

**Supplementary Table 1. Known characteristics of human islet preparations used.**

<b>Islet preparation</b>	<b>1</b>	<b>2</b>	<b>3</b>
<b>Donor demographics</b>			
Unique identifier	00202998 (1009)	00202998(1025)	00212595(01122017)
Age (years)	52	50	41
Sex (M/F)	M	M	M
BMI (kg/m <sup>2</sup> )	34.2	27.4	29.2
Ethnicity	White	White	White
HbA <sub>1c</sub>	n/a	n/a	5.6
Cause of death	n/a	n/a	n/a
<b>Diabetes? (Y/N)</b>	<b>N</b>	<b>N</b>	<b>N</b>
<b>Islet handling and use</b>			
Estimated purity (%)	90	80	95
Estimated viability (%)*	85	80	97.8
Total culture time (d)	3	7	3
Description of purification and quantification	DTZ staining; manual count via brightfield microscope	DTZ staining; manual count via brightfield microscope	DTZ staining; manual count via brightfield microscope
Experimental islet use (including in which experiment each islet preparation was used)	Figure 1G	Figure 1G	Figure 1G
* viability determined by	Membrane integrity using FDA/PI	Membrane integrity using FDA/PI	Membrane integrity using FDA/PI