**Table S1: Effect of tissue treatments\* and freezing conditions\*\* on rbF derivation°**

**Short fibroblasts**

**Elongated fibroblasts**

**Mix of morphologies**

**Epithelial-type cells**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Skin** | | | | | **Cartilage** | | | | |
| **rbF morphologies** | **FBS** | | **CRYO3** | | **rbF morphologies** | **FBS** | | **CRYO3** | |
| **4%** | **10%** | **4%** | **10%** | **4%** | **10%** | **4%** | **10%** |
| 40 | 40 (23d) | 7 (22d)  23 (20d)  55 (18d)  63 (20d) |  | 9 (20d)  25 (20d)  33 (22d)  41 (23d)  49 (22d)  57 (20d)  65 (20d) | 44 | 44 (19d) |  | 38 (22d) |  |
| 16 | 16 (25d)  32 (22d)  48 (21d) |  | 18 (22d)  26 (28d)  50 (22d)  66 (20d) | 17 (20d) | 19 | 36 (18d) | 11 (18d)  19 (18d)  35 (18d) | 22 (22d) | 13 (20d)  21 (21d)  29 (22d)  37 (18d)  45 (20d) |
| 58 | 56 (20d) | 15 (18d) | 58 (20d) |  | 46 | 20 (18d)  60 (17d) | 43 (19d) | 14 (25d)  46 (21d)  62 (20d) | 53 (19d)  61 (17d) |
| 8 | 8 (22d)  24 (20d) | 31 (18d) |  |  | 28 | 12 (25d)  28 (21d)  68 (20d) | 27 (18d) | 30 (18d) | 69 (20d) |

\* Direct treatment of 3 mm2 pieces / Direct treatment of 1 cm2 pieces / Treatment after 48h at 4°C of 3 mm2 pieces

\*\* Freezing media: FBS or CRYO3 + 4% or 10% DMSO

° Times (d = days) of rbF derivation (2 passages before freezing) are noticed in brackets after the line numbers, and are equal on average to 14 and 16 days for fresh cartilage and skin samples, respectively.