### **Electronic Supplementary Material (ESM)**

### ESM Table 1. Supplementary Tables of Reagents: Primary Antibodies (Table 1A) and Accessory Agents (Table 1B)

Primary Antibody	Manufacturer and catalogue No.	Antigen Retrieval	Antibody Dilution	Secondary Antibody Details	Validation
Insulin	Dako C#A0564 Guinea-pig polyclonal (now supplied by Agilent) C#IR00261-2	10mM citrate pH6.0	1/600 for 1h at RT	Dako REAL <sup>™</sup> Envision <sup>™</sup> Detection System, as per manufacturers instructions	Validated in pancreas tissue with appropriate negative tissue and isotype controls. Used in >540 publications in the literature. The antibody cross-reacts with insulin from several mammalian species. Specificity as determined by radioimmunoassay was 100% for human insulin, 100% for porcine insulin and less than 0.05% for glucagon and human growth hormone. This product has been optimised for use on human tissues. Antibody Registry: AB_10013624 <u>https://antibodyregistry.org/search?q=A0</u> <u>564</u>
Glucagon	Abcam C#ab10988, [K79bB10] Mouse monoclonal	10mM citrate pH6.0	1/2000	Vector AP-ABC kit combined with Vector Red Substrate kit, as	Validated in pancreas tissue with appropriate negative tissue and isotype controls.

**1A. Primary Antibodies** 

		per manufacturers	Cite ab:
		instructions	https://www.citeab.com/antibodies/7333
			52-ab10988-anti-glucagon-antibody-
			<u>k79bb10</u>
			Antibody Registry: AB_297642
			https://antibodyregistry.org/search.php?q =AB_297642

## **1B.** Accessory Agents

Accessory Agents	Company	Catalogue No.	Description	Details	
Dako REAL peroxidase blocking system	Dako (now supplied by Agilent)	S2023 (S202386-2)	Blocking agent	Use as per manufacturers instructions	
Dako Antibody Diluent	Dako (now supplied by Agilent)	S2022 (S202230-2)	Antibody Diluent	Use as per manufacturers instructions	
Normal Goat serum	Vector Laboratories	S1000	Blocking agent	5% NGS in Tris buffered saline	
Dako REAL™ Envision- HRP, Detection System	Dako (now supplied by Agilent)	K5007 (K500711-2)	Secondary detection system used for Insulin antibody	Use as per manufacturers instructions	
Vector AP-ABC kit (Mouse)	Vector Laboratories	AK-5002	Secondary detection system used for glucagon antibody	Use as per manufacturers instructions	
Vector Red Substrate kit	Vector Laboratories	SK-5100	Secondary detection system used for glucagon antibody	Use as per manufacturers instructions	
Dako Haematoxylin	Dako (now supplied by Agilent)	S2020	Counterstain	Use as per manufacturers instructions	

	All	Residual	Residual	p-value
		ICI<5%	ICI≥5%	
		N=80	N=30	
% residual ICI: Mean (SD) (range)	9.8 (21.5)	0.2 (0.5)	35.6 (28.3)	<0.001
	(0.0, 92.2)	(0, 2.2)	(6.4, 92.2)	
Age, attained (years): Mean (SD)	27.9 (13.4)	30 (14.3)	22.2 (8.8)	0.007
(range)	(4.4, 78.0)	(4.4, 78.0)	(11.0, 45.0)	
Age at T1D onset (years): Mean	12.2 (7.9)	11.1 (8)	15.3 (6.9)	0.013
(SD) (range)	(0-36)	(0.0,36.0)	(3.0,35.0)	
Age at T1D onset category:				0.007
<7 years	32 (29.1%)	30 (37.5%)	2 (6.7%)	

