

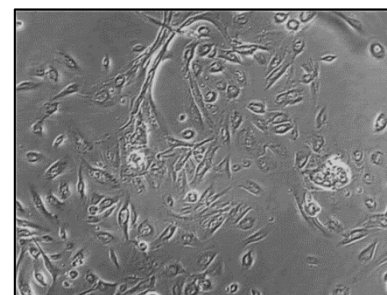
Human Primary Breast Cancer Cells

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 after no more than seven population doublings.

DONOR TISSUE FEATURES

- Female donor, 59 years, additional donor history available
- Tumor stage classification: AJCC pT2, Lymph node status positive (3/4)
- Invasive Ductal Carcinoma with comedo structures



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

CELL CHARACTERISTICS

Batch number:	11-0806
Vial content:	0.5x10 ⁶ cells
Seeding density:	13,300 cells/cm ²
Culture medium:	AvantiCell medium (BE-HCM-01) recommended
Recovery from frozen:	> 63%
Population doubling:	3-5 days
Mycoplasma test:	Negative (by luminescence-based mycoplasma assay)
Virus tests:	HIV1, HIV2, HAV, HBV, HCV, HTLV1, HTLV2 (Negative by real time PCR screen)
Other tests:	Yeast, fungus (Negative)

FLOW CYTOMETRY CELL ANALYSIS

Cell Marker	Target Description	Population Positive*
Oestrogen receptor	Luminal	Positive
Progesterone receptor	Luminal	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