

## Checklist for Reporting Human Islet Preparations Used in Research

Adapted from Hart NJ, Powers AC (2018) Progress, challenges, and suggestions for using human islets to understand islet biology and human diabetes. Diabetologia <https://doi.org/10.1007/s00125-018-4772-2>.

<b>Manuscript DOI:</b> <a href="https://doi.org/10.2337/[insert manuscript submission number]">https://doi.org/10.2337/[insert manuscript submission number]</a> (Example, <a href="https://doi.org/10.2337/db18-1234">https://doi.org/10.2337/db18-1234</a> )	
<b>Title:</b> Pericyte control of pancreatic islet blood flow impacts glucose homeostasis	
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Living pancreas slice preparation	1	2	3	4	5	6	7	8 <sup>a</sup>
MANDATORY INFORMATION								
Unique identifier	6516	6531	6535	6537	6539	6546	6548	
Donor age (years)	20.75	19.25	31.07	33.05	24.6	22.29	20.24	
Donor sex (M/F)	M	F	F	M	M	M	M	
Donor BMI (kg/m <sup>2</sup> )	28.8	30	29.6	20.8	19.3	23.7	23.8	

Donor HbA <sub>1c</sub> or other measure of blood glucose control	5.5	5.5	N/A	5.6	5.7	5.6	5.7	
Origin/source of islets <sup>b</sup>	nPOD	nPOD	nPOD	nPOD	nPOD	nPOD	nPOD	
Islet isolation centre	nPOD	nPOD	nPOD	nPOD	nPOD	nPOD	nPOD	
Donor history of diabetes? Yes/No	No	No	No	No	No	No	No	
<b>If Yes, complete the next two lines if this information is available</b>								
Diabetes duration (years)								
Glucose-lowering therapy at time of death <sup>c</sup>								

RECOMMENDED INFORMATION								
Donor cause of death								
Warm ischaemia time (h)								
Cold ischaemia time (h)								

Estimated purity (%)								
Estimated viability (%)								
Total culture time (h) <sup>d</sup>								
Glucose-stimulated insulin secretion or other functional measurement <sup>e</sup>								
Handpicked to purity? Yes/No								
Additional notes								

<sup>a</sup>If you have used more than eight islet preparations, please complete additional forms as necessary

<sup>b</sup>For example, IIDP, ECIT, Alberta IsletCore

<sup>c</sup>Please specify the therapy/therapies

<sup>d</sup>Time of islet culture at the isolation centre, during shipment and at the receiving laboratory

<sup>e</sup>Please specify the test and the results