## ESM Table 2. Characteristics of donors in the study (n=110), and comparison by residual ICI%

7-12 years	31 (28.2%)	20 (25.0%)	11 (36.7%)	
≥13 years	47 (42.7%)	30 (37.5%)	17 (56.7%)	
T1D duration (years): Mean (SD)	15.3 (13.7) (0-74)	18.5 (14.3)	7.0 (7.4)	<0.001
(range)		(0.0,74.0)	(0.0,32.5)	
BMI: Mean (SD) (range)	24.5 (4.6)	24.7 (4.1)	24.1 (5.8)	0.610
	(12.9-42.5)	(15.9,37.1)	(12.9,42.5)	
BMI percentile*: Mean (SD)	67.0 (26.3)	68.2 (24.2)	63.9 (31.5)	0.445
(range)	(2.0, 98.1)	(2.0,98.1)	(2.0,98.1)	
BMI Z-score*: Mean (SD) (range)	0.6 (1.0)	0.6 (0.9)	0.4 (1.2)	0.316
	(-3.4, 3.9)	(-2.1,3.9)	(-3.4,2.2)	
BMI Category				0.455
Underweight	8 (7.3%)	4 (5%)	4 (13.3%)	

Normal	53 (48.2%)	39 (48.8%)	14 (46.7%)	
Overweight	32 (29.1%)	25 (31.3%)	7 (23.3%)	
Obese	17 (15.5%)	12 (15%)	5 (16.7%)	
Gender				0.227
Female	52 (47.3%)	35 (43.8%)	17 (56.7%)	
Male	58 (52.7%)	45 (56.3%)	13 (43.3%)	
Race/ethnicity				0.083
Non-Hispanic White	88 (80%)	68 (85%)	20 (66.7%)	
African American	14 (12.7%)	7 (8.8%)	7 (23.3%)	
Hispanic/Latino	8 (7.3%)	5 (6.3%)	3 (10%)	
African American race				0.0410

African American	14 (12.7%)	7 (8.8%)	7 (23.3%)	
Other	96 ((87.3%)	73 (91.3%)	23 (76.7%)	
Ancestry score: Mean (SD) (range)				
AFR	0.1 (0.3)	0.1 (0.2)	0.2 (0.3)	0.043
	(0.0,0.9)	(0.0,0.9)	(0.0,0.9)	
AMR	0.0 (0.1)	0.0 (0.1)	0.1 (0.2)	0.395
	(0.0,0.8)	(0.0,0.8)	(0.0,0.6)	
EAS	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)	0.149
	(0.0,0.0)	(0.0,0.0)	(0.0,0.0)	
EUR	0.8 (0.3)	0.9 (0.3)	0.7 (0.3)	0.023
	(0.1,1.0)	(0.1,1.0)	(0.1,1.0)	
SAS	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)	0.663

	(0.0,0.1)	(0.0,0.1)	(0.0,0.1)	
<i>TCF7L2</i> rs7903146 (Major allele:				
C)				
CC	60 (54.5%)	47 (58.8%)	13 (43.3%)	0.322
тс	46 (41.8%)	30 (37.5%)	16 (53.3%)	
ТТ	4 (3.6%)	3 (3.8%)	1 (3.3%)	

\*BMI percentile and Z-score for adults were obtained by assigning the age of 20 years old.

ESM Figure 1. Distribution of ICI% in the study sample



# Diabetologia

#### 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 <u>https://doi.org/10.1007/s00125-018-4772-2</u>

# (1) Authors' note: Please note that our study examined tissue sections and not isolated islets and thus, "origin/source of islets" and "isolation centre" do not apply.

