTRICTIONS

- Store at -150°C. Once thawed do not re-freeze
- For research use ONLY — not suitable for *in vitro* diagnostic use or human or animal treatment
- Potential biohazard — handle with care

Leaders in Cell Culture