

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/[DB20-0873] (Example, https://doi.org/10.2337/db18-1234)	
Title: ENTPD3 marks mature stem cell derived beta cells formed by self-aggregation <i>in vitro</i>	
Author list: Fiona M. Docherty ¹ , Kent A. Riemony ² , Roberto Castro-Gutierrez ¹ , JaeAnn M. Dwulet ³ , Ali H. Shilleh ¹ , Maria S. Hansen ¹ , Shane P. M. Williams ¹ , Taylor M. Triolo ¹ , Richard K. P. Benninger ³ , Holger A. Russ ^{1#}	
Corresponding author: Holger A. Russ	Email address: holger.russ@cuanschutz.edu

Islet preparation	1	2	3	4	5	6	7	8 ^a
MANDATORY INFORMATION								
Unique identifier	RRID: SAMN11476721	RRID: SAMN11523048	RRID: SAMN11578544	R341	2296	2301		
Donor age (years)	50	35	44	42	52	49		
Donor sex (M/F)	Male	Female	Female	Male	Female	Female		

Donor BMI (kg/m ²)	32.80	33.4	38.70	30	29.2	29.9		
Donor HbA _{1c} or other measure of blood glucose control	6.0%	5.4%	Average blood glucose levels: 142.20 mg/dl	Not available	Not available	Not available		
Origin/source of islets ^b	IIDP or pancreas	IIDP or pancreas	IIDP or pancreas	University of Alberta	University of Alberta	University of Alberta		
Islet isolation centre	The Scharp-Lacy Research Institute	The Scharp-Lacy Research Institute	Southern California Islet Cell Resource Center	ADI Islet Core	Clinical Islet Laboratory	Clinical Islet Laboratory		
Donor history of diabetes? Yes/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	Anoxic event	Stroke	Cerebrovascular/Stroke					
Warm ischaemia time (h)								

Cold ischaemia time (h)								
Estimated purity (%)	90	98	75	95	90	30%		
Estimated viability (%)	95	95	95		89.5	82%		
Total culture time (h) ^d	4 days and 19 hrs	5 days and 18 hrs	4 days and 18 hrs	~4 days	~5 days	~3 days		
Glucose-stimulated insulin secretion or other functional measurement ^e	none	none	none	none	none	none		
Handpicked to purity? Yes/No	No	No	No	Yes	No	No		
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