Islet preparation	1	2	3	4	5	6	7	8 <sup>a</sup>		
	MANDATORY INFORMATION									
Unique identifier	6025	6026	6031	6032	6035	6036	6038	6039		
Donor age (years)	23.8	22.4	39	33.8	32.1	49.2	37.2	28.7		
Donor sex (M/F)	Male	Male	Male	Male	Male	Female	Female	Female		
Donor BMI (kg/m <sup>2</sup> )	26.6	24.1	24.5	29.4	27.1	25.5	30.9	23.4		
Donor HbA <sub>1c</sub> or other measure of blood glucose control	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		
Origin/source of islets <sup>b</sup> Please see authors' note: N/A										
Islet isolation centre Please see authors' note: N/A										
Donor history of diabetes? Please select yes/no from drop down list	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
If Yes, complete the next two	o lines if this info	ormation is availa	able							
Diabetes duration (years)	19.00	9.00	35.00	0.00	28.00	34.00	20.00	12.00		
Glucose-lowering therapy at time of death <sup>c</sup>	Yes: insulin	Yes: Humalog and Lantus	Yes: insulin	n/a	Yes: humulin N	Yes: insulin	Yes: Humulin 70/30	Yes: insulin		
	RECOMMENDED INFORMATION									

Donor cause of death				
Warm ischaemia time (h)				
Cold ischaemia time (h)				
Estimated purity (%)				
Estimated viability (%)				
Total culture time (h) <sup>d</sup>				
Glucose-stimulated insulin secretion or other functional measurement <sup>e</sup>				
Handpicked to purity? Please select yes/no from drop down list				
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

Islet preparation	9	10	11	12	13	14	15	16
MANDATORY INFORMATION								
Unique identifier	6040	6041	6042	6045	6046	6051	6052	6054
Donor age (years)	50	26.3	60	26.4	18.8	20.3	12	35.1
Donor sex (M/F)	Female	Male	Female	Male	Female	Male	Male	Female
Donor BMI (kg/m²)	31.6	28.4	23.4	23.1	25.2	21.5	20.3	30.4
Donor HbA <sub>1c</sub> or other measure of blood glucose control	7.3	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Origin/source of islets <sup>b</sup> Please see authors' note: N/A								
Islet isolation centre Please see authors' note: N/A								
Donor history of diabetes? Please select yes/no from drop down list	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
If Yes, complete the next two	o lines if this info	ormation is availa	able					
Diabetes duration (years)	20.00	23.00	59.00	8.00	8.00	13.00	1.00	30.00
Glucose-lowering therapy at time of death <sup>c</sup>	Yes: Humalog	Yes: Novalin and Lantes	n/a	Yes: OTC insulin	Yes: Lantus and Novolog	Yes: Humalog and Lantus	Yes: Humalog and Lantus	Yes: humulin N / humulin R
			RECOMMENDE	ED INFORMATIO	N			
Donor cause of death								
Warm ischaemia time (h)								
Cold ischaemia time (h)								
Estimated purity (%)								
Estimated viability (%)								

Total culture time (h) <sup>d</sup>				
Glucose-stimulated insulin secretion or other functional measurement <sup>e</sup>				
Handpicked to purity? Please select yes/no from drop down list				
Additional notes				

Islet preparation	17	18	19	20	21	22	23	24
	-	-	MANDATORY	(INFORMATION	-			

Unique identifier	6061	6063	6064	6066	6067	6070	6071	6077		
Donor age (years)	28.1	4.4	19.6	78	32.6	22.6	28	32.9		
Donor sex (M/F)	Male	Male	Female	Male	Female	Female	Female	Female		
Donor BMI (kg/m <sup>2</sup> )	22.1	23.8	22.6	30.9	26.8	21.6	19.5	22		
Donor HbA <sub>1c</sub> or other measure of blood glucose control	n/a	n/a	n/a	n/a	n/a	n/a	7.3	12.4		
Origin/source of islets <sup>b</sup> Please see authors' note: N/A										
Islet isolation centre Please see authors' note: N/A										
Donor history of diabetes? Please select yes/no from drop down list	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
If Yes, complete the next two	If Yes, complete the next two lines if this information is available									
Diabetes duration (years)	23.00	3.00	9.00	74.00	8.00	7.00	17.00	19.00		
Glucose-lowering therapy at time of death <sup>c</sup>	Yes: Lantus and Novolog	Yes: Lantus and Novolog	Yes: insulin	Yes: Humalog and Lantus	Yes: insulin	Yes: Lantus (non- compliant)	Yes: Lantus and Novolog	Yes: insulin		
			RECOMMENDE	D INFORMATIO	N					
Donor cause of death										
Warm ischaemia time (h)										
Cold ischaemia time (h)										
Estimated purity (%)										
Estimated viability (%)										
Total culture time (h) <sup>d</sup>										
Glucose-stimulated insulin secretion or other functional measurement <sup>e</sup>										

