

## 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>.

<b>Manuscript DOI:</b> <a href="https://doi.org/10.2337/[DB20-0013.R1]">https://doi.org/10.2337/[DB20-0013.R1]</a> (Example, <a href="https://doi.org/10.2337/db18-1234">https://doi.org/10.2337/db18-1234</a> )	
<b>Title:</b> Peptides derived from insulin granule proteins are targeted by CD8+ T cells across MHC Class I restrictions in humans and NOD mice.	
<b>Author list:</b> Marie Eliane Azoury*, Mahmoud Tarayrah*, Georgia Afonso, Aurore Pais, Maikel L. Colli, Claire Maillard, Cassandra Lavaud, Laure Alexandre-Heymann, Sergio Gonzalez-Duque, Yann Verdier, Joelle Vinh, Sheena Pinto, Soren Buus, Danièle Dubois-Laforgue, Etienne Larger, Jean-Paul Beressi, Graziella Bruno, Decio L. Eizirik, Sylvaine You, Roberto Mallone.	
<b>Corresponding author:</b> Roberto MALLONE	<b>Email address:</b> roberto.mallone@inserm.fr

Islet preparation	1	2	3	4	5	6	7	8 <sup>a</sup>
MANDATORY INFORMATION								
Unique identifier <sup>8</sup>	19/55	19/90	20/5	20/11	20/12			
Donor age (years)	23	31	77	64	58			
Donor sex (M/F)	F	M	M	F	F			
Donor BMI (kg/m <sup>2</sup> )	22.5	27.8	24.5	29.4	21.3			

Donor HbA <sub>1c</sub> or other measure of blood glucose control (glycemia during ICU, mg/dl)	110	146	NA	159	215			
Origin/source of islets <sup>b</sup>	UNIV. PISA	UNIV. PISA	UNIV. PISA	UNIV. PISA	UNIV. PISA			
Islet isolation centre	Pancreatic Islet Laboratory - University of Pisa	Pancreatic Islet Laboratory - University of Pisa	Pancreatic Islet Laboratory - University of Pisa	Pancreatic Islet Laboratory - University of Pisa	Pancreatic Islet Laboratory - University of Pisa			
Donor history of diabetes? Yes/No	No	No	No	No	No			
<b>If Yes, complete the next two lines if this information is available</b>								
Diabetes duration (years)	-	-	-	-	-			
Glucose-lowering therapy at time of death <sup>c</sup>	-	-	-	-	-			

RECOMMENDED INFORMATION								
Donor cause of death	Cardiac arrest	Cerebral hemorrhage	Cerebral hemorrhage	Cerebral hemorrhage	Cerebral hemorrhage			
Warm ischaemia time (h)								

Cold ischaemia time (h)	15	16	16	20	14			
Estimated purity (%)	46	66	59	47	67			
Estimated viability (%)	95.9	NA	94.9	92.0	94.6			
Total culture time (h) <sup>d</sup>	192	192	192	192	192			
GSIS – batch incubation	Yes	Yes	NA	Yes	Yes			
Handpicked to purity? Yes/No	Yes	Yes	Yes	Yes	Yes			
Additional notes								

<sup>a</sup>If you have used more than eight islet preparations, please complete additional forms as necessary

<sup>b</sup>For example, IIDP, ECIT, Alberta IsletCore

<sup>c</sup>Please specify the therapy/therapies

<sup>d</sup>Time of islet culture at the isolation centre, during shipment and at the receiving laboratory

<sup>e</sup>Please specify the test and the results