

## 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/db21-0443">https://doi.org/10.2337/db21-0443</a>	
<b>Title:</b> PTPN2 regulates the interferon signalling and endoplasmic reticulum stress response in pancreatic $\beta$ -cells in autoimmune diabetes	
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Islet preparation	1	2	3	4	5	6	7	8 <sup>a</sup>
MANDATORY INFORMATION								
Unique identifier	28-4-19	28-9-19	3-2-20					
Donor age (years)	87	75	46					
Donor sex (M/F)	M	F	F					

Donor BMI (kg/m <sup>2</sup> )	35.1	27.3	25.4					
Donor HbA <sub>1c</sub> or other measure of blood glucose control	Normal	Normal	Normal					
Origin/source of islets <sup>b</sup>	Prof Piero Marchetti	Prof Piero Marchetti	Prof Piero Marchetti					
Islet isolation centre	Pancreatic Islet Laboratory in Pisa-Italy	Pancreatic Islet Laboratory in Pisa-Italy	Pancreatic Islet Laboratory in Pisa-Italy					
Donor history of diabetes? Yes/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	Trauma	Vascular	Anoxia					
Warm ischaemia time (h)								

Cold ischaemia time (h)								
Estimated purity (%)	75	22	31					
Estimated viability (%)								
Total culture time (h) <sup>d</sup>	120	120	96					
Glucose-stimulated insulin secretion or other functional measurement <sup>e</sup>								
Handpicked to purity? Yes/No	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