Handpicked to purity? Please select yes/no from drop down list				
Additional notes				

Islet preparation	25	26	27	28	29	30	31	32	
MANDATORY INFORMATION									
Unique identifier	6079	6083	6084	6087	6088	6089	6113	6119	
Donor age (years) 11.1 15.2 14.2 17.5 31.2 14.3 13.1 27.8									
Donor sex (M/F)	Female	Female	Male	Male	Male	Male	Female	Male	

Donor BMI (kg/m <sup>2</sup> )	18.6	18.4	26.3	21.9	27	26	24.75	19.4		
Donor HbA <sub>1c</sub> or other measure of blood glucose control	n/a	n/a	n/a	n/a	n/a	10.4	n/a	8.4		
Origin/source of islets <sup>b</sup> Please see authors' note: N/A										
Islet isolation centre Please see authors' note: N/A										
Donor history of diabetes? Please select yes/no from drop down list	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
If Yes, complete the next two	o lines if this infe	ormation is avail	able							
Diabetes duration (years)	8.00	11.00	4.00	4.00	5.00	8.00	1.58	14.00		
Glucose-lowering therapy at time of death <sup>c</sup>	Yes: Lantus, NPH, Lispro	Yes: Humalog	Yes: insulin	Yes: Humalog and Lantus	Yes: insulin	Yes: Humalog and Lantus	Yes: insulin	Yes: Novolog		
	RECOMMENDED INFORMATION									
Donor cause of death										
Donor cause of death Warm ischaemia time (h)										
Donor cause of death Warm ischaemia time (h) Cold ischaemia time (h)										
Donor cause of death Warm ischaemia time (h) Cold ischaemia time (h) Estimated purity (%)										
Donor cause of death Warm ischaemia time (h) Cold ischaemia time (h) Estimated purity (%) Estimated viability (%)										
Donor cause of death Warm ischaemia time (h) Cold ischaemia time (h) Estimated purity (%) Estimated viability (%) Total culture time (h) <sup>d</sup>										
Donor cause of death Warm ischaemia time (h) Cold ischaemia time (h) Estimated purity (%) Estimated viability (%) Total culture time (h) <sup>d</sup> Glucose-stimulated insulin secretion or other functional measurement <sup>e</sup>										

Additional notes				

Islet preparation	33	34	35	36	37	38	39	40	
MANDATORY INFORMATION									
Unique identifier	6128	6141	6143	6145	6148	6150	6152	6155	
Donor age (years)	33.8	36.7	32.6	18	17.1	41.2	29.6	50	
Donor sex (M/F)	Female	Male	Female	Male	Male	Male	Female	Female	
Donor BMI (kg/m <sup>2</sup> )	22.2	26	26.1	23.1	23.9	25.5	30.1	26	

Donor HbA <sub>1c</sub> or other measure of blood glucose control	n/a	n/a	n/a	n/a	n/a	n/a	11.3	n/a			
Origin/source of islets <sup>b</sup> Please see authors' note: N/A											
Islet isolation centre Please see authors' note: N/A											
Donor history of diabetes? Please select yes/no from drop down list	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
If Yes, complete the next two	o lines if this info	ormation is availa	able								
Diabetes duration (years)	31.50	28.00	7.00	11.00	7.00	35.00	12.00	43.00			
Glucose-lowering therapy at time of death <sup>c</sup>	Yes: insulin	Yes: Lantus and Novolog	Yes: Humalog and Lantus	Yes: insulin	Yes: Humalog	Yes: insulin	Yes: Humalog and Lantus	Yes: Novolog and Novolin N			
	RECOMMENDED INFORMATION										
Donor cause of death											
Warm ischaemia time (h)											
Cold ischaemia time (h)											
Estimated purity (%)											
Estimated viability (%)											
Total culture time (h) <sup>d</sup>											
Glucose-stimulated insulin secretion or other functional measurement <sup>e</sup>											
Handpicked to purity? Please select yes/no from drop down list											
Additional notes											

