

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: The nutrient sensor mTORC1 regulates insulin secretion by modulating β -cell autophagy	
Author list: Israeli T., Riahi Y., Garzon P., Louzada RA., Joao Pedro Werneck-de-Castro JP., Blandino-Rosano M., Yeroslaviz-Stolper R., Kadosh L., Tornovsky-Babeay S., Hacker G., Israeli N., Agmon O., Tirosh B., Cerasi E., Bernal-Mizrachi E., Leibowitz G.	
Corresponding author: Gil Leibowitz MD	Email address: gleib@hadassah.org.il

Islet preparation	1	2	3	4	5	6	7	8 ^a
MANDATORY INFORMATION								
Unique identifier	HP-21161-01	HP-21203-01	HP-21216-01					
Donor age (years)	43	25	54					

Donor sex (M/F)	M	M	F					
Donor BMI (kg/m ²)	25.5	26.5	31.8					
Donor HbA _{1c} or other measure of blood glucose control	5.4%	5.8%	5.8					
Origin/source of islets ^b	Prodo Labs	Prodo Labs	Prodo Labs					
Islet isolation centre	Prodo Labs	Prodo Labs	Prodo Labs					
Donor history of diabetes? Yes/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	Head trauma	Head trauma	Stroke					

Warm ischaemia time (h)								
Cold ischaemia time (h)								
Estimated purity (%)	90	95	95					
Estimated viability (%)	95	95	95					
Total culture time (h) ^d	4-5 days	4-5 days	4-5 days					
Glucose-stimulated insulin secretion or other functional measurement ^e	GSIS, available in Fig 8 and S6	GSIS, available in Fig8	GSIS, available in Fig8					
Handpicked to purity? Yes/No	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