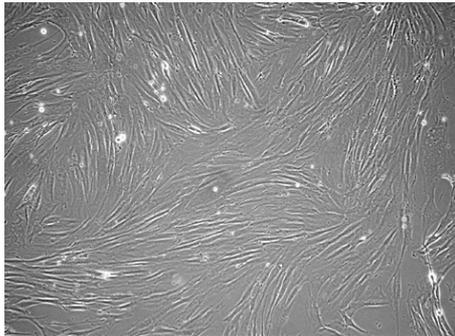




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## **PRIMARY HUMAN FIBROBLASTS**

Processed directly from adult human skin (from healthy donors) and expanded *in vitro* for a maximum of three passages [1, 2]. Cells are supplied in 2 ml cryotubes containing **1 million** cells in 1 ml FBS (v/v) dimethylsulphoxide (DMSO).



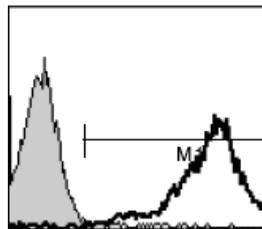
### **Quality Controls**

All cells have been processed in INBIOBANK by manufacturing procedures based on ISO9001:2000 standards. These cells have tested negative for the following pathogens: HIV-1/2, Hepatitis B/C (Abbot Prism Chemiluminescence Assay) and Mycoplasma (PCR Kit).

Cellular morphology and viability have also been tested after recovery from criopreservation.

### **Cell characterisation**

Human fibroblasts are characterised morphologically through serial passage, and each batch is tested for expresion of vimentin (fibroblast marker).



**S0702F1**

Age: 39 YEARS OLD  
Sex: FEMALE

Filled area: "ISOTYPIC CONTROL"  
Empty area: "SPECIFIC CD"



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## Instructions for use

### Storage:

- The cells may be supplied criopreserved in dry ice. When received, liquid nitrogen storage is recommended until use.

### Cell thawing:

- Transfer to 37°C water bath.
- Gently agitate the vial while holding the tip with a forceps, being careful not to allow water to penetrate the cap or seal.
- Quickly sterilize vial with 70% ethanol and transfer to a laminar flow hood. Add 10ml warm complete media to a 15ml tube. When completely thawed, slowly transfer contents of vial to 15ml test tube and spin at 300g for 5min.
- Remove and discard the medium and resuspend in fresh culture medium.

### Plating and passaging of fibroblast cultures.

- INBIOBANK recommends to plate a density of 90,000 cells/cm<sup>2</sup> for human fibroblasts
- Fibroblast cultures should be fed every 2-3 days after plating. To feed the cultures, gently remove the medium from the well and replace with an equal volume of temperature equilibrated fresh medium.
- The fibroblasts should be subcultured when they are approximately 90% confluent.

## Warning

FOR RESEARCH USE ONLY. Not for use in clinical or veterinary assays, transplants or *in vitro* diagnostic procedures.

## Culture media.

- Use High-Glucose DMEM (Dulbecco's modified eagle's medium) supplemented with 10% Foetal Bovine Serum. End users should test a specific batch of serum for optimum growth of these cells.

## References

1. Puck, T.T., S.J. Cieciura, and H.W. Fisher, *Clonal growth in vitro of human cells with fibroblastic morphology; comparison of growth and genetic characteristics of single epithelioid and fibroblast-like cells from a variety of human organs*. J. Exp. Med., 1957. **106**(1): p. 145-58.
2. Zitcer, E.M. and P.L. Kirk, *The effect of serum ultrafiltrate on cultivated mast cells and fibroblasts from human skin*. Science, 1954. **119**(3081): p. 99.