Islet preparation	41	42	43	44	45	46	47	48	
MANDATORY INFORMATION									
Unique identifier	6159	6161	6163	6169	6173	6180	6195	6196	
Donor age (years)	50.8	19.2	32.5	27.6	44.1	27.1	19.3	26.5	
Donor sex (M/F)	Female	Female	Male	Female	Male	Male	Male	Female	
Donor BMI (kg/m <sup>2</sup> )	35.5	36.1	25.5	25	23.9	25.9	23.7	26.6	
Donor HbA <sub>1c</sub> or other measure of blood glucose control	n/a	11.1	10.1	9.5	n/a	n/a	n/a	n/a	
Origin/source of islets <sup>b</sup> Please see authors' note: N/A									

Islet isolation centre Please see authors' note: N/A									
Donor history of diabetes? Please select yes/no from drop down list	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
If Yes, complete the next two lines if this information is available									
Diabetes duration (years)	44.00	7.00	30.00	15.00	15.00	11.00	5.00	15.00	
Glucose-lowering therapy at time of death <sup>c</sup>	Yes: insulin	Yes: Humulin R	Yes: insulin	Yes: insulin	Yes: Humalog and Lantus	Yes: Novolog	Yes: insulin	Yes: insulin	
			RECOMMEND	ED INFORMATIO	N				
Donor cause of death									
Warm ischaemia time (h)									
Cold ischaemia time (h)									
Estimated purity (%)									
Estimated viability (%)									
Total culture time (h) <sup>d</sup>									
Glucose-stimulated insulin secretion or other functional measurement <sup>e</sup>									
Handpicked to purity? Please select yes/no from drop down list									
Additional notes									

Islet preparation	49	50	51	52	53	54	55	56		
MANDATORY INFORMATION										
Unique identifier	6198	6204	6205	6207	6208	6209	6211	6212		
Donor age (years)	22	28	40.9	16.7	32.6	5	24	20		
Donor sex (M/F)	Female	Male	Female	Female	Female	Female	Female	Male		
Donor BMI (kg/m <sup>2</sup> )	23.1	22.9830484	22.6	24.4	23.4	15.9	24.4	29.1		
Donor HbA <sub>1c</sub> or other measure of blood glucose control	n/a	7.2	n/a	n/a	n/a	n/a	10.8	6.4		
Origin/source of islets <sup>b</sup> Please see authors' note: N/A										
Islet isolation centre Please see authors' note: N/A										
Donor history of diabetes? Please select yes/no from drop down list	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		

If Yes, complete the next two lines if this information is available								
Diabetes duration (years)	3.00	21.00	33.00	10.00	16.00	0.25	4.00	5.00
Glucose-lowering therapy at time of death <sup>c</sup>	Yes: 70/30	Yes: insulin (non- compliant most of time)	Yes: Lantus and Novolog	Yes: Humalog and Lantus	Yes: insulin	Yes: Humalog and Lantus	Yes: Lantus and Novolog	Insulin: Humalog
RECOMMENDED INFORMATION								
Donor cause of death								
Warm ischaemia time (h)								
Cold ischaemia time (h)								
Estimated purity (%)								
Estimated viability (%)								
Total culture time (h) <sup>d</sup>								
Glucose-stimulated insulin secretion or other functional measurement <sup>e</sup>								
Handpicked to purity? Please select yes/no from drop down list								
Additional notes								

