

**UK NEQAS FOR H&I SCHEME 1B - HLA-B27 TESTING**

HLA-B27 TYPING RESULTS OF SAMPLES 1B05&6/2016

DESPATCHED ON 24TH MAY 2016

Summary of Results					
Total tested	120	120			
Positive	116	3	Donor HLA type	1B05/2016	HLA-A2, A25, B27, B39; Cw1, Cw12; DR4, DR11; DQ7, DQ8
Negative	4	117	Donor HLA type	1B06/2016	HLA-A3, A25; B18, B47; Cw6, Cw12; DR4, DR13; DQ6, DQ7
NT/Equivocal	1	1			
% Positive	96.7%	2.5%			
% Negative	3.3%	97.5%			

Lab No	Result 1B05/2016	Result 1B06/2016	Date received	Date tested	Method	Source of pos/neg control cells used (if applicable)	Primers and Probes	PCR-SSP Detection system	High Resolution Typing HLA-B*27 alleles 1B05/2016	High Resolution Typing HLA-B*27 alleles 1B06/2016	Comments
1	Positive	Negative	18-May	27-May	SSP		Alta Bioscience	Gel			
3	Positive	Negative	24-May	25-May	Flow Cytometry						
4	Positive	Negative	25-May	10-Jun	SSP		Own design	Fluorescence, SYBR GREEN and Melting Curve			
7	Positive	Negative	25-May	25-May	Flow Cytometry	Enzo Life Sciences					
8	Positive	Negative	25-May	25-May	Flow Cytometry	Control included in assay					
9	Positive	Negative	25-May	27-May	SSP	In-house	Own design	Gel			
10	Positive	Negative	25-May	25-May	SSP						
11	Positive	Negative	25-May	08-Jun	Luminex						B*27:03/05/13/17/19/37/48/55/56/58/60/64N/70/71/72/73/74/80/82/84/87...
12	Positive	Negative	26-May	06-Jun	SSP		Own design	Gel			
14	Positive	Positive	25-May	26-May	SSP		Own design	Gel			
15	Positive	Negative	25-May	26-May	PCR-SSP						
16	Positive	Negative	25-May	30-May	SSP		Olerup	Gel			
17	Positive	Negative	26-May	31-May	Flow Cytometry, SSP	In-house	Invitrogen	Gel			
19	Positive	Negative	26-May	27-May	SSP, Luminex		Own design	Gel			
20	Positive	Negative	25-May	26-May	Flow Cytometry	In-house					
21	Positive	Negative	25-May	26-Jun	Flow Cytometry						
22	Positive	Negative	26-May	27-May	RT-PCR	In-house (previous NEQAS scheme samples)	In-house				
23	Positive	Negative	25-May	31-May	SSP		Own design	Gel			
24	Positive	Negative	25-May	02-Jun	SSP		Olerup	Gel			
26	Positive	Negative	25-May	25-May	SSP		Own design	Gel			
27	Positive	Negative	25-May	25-May	Flow Cytometry	Neg = Immunotrol cells (Beckman Coulter) Pos = Pheonix Flow CRISP HLA B27 pos cells					
28	Positive	Negative	25-May	30-May	SSO	In-house					
29	Positive	Negative	25-May	30-May	SSP/SSO		Biofortuna	Gel			
31	Positive	Negative	26-May	26-May	Flow Cytometry	Positive control cells not used	Phoenix Flow				
32	Positive	Negative	25-May	25-May	Flow Cytometry						
34	Positive	Negative	25-May	25-May	SSP		Olerup	Gel			
35	Positive	Negative	26-May	31-May	SSP		Own design	Gel			
37	Positive	Negative	25-May	07-Jun	SSP		Own design	Gel, Fluorescence			
38	Positive	Negative	25-May	01-Jun	SSP		Own design	Gel			
40	Positive	Negative	26-May	26-May	Flow Cytometry						
41	Positive	Negative	25-May	27-May	SSP		Own design	Gel			
42	Positive	Negative	25-May	27-May	Luminex						B*27:05/47/116/117
