

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>

Islet preparation	1	2	3	4	5	6	7	8	9
	MANDATORY INFORMATION								
Unique identifier	ND	ND	HI10	HI20	HI09	HI28	HI29	HI38	HP-21263-01T2D
Donor age (years)	56	59	41	46	59	55	59	54	60
Donor sex (M/F)	M	M	F	M	F	F	M	F	F
Donor BMI (kg/m ²)	28.6	27.2	22.4	27.2	23.7	21.9	25.6	32.9	29.9
Donor HbA _{1c} or other measure of blood glucose control								6.1	7.3
Origin/source of islets ^b	HUG (ECIT)	HUG (ECIT)	HUG (ECIT)	HUG (ECIT)	HUG (ECIT)	HUG (ECIT)	HUG (ECIT)	HUG (ECIT)	ProdoLabs (CA, USA)
Islet isolation centre	LITC – HUG (Geneva, Switzerland)	LITC – HUG (Geneva, Switzerland)	LITC – HUG (Geneva, Switzerland)	LITC – HUG (Geneva, Switzerland)	LITC – HUG (Geneva, Switzerland)	LITC – HUG (Geneva, Switzerland)	LITC – HUG (Geneva, Switzerland)	LITC – HUG (Geneva, Switzerland)	TebuBio (Berlin, Germany)
Donor history of diabetes? Please select yes/no from drop down list	No	No	No	No	No	No	No	No	Yes
	If Yes, complete the next two lines if this information is available								
Diabetes duration (years)									3
Glucose-lowering therapy at time of death ^c									Metformin
	RECOMMENDED INFORMATION								
Donor cause of death	Crania trauma	Trauma	Cerebral hemorrhage	Cerebral hemorrhage	Cerebral trauma	No death, autotransplantation	Cerebral hemorrhage	Cerebrovascular accident	Stroke

Warm ischaemia time (h)								44 min	
Cold ischaemia time (h)								7h05	
Estimated purity (%)	50	60	80	75	84	60	75	Layer II : 90% ; Layer III : 74%	90
Estimated viability (%)	90	90	90	90	90	90	90	NA	95
Total culture time (h) ^d								65h	
Glucose-stimulated insulin secretion or other functional measurement ^e	NA	NA	NA	NA	NA	NA	NA	NA	NA
Handpicked to purity? Please select yes/no from drop down list	No	No	No	No	No	No	No	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