

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

HLA-B27 TYPING RESULTS OF SAMPLES 1B01&02/2016

DESPATCHED ON 5TH JANUARY 2016

Summary of Results

Total tested	115	114			
Positive	0	0	Donor HLA type	1B01/2016	HLA-A2, A24, B57, B60, Cw6, Cw10, DR7, DR8, DQ4, DQ9
Negative	115	114	Donor HLA type	1B02/2016	HLA-A1, A31, B8, B60, Cw7, Cw10, DR4, -, DQ7, DQ8
NT/Equivocal	4	5			
% Positive	0.0%	0.0%			
% Negative	100.0%	100.0%			
Consensus	Negative	Negative			

Lab No	Result 1B01/2016	Result 1B02/2016	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		Comments
									1B01/2016	1B02/2016	
1	Negative	Negative	07-Jan	11-Jan	PCR-SSP		Primers - Alta Bioscience	Gel			
3	Negative	Negative	07-Jan	08-Jan	Flow Cytometry		Own design	Fluorescence, SYBR GREEN and Melting Curve			
4	Negative	Negative	06-Jan	08-Jan	PCR-SSP		Own design	Fluorescence, SYBR GREEN and Melting Curve			
7	Negative	Negative	05-Jan	06-Jan	Flow Cytometry	Enzo Life Sciences					
8	NT	NT									No results returned
9	Negative	Negative	06-Jan	07-Jan	PCR-SSP	In-house	Own design	Gel			
10	Negative	Negative	06-Jan	06-Jan							
11	Negative	Negative	04-Jan	12-Jan	Luminex		Own design	Gel			
12	Negative	Negative	07-Jan	12-Jan	PCR-SSP		Own design	Gel			
14	Negative	Negative	06-Jan	07-Jan	PCR-SSP		Own design	Gel			
15	Negative	Negative	07-Jan	08-Jan	Luminex	In-house, Commercial					
16	Negative	Negative	06-Jan	08-Jan	Flow Cytometry		Olerup	Gel	B*27:01 to B*27:138	B*27:01 to B*27:138	
17	Negative	Negative	13-Jan	21-Jan	Flow Cytometry, PCR-SSP	In-house	Invitrogen	Gel			
19	Negative	Negative	06-Jan	08-Jan	Flow Cytometry						
20	Negative	Negative	06-Jan	08-Jan	Flow Cytometry	In-house					
21	Negative	Negative	06-Jan	07-Jan	Flow Cytometry						
22	Negative	Negative	07-Jan	07-Jan							
23	Negative	Negative	07-Jan	13-Jan	PCR-SSP		Own design	Gel			
24	Negative	Negative	07-Jan	14-Jan	PCR-SSP		Olerup	Gel			
26	Negative	Negative	07-Jan	07-Jan							
27	Negative	Negative	06-Jan	07-Jan	Flow Cytometry	Enzo Life Sciences					
28	Negative	Negative	06-Jan	12-Jan	PCR-SSP	In-house					
29	Negative	Negative	06-Jan	06-Jan	PCR-SSP/SSO		Biofortuna	Gel			PCR-SSO, BAG Healthcare, reverse dot-blot assay
31	Negative	Negative	06-Jan	07-Jan	PCR-SSP/SSO	Commercial					
32	Negative	Negative	06-Jan	08-Jan	Flow Cytometry						
34	Negative	Negative	06-Jan	07-Jan	PCR-SSP		Olerup	Gel			
35	Negative	Negative	06-Jan	08-Jan	PCR-SSP		Own design	Gel			
37	Negative	Negative	06-Jan	14-Jan	PCR-SSP		Own design	Gel, Fluorescence			
39	Negative	Negative	11-Jan	14-Jan	PCR-SSP		Own design	Gel			
40	Negative	Negative	07-Jan	08-Jan	Flow Cytometry						
41	Negative	Negative	07-Jan	14-Jan	Luminex						
42	Negative	Negative	07-Jan	12-Jan	Flow Cytometry						
45	Negative	Negative	08-Jan	08-Jan	PCR-SSP	In-house	Own design	Gel			
46	Negative	Negative	11-Jan	13-Jan	Flow Cytometry	Axora					
47	Negative	Negative	07-Jan	07-Jan	Flow Cytometry	In-house					
48	Negative	Negative	07-Jan	12-Jan	PCR-SSP		Invitrogen	Gel			
54	Negative	Negative	07-Jan	08-Jan	PCR-SSP		Own design	Gel	All except B*27:05:23 and B*27:75	All except B*27:05:23 and B*27:75	Unknown whether B*27:91 and B*27:93 will be detected
55	Negative	Negative	16-Jan	25-Jan	PCR-SSP		Hain Lifesciences	Fluorescence			
57	Negative	Negative	06-Jan	06-Jan	Flow Cytometry	In-house					
58	Negative	Negative	06-Jan	11-Jan	PCR-SSP		Innotrain	Gel			
62	Negative	Negative	06-Jan	06-Jan	PCR-SSP, SBT	Secore	Olerup	Fluorescence			
66	Negative	Negative	06-Jan	12-Jan	RT-PCR - TADMAN		Own design	Fluorescence			
67	Negative	Negative	06-Jan	06-Jan	Flow Cytometry						
68	Negative	Negative	06-Jan	07-Jan	Flow Cytometry	Crisp HLA-B27					
71	Negative	Negative	06-Jan	22-Jan	Flow Cytometry						
72	Negative	Negative	11-Jan	20-Jan	PCR-SSP	TIB MOLBIOL		Fluorescence			
78	NT	NT						Commercial			Samples not received
83	Negative	Negative	08-Jan	07-Jan	Flow Cytometry	Enzo Life Sciences					
84	Negative	Negative	07-Jan	07-Jan	Flow Cytometry, PCR-SSP	Enzo Life Sciences	Olerup	Gel			
85	Negative	Negative									
86	Negative	Negative	07-Jan	08-Jan	PCR-SSP	In-house	Invitrogen	Gel			
