

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: Syntaxin 4 mediates NF- κ B signaling and chemokine ligand expression <i>via</i> specific interaction with I κ B β	
Author list: Rajakrishnan Veluthakal, Eunjin Oh, Miwon Ahn, Diti Chatterjee-Bhowmick, and Debbie C. Thurmond	
Corresponding author: Dr. Debbie C. Thurmond	Email address: dthurmond@coh.org

d

Islet preparation	1	2	3	4	5	6	7	8 ^a
MANDATORY INFORMATION								
Unique identifier	SAMN11483342	SAMN11514696	SAMN12500521	SAMN12924398	SAMN13254972	SAMN08768971		
Donor age (years)	52	59	52	38	60	61		
Donor sex (M/F)	F	F	M	M	F	M		
Donor BMI (kg/m ²)	39.8	21.8	29.0	28.0	44.4	27		

Donor HbA _{1c} or other measure of blood glucose control	6.4	5.2	5.1	5.4	5.6	5.6		
Origin/source of islets ^b	IIDP	IIDP	IIDP	IIDP	IIDP	City of Hope Islet Core		
Islet isolation centre	University of Wisconsin	University of Miami	University of Wisconsin	Scharp-Lacy	University of Wisconsin	SC-ICRC		
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	Anoxia	Cerebrovascular /stroke	Head trauma	Head trauma	Head trauma			
Warm ischaemia time (h)	No data available	No data available	No data available	No data available	17 min			
Cold ischaemia time (h)	335 min	594 min	493 min	528 min	374			

Estimated purity (%)	92	90	95	82	95	80		
Estimated viability (%)	98	88	98	95	98	80		
Total culture time (h) ^d	1 day 16 h	4 days 16 h	1 day 12 h	2 days 3 h	1 day 18 h			
Glucose-stimulated insulin secretion or other functional measurement ^e	IκBα/β Degradation assay	IκBα/β Degradation assay	IκBα/β Degradation assay	IκBα/β Degradation assay	IκBα/β Degradation assay	TMT analyses		
Handpicked to purity? Yes/No	Yes	Yes	Yes	Yes	Yes	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