45	Positive	Negative	26-May	08-Jun	SSP	In-house	Own design	Gel			
46	Positive	Negative	26-May	27-May	Flow Cytometry	Axora					
47	Positive	Negative	25-May	25-May	Flow Cytometry	In-house					
48	Positive	Negative	26-May	31-May	SSP		Invitrogen	Gel			
54	Positive	Negative	25-May	06-Jun	SSP		Own design	Gel			
55	Positive	Negative	16-May	13-Jun	SSP		Hain Lifesciences	Fluorescence			
57	Positive	Negative	25-May	25-May	Flow Cytometry	In-house					
58	Positive	Negative	25-May	31-May	SSP		Innotrain	Gel			
62	Positive	Negative	25-May	25-May	SSP, SBT	Secore	Olerup				
66	Positive	Negative	25-May	07-Jun	RT-PCR - TACAMAN		Own design	Fluorescence			
67	Positive	Negative	25-May	25-May	Flow Cytometry						
68	Positive	Negative	31-May	31-May	Flow Cytometry	Crisp HLA-B27					
72	Positive	Negative	27-May	01-Jun	SSP		TIB MOLBIOL	Fluorescence			
76	Positive	Negative	25-May	27-May	Flow Cytometry						
78	Positive	Negative	25-May	26-May	SSP		Commercial	Gel			
83	Positive	Negative	25-May	25-May	Flow Cytometry	HLA B27 CRISP positive control cells					
84	Positive	Negative	25-May	25-May	Flow Cytometry, SSP	Enzo Life Sciences	Olerup	Gel			
85	Positive	Negative	27-May	01-Jun	RT-PCR	In-house	Own design	Fluorescence (Tagman probes)			
86	Positive	Negative	26-May	27-May	SSP		In-house	Invitrogen			
90	Positive	Negative	26-May	01-Jun	Flow Cytometry						
93	Negative	Negative	25-May	25-May	Flow Cytometry	Beckman+One Lambda	Olerup	Gel			
96	Positive	Negative	27-May	02-Jun	SSP		Olerup	Gel			
101	Positive	Negative	25-May	31-May	SSP		Olerup	Gel			
103	Positive	Negative	25-May	26-May	Flow Cytometry	Phoenix					
104	Positive	Negative	25-May	26-May	Flow Cytometry	In-house, Commercial					
106	Positive	Negative	30-May	07-Jun	SSP		Euroimmun	Fluorescence			
107	Positive	Negative	30-May	02-Jun	SSP		Olerup	Gel			
109	Positive	Negative	25-May	31-May	SSO, Luminex		Commercial	Gel			
110	Negative	Negative	25-May	25-May	Flow Cytometry, SSP		Commercial	Gel			
111	Positive	Negative	27-May	27-May	Flow Cytometry	In-house					
112	Positive	Negative	26-May	31-May	SSP		Own design	Gel			
113	Positive	Negative	25-May	30-May	SSP		Olerup	Gel			
115	Positive	Negative	26-May	27-May	SSP		Olerup	Gel			
126	Positive	Negative	30-May	06-Jul	SSP	In-house	Own design	Fluorescence			
127	Positive	Negative	27-May	27-May	EuroArray						
128	Positive	Negative	25-May	02-Jun	Flow Cytometry, Luminex						
129	Positive	Negative	06-Jan	06-Mar	SSO		Olerup	Gel			
130	Positive	Negative	27-May	27-May	Cytotoxicity, SSP						
131	Positive	Negative	25-May	26-May	Flow Cytometry	Phoenix	Olerup	Gel			
133	Positive	Negative	26-May	27-May	Flow Cytometry, SSP	BD					
137	Positive	Negative	25-May	25-May	Flow Cytometry						
142	Positive	Negative	27-May	08-Jun	RT-PCR						
153	Positive	Negative	27-May	30-May	Flow Cytometry	In-house, Commercial					
154	Positive	Negative	25-May	31-May	SSP		Olerup	Gel			
