

## 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/DB21-1010">https://doi.org/10.2337/DB21-1010</a> (Example, <a href="https://doi.org/10.2337/db18-1234">https://doi.org/10.2337/db18-1234</a> )	
<b>Title:</b> RhoA as a signaling hub controlling glucagon secretion from pancreatic $\alpha$ -cells	
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Islet preparation	1	2	3	4	5	6	7	8 <sup>a</sup>
MANDATORY INFORMATION								
Unique identifier	DON253	DON304	DON315					
Donor age (years)	13	19	10					
Donor sex (M/F)	F	M	M					
Donor BMI (kg/m <sup>2</sup> )	17.9	25.3	16.5					

Donor HbA <sub>1c</sub> or other measure of blood glucose control	12.8	10.9	9.7					
Origin/source of islets <sup>b</sup>	nPOD	nPOD	nPOD					
Islet isolation centre	University of Pittsburgh	University of Pittsburgh	University of Pittsburgh					
Donor history of diabetes? Yes/No	Yes	Yes	Yes					
<b>If Yes, complete the next two lines if this information is available</b>								
Diabetes duration (years)	6	8	7					
Glucose-lowering therapy at time of death <sup>c</sup>	Insulin	Insulin	Insulin					

RECOMMENDED INFORMATION								
Donor cause of death	DBD	DBD	Not indicated					
Warm ischaemia time (h)								
Cold ischaemia time (h)	11.3	16	17					

Estimated purity (%)		20-25%	20-25%					
Estimated viability (%)								
Total culture time (h) <sup>d</sup>	17	95.5	44					
Glucose-stimulated insulin secretion or other functional measurement <sup>e</sup>								
Handpicked to purity? Yes/No								
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