90	Negative	Negative	06-Jan	08-Jan	Flow Cytometry						
93	Negative	Negative	06-Jan	07-Jan	Flow Cytometry	Beckman+One Lambda					
96	Negative	Negative	06-Jan	18-Jan	PCR-SSP	Olerup	Olerup	Gel	B*27:01 to B*27:135	B*27:01 to B*27:135	
101	Negative	Negative	06-Jan	12-Jan	PCR-SSP		Olerup	Gel			
103	Negative	Negative	06-Jan	08-Jan	Flow Cytometry	Phoenix					
104	Negative	Negative	08-Jan	08-Jan	Flow Cytometry						
106	Negative	Negative	08-Jan	12-Jan							
107	Negative	Negative	12-Jan	15-Jan	PCR-SSP			Fluorescence	Exon 2 and Exon 3	Exon 2 and Exon 3	
108	Negative	Negative	08-Jan	13-Jan							
109	Negative	Negative	06-Jan	11-Jan	PCR-SSO						
110	Negative	Negative	07-Jan	08-Jan	Flow Cytometry, PCR-SSP		Commercial	Gel			
111	Negative	Negative	06-Jan	07-Jan	Flow Cytometry	In-house					
112	Negative	Negative	08-Jan	14-Jan	PCR-SSP		Own design	Gel			
113	Negative	Negative	07-Jan	06-Jan	PCR-SSP		Olerup	Gel			
115	Negative	Negative	08-Jan	13-Jan	PCR-SSP		Olerup	Gel			
126	Negative	Negative	11-Jan	18-Jan							
127	Negative	Negative	07-Jan	08-Jan	EutoArray						
128	Negative	Negative	06-Jan	06-Jan	Flow Cytometry, Luminex						
129	Negative	Negative	14-Jan	18-Jan	PCR-SSO						
130	Negative	Negative	07-Jan	08-Jan	Cytotoxicity, PCR-SSP		Olerup	Gel			
131	Negative	Negative	06-Jan	06-Jan	Flow Cytometry	Phoenix					
137	Negative	Negative	06-Jan	06-Jan	Flow Cytometry						
142	Negative	Negative	05-Jan	14-Jan	RT-PCR						
153	Negative	Negative	14-Jan	14-Jan	Flow Cytometry	In-house, Commercial					
154	Negative	Negative	06-Jan	14-Jan	PCR-SSP		Olerup	Gel			
156	Negative	Negative	15-Jan	19-Jan	RT-PCR						
158	Negative	Negative	11-Jan	11-Jan	PCR-SSP		Olerup	Gel			
174	Negative	Negative	09-Jan	12-Jan	PCR-SSP/SSO, Microarray	Invitrogen	Gel				
176	Negative	Negative	04-Jan	11-Jan	Cytotoxicity	In-house					
185	Negative	Negative	06-Jan	07-Jan	PCR-SSP		Olerup	Gel			
188	Negative	Negative	07-Jan	08-Jan							
199	Negative	Negative	11-Jan	14-Jan	RT-PCR	UK NEQAS 1B		Fluorescence			
209	Negative	Negative	06-Jan	09-Jan	PCR-SSP		Commercial	Gel			
219	Negative	Negative	14-Jan	22-Jan							
223	Negative	Negative	07-Jan	12-Jan	PCR-SSP		Invitrogen	Gel			
225	Negative	Negative	12-Jan	20-Jan	PCR-SSP		Olerup	Gel			
232	NT	NT									Samples not released from customs
234	Negative	Negative	11-Jan	12-Jan							
245	Negative	Negative	06-Jan	08-Jan	PCR-SSO						
253	Negative	Negative	11-Jan	25-Jan	RT-PCR						
255	Negative	Negative	07-Jan	12-Jan	RT-PCR						
256	Negative	Negative	06-Jan	06-Jan	Flow Cytometry						
257	Negative	Negative	11-Jan	11-Jan	PCR-SSP	Commercial	Olerup	Gel			
269	Negative	Negative									
273	Negative	Negative	06-Jan	13-Jan	PCR-SSP		Euroimmun	Gel			
276	Negative	Negative	06-Jan	08-Jan	PCR-SSP		Olerup	Gel			
278	Negative	Negative	25-Jan	25-Jan							
279	Negative	Negative	07-Jan	09-Jan							
285	Negative	Negative	07-Jan	07-Jan	Cytotoxicity						
288	Negative	Negative	07-Jan	08-Jan	Flow Cytometry						
292	Negative	Negative	07-Jan	07-Jan	Cytotoxicity						
295	Negative	Negative	07-Jan	08-Jan	Flow Cytometry	In-house					
300	Negative	Negative	12-Jan	13-Jan	PCR-SSP		Innotrain	Gel			
305	Negative	Negative	17-Jan	22-Jan							
306	Negative	Negative	06-Jan	07-Jan	PCR-SSP	In-house	Sciences Biomark inc	Fluorescence			
307	Negative	Negative	11-Jan	25-Jan	PCR-SSP		Olerup	Gel			
310	Negative	Negative	05-Jan	07-Jan	Flow Cytometry	In-house					
317	Negative	Negative	11-Jan	12-Jan	PCR-SSP		Olerup	Gel			
319	Negative	Negative	06-Jan	13-Jan	RT-PCR						
323	Negative	Negative	07-Jan	07-Jan	Cytotoxicity						
324	Negative	Negative	07-Jan	07-Jan	Flow Cytometry						
325	Negative	Negative	07-Jan	18-Jan	PCR-SSP		BAG Healthcare	Gel			
326	Negative	Negative	08-Jan	08-Jan							
327	Negative	Negative	15-Jan	25-Jan							
329	Negative	Negative	18-Jan	22-Jan	PCR-SSO		AnDiaTec	Fluorescence			
334	Negative	Negative	28-Jan	28-Jan	Flow Cytometry						
339	Negative	Negative	06-Jan	12-Jan	PCR-SSP						
340	NT	NT					Own design	Fluorescence			Analysis not performed - Method still under validation