Islet preparation	57	58	59	60	61	62	63	64		
MANDATORY INFORMATION										
Unique identifier	6215	6220	6223	6224	6228	6231	6236	6237		
Donor age (years)	34	35	61	21	13	49	25	18		
Donor sex (M/F)	Male	Female	Male	Female	Male	Female	Male	Female		
Donor BMI (kg/m <sup>2</sup> )	26.6	27.4	23.4	22.8	17.36	25.4	20.1	26		
Donor HbA <sub>1c</sub> or other measure of blood glucose control	8	n/a	n/a	n/a	13.3	10.4	11.6	n/a		
Origin/source of islets <sup>b</sup> Please see authors' note: N/A										
Islet isolation centre Please see authors' note: N/A										
Donor history of diabetes? Please select yes/no from drop down list	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
If Yes, complete the next two lines if this information is available										
Diabetes duration (years)	15.00	11.00	52.00	1.50	0.00	20.00	11.00	12.00		

Glucose-lowering therapy at time of death <sup>c</sup>	Yes: insulin	Yes: insulin	Yes: insulin	Yes: Humulin and Novolog	No	Yes: Lantus and Novolog	Yes: Humalog and Lantus	Yes: insulin		
RECOMMENDED INFORMATION										
Donor cause of death										
Warm ischaemia time (h)										
Cold ischaemia time (h)										
Estimated purity (%)										
Estimated viability (%)										
Total culture time (h) <sup>d</sup>										
Glucose-stimulated insulin secretion or other functional measurement <sup>e</sup>										
Handpicked to purity? Please select yes/no from drop down list										
Additional notes										

Islet preparation	65	66	67	68	69	70	71	72
	-		MANDATORY	(INFORMATION				
Unique identifier	6241	6242	6243	6244	6245	6246	6247	6258
Donor age (years)	33	39	13	34	22	41	24	39
Donor sex (M/F)	Male	Male	Male	Male	Male	Female	Male	Female
Donor BMI (kg/m <sup>2</sup> )	18.4	19.5	21.3	23.8	23.2	21.1	24.27	28.7
Donor HbA <sub>1c</sub> or other measure of blood glucose control	n/a	7.9	13.1	5.9	n/a	13.4	n/a	8
Origin/source of islets <sup>b</sup> Please see authors' note: N/A								
Islet isolation centre Please see authors' note: N/A								
Donor history of diabetes? Please select yes/no from drop down list	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
If Yes, complete the next two	o lines if this info	ormation is availa	able					
Diabetes duration (years)	31.00	19.00	5.00	28.00	7.00	27.00	0.60	37.00
Glucose-lowering therapy at time of death <sup>c</sup>	Yes: Humalog	Yes: Humalog	Yes: Novolog	Yes: insulin	Yes: Humalog and Lantus	Yes: insulin	Yes: Lantus and Novolog	Yes: insulin
RECOMMENDED INFORMATION								
Donor cause of death								

Warm ischaemia time (h)				
Cold ischaemia time (h)				
Estimated purity (%)				
Estimated viability (%)				
Total culture time (h) <sup>d</sup>				
Glucose-stimulated insulin secretion or other functional measurement <sup>e</sup>				
Handpicked to purity? Please select yes/no from drop down list				
Additional notes				

Islet preparation	73	74	75	76	77	78	79	80
			MANDATORY	(INFORMATION				
Unique identifier	6261	6262	6264	6265	6266	6268	6281	6285
Donor age (years)	16	44	12	11	30	12	37	22
Donor sex (M/F)	Male	Male	Female	Male	Male	Female	Male	Female
Donor BMI (kg/m <sup>2</sup> )	20.7	21.5	22	12.85	27.1	26.6	37.1	21.8
Donor HbA <sub>1c</sub> or other measure of blood glucose control	7.2	n/a	8.9	n/a	13	9.8	7.6	n/a
Origin/source of islets <sup>b</sup> Please see authors' note: N/A								
Islet isolation centre Please see authors' note: N/A								
Donor history of diabetes? Please select yes/no from drop down list	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
If Yes, complete the next two	o lines if this info	ormation is avail:	able					
Diabetes duration (years)	14.17	8.00	9.00	8.00	23.00	3.00	20.00	15.00
Glucose-lowering therapy at time of death <sup>c</sup>	Yes: Novolog and Humalog	Yes: Novolog and Levemir	Yes: Humalog, Novolog, Lantus	Yes: insulin	Yes: insulin	Yes: Novolog	Yes: Humalog and Lantus	Yes: insulin
RECOMMENDED INFORMATION								
Donor cause of death								

