

## 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>.

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<b>Title:</b> Sulfated progesterone metabolites that enhance insulin secretion via TRPM3 are reduced in serum from women with gestational diabetes mellitus	
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Islet preparation	1	2	3	4	5	6	7	8 <sup>a</sup>
MANDATORY INFORMATION								
Unique identifier	132710	133181	136993	137645				
Donor age (years)	46	38	40	43				
Donor sex (M/F)	F	F	F	F				

Donor BMI (kg/m <sup>2</sup> )	29.03	27	27.01	30				
Donor HbA <sub>1c</sub> or other measure of blood glucose control	n/a donors were non-diabetic	n/a donors were non-diabetic	n/a donors were non-diabetic	n/a donors were non-diabetic				
Origin/source of islets <sup>b</sup>	King's College Hospital islet transplantation unit	King's College Hospital islet transplantation unit	King's College Hospital islet transplantation unit	King's College Hospital islet transplantation unit				
Islet isolation centre	King's College Hospital islet transplantation unit	King's College Hospital islet transplantation unit	King's College Hospital islet transplantation unit	King's College Hospital islet transplantation unit				
Donor history of diabetes? Yes/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								
Warm ischaemia time (h)								

Cold ischaemia time (h)								
Estimated purity (%)	50	60	50	65				
Estimated viability (%)	60	80	80	75				
Total culture time (h) <sup>d</sup>	36	36	36	36				
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