

Certificate of Analysis

Human White Preadipocytes (HWP) subcutaneous

Description

| | |
|------------------------|--|
| Product Name | HWP-c / HWP-p |
| Order Number | C-12730 / C-12731 |
| Lot Number | 0092205 |
| Donor Age / Sex / Race | 65 / male / caucasian |
| Tissue / Localization | subcutaneous adipose tissue / abdomen |
| Number of Viable Cells | 1.000.000 |
| Freezing Medium | Cryo-SFM (Order No.: C-27410) |
| QC Evaluation Medium | Preadipocyte Growth Medium (Order No.: C-27410) Preadipocyte Differentiation Medium (Order No.: C-27436) Adipocyte Nutrition Medium (Order No.: C-27438) |
| Stage of Culture | HWP-c: thawing and seeding results in passage 2 (3 rd culture) HWP-p: shipped in passage 2 (3 rd culture) |

Viability & Growth Characteristics

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|--|--|
| Viability | 88 % * (adherence of cells could vary under customer culture conditions) |
| Population Doubling (PD) Time in Log Phase | 23.9 h / PD * |
| Population Doublings | > 10 * |

Phenotypic Characterization (tested within the first two passages)

| | |
|--|------|
| Differentiation Capacity to Adipocytes | pass |
|--|------|

Test for microbiological contaminants and infectious viruses

| | |
|-------------------------------|--------------------------------|
| Bacteria / Fungi / Mycoplasma | negative / negative / negative |
| HIV-1 | negative |
| HBV / HCV | negative / negative |

* Using PromoCell's standardized culture system and procedures. The stated values may vary under customer culture conditions.

The tissue used by PromoCell for the isolation of human cell cultures is derived from donors who have signed an informed consent form, which outlines in detail the purpose of the donation and the procedure for processing the tissue (www.promocell.com/ethics).



A blue ink signature of Christian Leppert.

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Quality Control Manager

Date: 25 Feb 2011

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