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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	Details of Pos/Neg control cells used
3	HLA-B27 FITC	Clone GS145.2	BD	CD3 PE	Clone SK7	BD				
7	FITC	Anti-HLA-B27	BD	PE/FITC	Anti CD3	BD				Crisp
17	B27 FITC	B27	One Lambda	CD3 PE	CD3	BD				B7 homozygous control
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				Phoenix flow crisp
27	Duraclone B27	CD3, HLA-B27, HLA-B7	Beckman Coulter							
31	M5IgG1 RDI/M5IgG2a 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				Crisp
47	ABC m3 IgG2a	HLA-B27	Beckman Coulter	FD705 IgG2b	HLA-B27	Beckman Coulter	BB7.1 IgG1	HLA-B7	Beckman Coulter	Known positive samples
57	IgG2a	HLA-B27	Beckman Coulter	IgG2b	HLA-B27	Beckman Coulter	IgG1K	CD3	Beckman Coulter	
67	ABC m3	HLA-B27	Beckman Coulter	FD705	HLA-B27	Beckman Coulter	BB7.1	HLA-B27	Beckman Coulter	
68	HLA-B27/B7	HLA-B27-FITC/B7-PE	Beckman Coulter	HLA-B27	HLA-B27-FITC	One Lambda				
71	Duraclone B27		Beckman Coulter							
83	HLA-B27	FITC	Beckman Coulter	HLA-B7	PE	Beckman Coulter	CD3	PC5	Beckman Coulter	Crisp
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							
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							
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				
256	Anti-HLA-B27	HLA-B27	BD	Anti-CD3	CD3	BD				
288	Anti-HLA-B27	FITC	BD	Anti-CD3	PE	BD				
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				1 Pos, 1 Neg
324	HLA-B27 FITC	HLA-B27	Beckman Coulter	HLA-B7 PE	HLA-B7	Beckman Coulter				
334	HLA-B27 FITC		Beckman Coulter	HLA-B7 PE		Beckman Coulter				