

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/DB21-0908 (Example, https://doi.org/10.2337/db18-1234)	
Title: The transcription factor YY1 is essential for normal DNA repair and cell cycle in human and mouse β -cells	
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Islet preparation	1	2	3	4	5	6
MANDATORY INFORMATION						
Unique identifier	HIP1530601	HIP1530901	RHIP96	HP-15268-01T2D	HP1602301T2D	RHIP100 T2D
Donor age (years)	41	32	40	55	51	53
Donor sex (M/F)	F	M	F	F	M	M
Donor BMI (kg/m ²)	23.56	31.32	15.4	29.84	24.47	29.6
Donor HbA _{1c} or other measure of blood glucose control	5.6	5.1	5.4	7.4	6.9	13.3

Origin/source of islets ^b	Prodo Laboratories INC	Prodo Laboratories INC	UCSF Islet Core	Prodo Laboratories INC	Prodo Laboratories INC	UCSF Islet Core
Islet isolation centre	Prodo Laboratories INC	Prodo Laboratories INC	UCSF	Prodo Laboratories INC	Prodo Laboratories INC	UCSF
Donor history of diabetes? Yes/No	No	No	Yes	Yes	Yes	Yes
Diabetes duration (years)	NA	NA	0-5 yrs Gestational	NA	NA	Undiagnosed diabetes. 1 month prior to death.
Glucose-lowering therapy at time of death ^c	NA	NA	NA	NA	NA	Humulin N

RECOMMENDED INFORMATION						
Donor cause of death	CVA/ Natural Causes	Gunshot Wound/ Homicide	Anoxia/ Cardiovascular	Cardiovascular/ Natural Causes	ICH/Stroke	Cerebrovascular /stroke
Warm ischaemia time (h)	NA	NA	45 minutes	NA	NA	none
Cold ischaemia time (h)	NA	NA	6hr: 48min	NA	NA	8hr: 20min
Estimated purity (%)	90%	95%	95%	90-95%	90%	90%
Estimated viability (%)	95%	95%	99.4%	95%	95%	97%

Total culture time (h) ^d	na	na	placed in culture at 01:00 pst on 10/14/16. When did you run your experiment?	na	na	placed in Culture at 15:00 pst on 2/14/16. When did you run your experiment?
Glucose-stimulated insulin secretion or other functional measurement ^e	na	na	2.28	na	na	2.66
Handpicked to purity? Yes/No			No			No
Additional notes	na	na		na	na	

^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