156	Positive	Negative	25-May	30-May	RT-PCR		Olerup	Gel			
158	Positive	Negative	27-May	30-May	SSP		Olerup	Gel			
174	Positive	Negative	07-Jun	11-Jun	SSP/SSO, Microarray	Invitrogen					
176	Positive	Negative	30-May	30-May	Cytotoxicity	In-house					
185	Positive	Negative	25-May	26-May	SSP		Olerup	Gel			B*27:05-27:05.08, 27:05.10-27:05.15, 27:05.17-27:05.22, 27:05.24-27:05.30, 27:08*10/13/15/17/25/28/36-40/42/44-45/47-69/71-74/79-80/82-84/86-90/93/95-100/103-105/108
198	Positive	Negative	25-May	26-May	Flow Cytometry	In-house					
199	Positive	Negative	30-May	09-Jun	RT-PCR	UK NEQAS 1B	Linkafe Biosciences	Fluorescence			
209	Positive	Negative	25-May	29-May	SSP		Commercial	Gel			
219	Positive	Negative	09-Jun	15-Jun	SSP		Client	Fluorescence			
223	Positive	Negative	25-May	30-May	SSP		Invitrogen	Gel			
225	Positive	Negative	30-May	03-Jun	SSP		Olerup	Gel			
232	Positive	Negative	01-Jun	05-Jun	SSP		Olerup	Gel			
234	Positive	Negative	30-May	31-May	Molecular						
245	Positive	Negative	25-May	01-Jun	SSO						
253	Positive	Negative	31-May	06-Mar	RT-PCR						
255	Positive	Negative	26-May	30-May	RT-PCR						
256	Positive	Negative	25-May	26-May	Flow Cytometry						
257	Positive	Negative	25-May	26-May	SSP	Commercial	Olerup	Gel			
269	Positive	Negative	02-Jun	07-Jun	SSP		Euroimmun	Gel			
273	Positive	Negative	25-May	26-May	SSP		Olerup	Gel			
276	Positive	Negative	24-May	31-May	SSP						
278	Positive	Negative	30-May	10-Jun	Microarray						
279	Positive	Negative	26-May	30-May	Cytotoxicity						
285	Positive	Negative	24-May	25-May	Cytotoxicity						
288	Positive	Negative	25-May	26-May	Flow Cytometry						
292	Positive	Negative	30-May	31-May	Cytotoxicity						
295	Positive	Negative	25-May	26-May	Flow Cytometry	In-house					
300	Positive	Negative	28-May	06-Jun	SSP		Innotrain	Gel			
305	Positive	Negative	27-May	14-Jun	SSP	In-house	Commercial	Gel			
306	Positive	Negative	25-May	25-May	SSP	In-house	Sciences Biomark inc	Fluorescence			
307	Negative	Positive	26-May	06-Jun	SSP	In-house	Olerup	Gel			
310	Positive	Negative	25-May	25-May	Flow Cytometry						
317	Positive	Negative	31-May	31-May	SSP		Olerup	Gel			
319	Positive	Negative	24-May	26-May	RT-PCR						
323	Positive	Negative	31-May	31-May	Cytotoxicity						
324	Positive	Negative	27-May	27-May	Flow Cytometry						
325	Negative	Negative	26-May	31-May	SSP						
326	Positive	Negative	26-May	27-May	Flow Cytometry	In-house	BAG Healthcare	Gel			
327	Positive	Negative	30-May	31-May	SSP	Bionobis		Gel			
329	Positive	Negative	25-May	08-Jun	SSO		AnDiaTec	Fluorescence			
334	Positive	Negative	25-May	25-May	Flow Cytometry						
339	Positive	Negative	25-May	27-May	SSP	In-House	Own design	Fluorescence			
340	NT	NT	25-May	27-May	PCR-SSP	In-House	Own design	Fluorescence			method under evaluation
348	Positive	Negative	27-May	28-May	Flow Cytometry						
349	Positive	Negative	25-May	26-May	Flow Cytometry						

