Cat. No. BE-HC-061

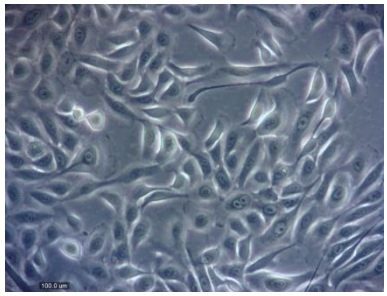
Human Primary Breast Cancer Cells

A primary cell 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. Tissue was dissociated by enzymatic digestion and cells were harvested and washed by conventional filtration and centrifugation. Cells were grown in culture using medium optimised for primary breast cancer cells, and were banked and cryopreserved under liquid nitrogen. The cell population was analysed by fluorescence-activated flow cytometry.

DONOR TISSUE FEATURES

- Female donor, age 49 years, additional donor history available
- Tumour stage classification: AJCC pT1, Lymph node status positive (0/11)
- *In situ* lobular carcinoma with comedo structures



Cell morphology. Cells in culture were photographed using a phase contrast microscope. (Magnification: x10)

CELL CHARACTERISTICS

Batch number:	11-1905
Vial content:	0.5x10^6 cells
Seeding density:	13,333 cells/cm^2
Culture medium:	AvantiCell medium BE-HCM-01 recommended
Recovery from frozen:	>90%
Population doubling:	2-3 days
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:	Negative for yeast, fungus and bacteria

FLOW CYTOMETRY CELL ANALYSIS

Cell Marker	Target Description	Population Positive*
Oestrogen receptor	Luminal	Positive
CD24/CD44	Stem cell related	Positive
EpCAM	Luminal	Positive
HER2	Disease Prognosis Indicator	Positive

*FACS analysis on BD FACS Jazz using appropriate antibodies and isotype controls

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

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