Warm ischaemia time (h)				
Cold ischaemia time (h)				
Estimated purity (%)				
Estimated viability (%)				
Total culture time (h) <sup>d</sup>				
Glucose-stimulated insulin secretion or other functional measurement <sup>e</sup>				
Handpicked to purity? Please select yes/no from drop down list				
Additional notes				

Islet preparation	81	82	83	84	85	86	87	88
			MANDATORY	INFORMATION				
Unique identifier	6296	6298	6299	6302	6306	6307	6319	6321
Donor age (years)	20	29	32	38.5	19	45	52	27
Donor sex (M/F)	Male	Male	Male	Male	Male	Female	Male	Female
Donor BMI (kg/m²)	32	24.3	31.8	20.5	24.5	19.48	25.5	20.3
Donor HbA <sub>1c</sub> or other measure of blood glucose control	5.6	13.3	n/a	8.2	10.1	n/a	8.6	8.1
Origin/source of islets <sup>b</sup> Please see authors' note: N/A								
Islet isolation centre Please see authors' note: N/A								
Donor history of diabetes? Please select yes/no from drop down list	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
If Yes, complete the next two	o lines if this info	ormation is avail	able					
Diabetes duration (years)	12.00	26.00	23.00	32.50	5.00	10.00	25.00	16.00
Glucose-lowering therapy at time of death <sup>c</sup>	Yes: insulin	Yes: insulin	Yes: insulin	Yes: Lantus	Yes: Lantus and Novolog	Yes: insulin	Yes: insulin	Yes: Humalog
	-		RECOMMENDE	ED INFORMATIO	N	-		
Donor cause of death								
Warm ischaemia time (h)								
Cold ischaemia time (h)								
Estimated purity (%)								
Estimated viability (%)								

Total culture time (h) <sup>d</sup>				
Glucose-stimulated insulin secretion or other functional measurement <sup>e</sup>				
Handpicked to purity? Please select yes/no from drop down list				
Additional notes				

Islet preparation	89	90	91	92	93	94	95	96	
MANDATORY INFORMATION									
Unique identifier	6322	6323	6325	6327	6328	6330	6337	6341	

Donor age (years)	22	22	20	71.2	39	22	20.6	26	
Donor sex (M/F)	Male	Female	Female	Male	Male	Male	Female	Male	
Donor BMI (kg/m <sup>2</sup> )	23.6	24.7	31.2	23.2	23.98	22.6	17.9	21.8	
Donor HbA <sub>1c</sub> or other measure of blood glucose control	n/a	6.6	n/a	n/a	8.7	n/a	12.5	13.6	
Origin/source of islets <sup>b</sup> Please see authors' note: N/A									
Islet isolation centre Please see authors' note: N/A									
Donor history of diabetes? Please select yes/no from drop down list	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
If Yes, complete the next two lines if this information is available									
Diabetes duration (years)	17.00	6.00	6.00	57.00	20.00	18.00	5.00	15.00	
Glucose-lowering therapy at time of death <sup>c</sup>	Yes: insulin	Yes: Novolog	Yes: insulin	Yes: insulin	Yes: insulin	Yes: Novolog	Yes: insulin	Yes: insulin	
			RECOMMEND	ED INFORMATIO	N				
Donor cause of death									
Warm ischaemia time (h)									
Cold ischaemia time (h)									
Estimated purity (%)									
Estimated viability (%)									
Total culture time (h) <sup>d</sup>									
Glucose-stimulated insulin secretion or other functional measurement <sup>e</sup>									
Handpicked to purity? Please select yes/no from									

