

S1 Table: hDPSC information and stem cell characterization.

Reported Information	DPSCs (Lonza, Slough, UK)	DPSCs (Axol, Cambridge, UK)
Product code	PT-5025	ax3901
Donor gender	Male	Female
Donor age	16 yrs.	14 yrs.
Stem cell markers	<p>≥ 90% positive for CD105, CD166, CD29, CD90 and CD73 markers.</p> <p>≤ 10% positive for CD34, CD45, and CD133 markers.</p>	<p>> 90% positive for CD29, CD44, CD90, and CD105 markers.</p> <p><10% positive for CD34 and CD45 markers.</p>
Multilineage differentiation validation	–	Osteogenic, adipogenic, and chondrogenic differentiation.
Virus and Microbiological testing	Negative	Negative
The culturing and sub-culturing materials to prepare a good cryovial stock.	<p>- DPSC BulletKit™ Medium (PT-3005, Lonza) supplied as 1 ml/5 cm² includes:</p> <p>DPSC basal Medium (PT-3927, Lonza),</p> <p>DPSC Growth Medium (PT-4516): contains 50 ml DPSC growth supplement, 10 ml L-glutamine, 5.0 ml Ascorbic Acid, and 0.5 ml Gentamicin/Amphotericin-B</p> <p>-Reagent Pack™ Subculture Reagents (CC-5034, UK): HEPES Buffered Saline Solution, 0.25% Trypsin/EDTA, and Trypsin Neutralizing Solution (TNS).</p>	<p>- Alpha-modified minimum essential medium (α-MEM) (Biosera, UK) with 2 mM L-glutamine, 1% antibiotics (penicillin/streptomycin (100 IU.ml⁻¹), and 10% FBS.</p> <p>- Standard sub-culturing materials; (0.25% Trypsin/EDTA, and 10% FBS complete media).</p>