**UK NEQAS FOR H&I SCHEME 1B - HLA-B27 TESTING**

HLA-B27 TYPING RESULTS OF SAMPLES 1B05&06/2016

DESPATCHED ON 24TH MAY 2016

Lab No	Monoclonal 1 Designation	Monoclonal 1 Specificity	Monoclonal 1 Manufacturer	Monoclonal 2 Designation	Monoclonal 2 Specificity	Monoclonal 2 Manufacturer	Monoclonal 3 Designation	Monoclonal 3 Specificity	Monoclonal 3 Manufacturer
3	HLA-B27 FITC	Clone GS145.2	BD	CD3 PE	Clone SK7	BD			
7	FITC	Anti-HLA-B27	BD	PE/FITC	Anti CD3	BD			
17	B27 FITC	B27	One Lambda	CD3 PE	CD3	BD			
20	Anti B27-FITC/CD3-PE	B27+B7	BD	Anti B27-FITC	B27	One Lambda			
21	HLA-B27	HLA-B27 FITC	One Lambda	HLA-B27/HLA-B7	HLA-B27-FITC/HLA-B7-PE	Beckman Coulter			
27	Duraclone B27	CD3, HLA-B27, HLA-B7	Beckman Coulter						
31	MSIgG1 RDI/MsIgG2a FITC	Isotype control	Beckman Coulter	HLA-B27 FITC/B7 PE	B7/B27	Beckman Coulter			
32	PF/FITC	B7/B27	Beckman Coulter	PE/FITC	IgG/IgG2	Beckman Coulter			
40	HLA-B27 PE		Beckman Coulter	CD3-PE-DY649		Beckman Coulter			
46	Anti HLA-B27	FITC	BD	Anti CD3	PE	BD			
47	ABC m3 IgG2a	HLA-B27	Beckman Coulter	FD705 IgG2b	HLA-B27	Beckman Coulter	BB7.1 IgG1	HLA-B7	Beckman Coulter
57	IgG2a	HLA-B27	Beckman Coulter	IgG2b	HLA-B27	Beckman Coulter	IgG1K	CD3	Beckman Coulter
67	PE- anti-Human-HLA-B27	clone FD705 and ABCm3	Beckman Coulter	PE- Dyomics649- anti-Human CD3	clone UCHT1	Beckman Coulter	unlabeled anti-Human B7	Clone BB7.1	Beckman Coulter
68	HLA-B27/B7	HLA-B27-FITC/B7-PE	Beckman Coulter	HLA-B27	HLA-B27-FITC	One Lambda			
76	FD705	HLA-B27	Beckman Coulter	ABCm3	HLA-B27	Beckman Coulter	BB7.1	HLA-B7	Beckman Coulter
83	HLA-B27	FITC	Beckman Coulter	HLA-B7	PE	Beckman Coulter	CD3	PC5	Beckman Coulter
84	B7/B27	B7/B27	Beckman Coulter						
90	HLA-B27	R-PE	Beckman Coulter	CD3	PE-Dyomics649	Beckman Coulter	B7	Clone BB7.1	Beckman Coulter
93	B27	B27	One Lambda	B27	B27	Beckman Coulter			
103	HLA-B27-FITC/HLA-B7-PE	HLA-B27	Beckman Coulter						
104	Anti-HLA-B27	FITC/CD3 PE	BD						
106	HLA-B27	HLA-B27	One Lambda	HLA-B27	HLA-B7/B27	Immunotech			
110	Anti-HLA-B27 FITC	FD705-9E1E10	One Lambda						
111	Anti-HLA-B27 FITC	Clone GS145.2	BD	CD3 PE	Clone SK7	BD			
128	Iotest HLA-B27 FITC	HLA-B27	Beckman Coulter	Iotest HLA-B7 PE	HLA-B7	Beckman Coulter	CD45 PerCp-Cy5.5	Lymphocytes gating	BD
131	HLA-B27-FITC/HLA-B7-PE	HLA-B27	Beckman Coulter						
133			BD			BD			
137	HLA-ABC m3/BB7.1	HLA-B27/B7	Immunotech	MPC-11	HLA-B27	One Lambda			
153	HLA-B27 FITC	IgG2b FD705	One Lambda	HLA-B27-FITC/B7-PE	IgG2a-IgG1	Immunotech			
198	HLA-B27 testing on T-cells	anti-HLA-B27 FITC + anti-CD3-PE	BD	HLA-B27 control +B7 crossreaction	anti-HLA-B27 FITC + anti-CD3-PE	Beckman Coulter	Isotype control	IgG2a-FITC and IgG1-PE	Beckman Coulter
256	Anti-HLA-B27	HLA-B27	BD	Anti-CD3	CD3	BD			
288	Anti-HLA-B27 FITC	HLA-B27	BD and Beckman Coulter	Anti-CD3 PE	CD3	BD	Anti-HLA-B7 PE	HLA-B7	Beckman Coulter
295	Anti-HLA-B27 FITC	Clone GS145.2	BD	Anti-CD3 PE	Clone SK7	BD			
310	Iotest HLA-B27 FITC/B7 PE	HLA-B27	Beckman Coulter	Iotest HLA-B27 FITC/B7 PE	HLA-B7	Beckman Coulter			
324	HLA-B27 FITC	HLA-B27	Beckman Coulter	HLA-B7 PE	HLA-B7	Beckman Coulter			
326	Iotest HLA-B27 FITC, HLA-B7 PE	HLA-B27	Beckman Coulter	MO AB B27 FITC	HLA-B27	One Lambda			
334	HLA-B27 FITC		Beckman Coulter	HLA-B7 PE		Beckman Coulter			
348	CD3 PE/HLA-B27 FITC	HLA-B27	BD						
349	Anti-CD3 PE		BD	Anti HLA-B27 FITC		BD			