

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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Title: 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 _a
MANDATORY INFORMATION								
Unique identifier	HP2297	HP2298	HP18232	HP2299	HP2303	HP18310-01	HP1695	HP1697
Donor age (years)	56	49	33	49	48	38	55	50
Donor sex (M/F)	F	M	F	M	M	M	F	M
Donor BMI (kg/m ²)	26.6	26	30.3	28.3	24.4	28	32	27

Donor HbA _{1c} or other measure of blood glucose control	8.0	7.2	4.9	6.3	5.6	5.9	6.6	6.2
Origin/source of islets _b	NDRI	NDRI	Prodo	NDRI	NDRI	Prodo	Life Alliance	Life Alliance
Islet isolation centre	Islet Cell Resource Center	Islet Cell Resource Center	Prodo Labs	Islet Cell Resource Center	Islet Cell Resource Center	Prodo Labs	Islet Cell Resource Center	Islet Cell Resource Center
Donor history of diabetes? Yes/No	No	No	No	No	No	No	No	No
If Yes, complete the next two lines if this information is available								
Diabetes duration (years)								
Glucose-lowering therapy at time of death _c								

RECOMMENDED INFORMATION								
Donor cause of death	ICH/Stroke	Stroke	Head Trauma	Anoxia	Head Trauma	Head Trauma	CNS Tumor	Brain Tumor
Warm ischaemia time (h)								
Cold ischaemia time (h)								

Estimated purity (%)	NA	NA	80-85	NA	NA	85-90	85-80	95
Estimated viability (%)	NA	NA	95	NA	NA	95	85	95
Total culture time (h) ^d	12 hours	12 hours	12 hours	12 hours	12 hours	12 hours	12 hours	12 houts
Glucose-stimulated insulin secretion or other functional measurement ^e								
Handpicked to purity? Yes/No								
Additional notes	3 days ventilator	4 days ventilator		4 days ventilator	4 days ventilator		2 days ventilator	2 days ventilator

^aIf you have used more than eight islet preparations, please complete additional forms as necessary

^bFor example, IIDP, ECIT, Alberta IsletCore

^cPlease specify the therapy/therapies

^dTime of islet culture at the isolation centre, during shipment and at the receiving laboratory

^ePlease specify the test and the results