Additional notes				

Islet preparation	97	98	99	100	101	102	103	104	
MANDATORY INFORMATION									
Unique identifier	6342	6360	6362	6367	6371	6380	6396	6399	
Donor age (years)	14	4.8	24.9	24	12.5	11.6	17.1	17.42	
Donor sex (M/F)	Female	Female	Male	Male	Female	Female	Female	Male	
Donor BMI (kg/m <sup>2</sup> )	24.3	26.1	28.5	25.7	16.6	14.6	22.6	32	

Donor HbA <sub>1c</sub> or other measure of blood glucose control	9.2	10.2	10	8.8	9.5	13.5	13.4	10.4
Origin/source of islets <sup>b</sup> Please see authors' note: N/A								
Islet isolation centre Please see authors' note: N/A								
Donor history of diabetes? Please select yes/no from drop down list	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
If Yes, complete the next two	o lines if this info	ormation is avail	able					
Diabetes duration (years)	2.00	2.50	0.00	2.00	2.00	0.00	2.00	0.00
Glucose-lowering therapy at time of death <sup>c</sup>	Yes: insulin	Yes: Humalog and Lantus	None at home reportedly; insulin IV drip upon admission	Yes: Lantus and Novolog	Yes: Lantus and Novolog	No	Yes: Humalog and Lantus	No
			RECOMMENDE	ED INFORMATIO	N			
Donor cause of death								
Warm ischaemia time (h)								
Cold ischaemia time (h)								
Estimated purity (%)								
Estimated viability (%)								
Total culture time (h) <sup>d</sup>								
Glucose-stimulated insulin secretion or other functional measurement <sup>e</sup>								

Additional notes				

Islet preparation	105	106	107	108	109	110			
MANDATORY INFORMATION									
Unique identifier	6405	6418	6435	6472	6473	6477			
Donor age (years)	29.1	24.86	24.75	10.25	13.21	19.87			
Donor sex (M/F)	Female	Male	Female	Female	Male	Female			
Donor BMI (kg/m <sup>2</sup> )	42.5	26.4	26.9	16.6	17.9	25.3			

Donor HbA <sub>1c</sub> or other measure of blood glucose control	7	7.5	11.6	9.7	12.8	10.9			
Origin/source of islets <sup>b</sup> Please see authors' note: N/A									
Islet isolation centre Please see authors' note: N/A									
Donor history of diabetes? Please select yes/no from drop down list	Yes	Yes	Yes	Yes	Yes	Yes			
If Yes, complete the next two	o lines if this info	ormation is avail	able						
Diabetes duration (years)	0.60	11.00	14.75	4.00	6.00	8.00			
Glucose-lowering therapy at time of death <sup>c</sup>	Yes: insulin	Yes: insulin	Yes: Insulin and Tresiba	Yes: insulin	Yes: Lantus	Yes: Lantus, Humalog, Insulin aspart/ degludec			
RECOMMENDED INFORMATION									
			RECOMMEND		N				
Donor cause of death			RECOMMEND	ED INFORMATIC	N				
Donor cause of death Warm ischaemia time (h)			RECOMMEND	ED INFORMATIO	N				
Donor cause of death Warm ischaemia time (h) Cold ischaemia time (h)					N				
Donor cause of death Warm ischaemia time (h) Cold ischaemia time (h) Estimated purity (%)					N				
Donor cause of death Warm ischaemia time (h) Cold ischaemia time (h) Estimated purity (%) Estimated viability (%)					N				
Donor cause of death Warm ischaemia time (h) Cold ischaemia time (h) Estimated purity (%) Estimated viability (%) Total culture time (h) <sup>d</sup>					N				
Donor cause of death Warm ischaemia time (h) Cold ischaemia time (h) Estimated purity (%) Estimated viability (%) Total culture time (h) <sup>d</sup> Glucose-stimulated insulin secretion or other functional measurement <sup>e</sup>					N				

Additional notes				