**Supplementary File 12: Basic features of human PSCs, ASCs, and BMSCs.**

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| --- | --- | --- | --- | --- |
| **Human cells** | **Isolation techniques** | **Culture techniques** | **Basic morphology** | **FACS phenotype** |
| PSCs | Fluorescence-activated cell sorting from human liposuction samples | Growth medium. Medium was changed every 3 d. | Fibroblast-like spindle-shaped morphology | CD34+CD146-CD31-CD45- adventitial cells and CD146+CD34-CD31-CD45- pericytes |
| ASCs | Collagenase Type II (1mg/mL) digestion followed by culture expansion | Growth medium. Medium was changed every 3 d. | Fibroblast-like spindle-shaped morphology | Culture defined cell population (CD44+CD73+CD90+CD105+CD31-CD45-) |
| BMSCs | Isolation of BMSCs from adherent cultures | Growth medium. Medium was changed every 3 d. | Fibroblast-like spindle-shaped morphology | Culture defined cell population (CD44+CD73+CD90+CD105+CD31-CD45-) |

Growth medium: DMEM, 15% FBS, 1% penicillin/streptomycin