

## Supplementary Data

**Supplementary Table 1.** Main characteristics of healthy donors used in this study.

Donor	Sex	Origin	Age (years)	Body Mass Index BMI (Kg/m <sup>2</sup> )
1	Female	France	28	22.03
2	Male	Senegal	32	22.22
3	Male	Senegal	32	22.44
4	Female	Benin	26	17.95
5	Male	Cameroon	32	29.64
6	Male	France	30	23.59
7	Female	Algeria	27	25.71
8	Male	Algeria	27	25.88

**Supplementary Table 2.** Composition (g/L) of the protectant medium patented under the following number (N°1H53316 CAS 25 FR).

Concentration per 1 liter of medium (pH 7,3 ± 0,2)		References
PBS	1L	Life Technologies,Paisley, united kigdom
Skimmed milk 10%	100g	Régilait, Lyon, France
Sucrose 10%	100g	Inresa Medical, Bartenheim, France
Trehalose 5%	50g	MP biomedicals LLC illkirch ,France
CaCl <sub>2</sub>	0.1g	Inresa Medical, Bartenheim, France
MgCl <sub>2</sub>	0.1g	Inresa Medical, Bartenheim, France
KOH	0.3/0.6g	BDH LABORATORY SUPPLIES, Poole, united kingdom
Ascorbic acid	1g	Inresa Medical, Bartenheim, France
Uric acid	0.4g	Sigma-Aldrich,Lyon, France
Glutathione	0.1g	Sigma-Aldrich,Lyon, France