

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>.

Manuscript DOI: https://doi.org/10.2337/[insert manuscript submission number] (Example, https://doi.org/10.2337/db18-1234)	
Title: Loss of furin in β cells induces an mTORC1-ATF4 anabolic pathway that leads to β cell dysfunction	
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Islet preparation	1	2	3	4	5	6	7	8 ^a
MANDATORY INFORMATION								
Unique identifier	SAMN16365027							
Donor age (years)	62							
Donor sex (M/F)	F							
Donor BMI (kg/m ²)	28.5							

Donor HbA _{1c} or other measure of blood glucose control	7.6							
Origin/source of islets ^b	IDP							
Islet isolation centre	Southern California Islet Cell Resource Center							
Donor history of diabetes? Yes/No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
If Yes, complete the next two lines if this information is available								
Diabetes duration (years)	0-5 years							
Glucose-lowering therapy at time of death ^c	Oral Medicine							

RECOMMENDED INFORMATION								
Donor cause of death	Cerebrovascular/Stroke							
Warm ischaemia time (h)								
Cold ischaemia time (h)	7.0							

Estimated purity (%)	90							
Estimated viability (%)								
Total culture time (h) ^d								
Glucose-stimulated insulin secretion or other functional measurement ^e								
Handpicked to purity? Yes/No	Yes							
Additional notes								

^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