

## 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>.

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<b>Title:</b> Homeostatic functions of macrophages in the human pancreatic islet are regulated by purinergic signals from beta cells	
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Islet preparation	1	2	3	4	5	6	7	8 <sup>a</sup>
MANDATORY INFORMATION								
Unique identifier	HP18212-01T2D	HP18243-01T2D	HP18275-01T2D	19051-01T2D				
Donor age (years)	40	51	30	53				
Donor sex (M/F)	M	M	F	M				
Donor BMI (kg/m <sup>2</sup> )	27.7	37.1	40.1	30.1				

Donor HbA <sub>1c</sub> or other measure of blood glucose control	7.4	6.2	6.5	7.8				
Origin/source of islets <sup>b</sup>	Prodo	Prodo	Prodo	Prodo				
Islet isolation centre	Prodo Labs	Prodo Labs	Prodo Labs	Prodo Labs				
Donor history of diabetes? Yes/No	Yes	Yes	Yes	Yes				
<b>If Yes, complete the next two lines if this information is available</b>								
Diabetes duration (years)	Recent	NA	NA	NA				
Glucose-lowering therapy at time of death <sup>c</sup>	Diet	Oral Med.	Diet	Oral Med, Glipizide, Januvia				

RECOMMENDED INFORMATION								
Donor cause of death	Stroke	Anoxia	Asthma	Head Trauma				
Warm ischaemia time (h)								
Cold ischaemia time (h)								

Estimated purity (%)	80	90	85	80				
Estimated viability (%)	95	95	95	95				
Total culture time (h) <sup>d</sup>	12 hours	12 hours	12 hours	12 hours				
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