**Table S2: Composition of freezing media**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Tissues or**  **cell lines** | **Media for unicellular suspension\*** | **Basal media for freezing** | **DMSO concentration in freezing media (v/v, %)** | **Final DMSO concentration**  **(v/v, %)** |
| Skin or cartilage pieces | / | FBS | 4 or 10 | 4 or 10 |
| CRYO3 | 4 or 10 | 4 or 10 |
| rbFs | rbF medium | FBS | 20 | 10 |
| mESCs | mESC medium | FBS | 0, 5, 6, 8, 10 or 20 | 0, 2.5, 3, 4, 5 or 10 |
| CRYO3 | CRYO3 | 0, 5, 6, 8, 10 or 20 | 0, 2.5, 3, 4, 5 or 10 |
| CryoStor® CS10 | / | 10 | 10 |
| rbESCs | rbESC medium | FBS | 0, 5, 6, 8, 10 or 20 | 0, 2.5, 3, 4, 5 or 10 |
| CRYO3 | CRYO3 | 0, 5, 6, 8, 10 or 20 | 0, 2.5, 3, 4, 5 or 10 |
| CryoStor® CS10 | / | 10 | 10 |
| rbiPSCs | rbiPSC medium | FBS | 0, 5, 6, 8, 10 or 20 | 0, 2.5, 3, 4, 5 or 10 |
| CRYO3 | CRYO3 | 0, 5, 6, 8, 10 or 20 | 0, 2.5, 3, 4, 5 or 10 |
| CryoStor® CS10 | / | 10 | 10 |

\*Dissociated cells are resuspended in culture medium or CRYO3 without DMSO (50% volume final) before adding 50% volume of corresponding freezing medium, excepted for ready-to-used CryoStor® CS10, cells are then directly resuspended in this ready-to-used freezing medium.