

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

HLA-B27 TYPING RESULTS OF SAMPLES 1B03&04/2016

DESPATCHED ON 08 March 2016

**Summary of Results**

Total tested	117	116
Positive	1	114
Negative	116	2
NT/Equival	3	4
% Positive	0.9%	98.3%
% Negative	99.1%	1.7%

Donor HLA type 1B03/2016 HLA-A2, A3; B7, B18; Cw7, Cw.; DR4, DR16, DQ5, DQ8  
Donor HLA type 1B04/2016 HLA-A2, A.; B27, B62; Cw2, Cw10; DR1, DR12, DQ5, DQ7

<b>Consensus</b>	Negative	Positive
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Lab No	Result 1B03/2016	Result 1B04/2016	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 1B03/2016 1B04/2016	Comments
1	Negative	Positive	10-Mar	17-Mar	SSP			Alta Bioscience		
3	Negative	Positive	09-Mar	11-Mar	Flow Cytometry					
4	Negative	Positive	09-Mar	23-Mar	SSP			Own design		
7	Negative	Positive	09-Mar	09-Mar	Flow Cytometry	Enzo Life Sciences				
8	Negative	Positive	09-Mar	09-Mar	Flow Cytometry	Control included in assay				
9	Negative	Positive	09-Mar	10-Mar	SSP	In-house		Own design		
10	Negative	Positive	09-Mar	10-Mar	SSP					
11	Negative	Positive	07-Mar	14-Mar	Luminex					
12	Negative	Positive	09-Mar	14-Mar	SSP			Own design		
14	Negative	Positive	09-Mar	14-Mar	SSP			Own design		
15	Negative	Positive	09-Mar	10-Mar	Luminex	In-house, Commercial				
16	Negative	Positive	11-Mar	15-Mar	SSP			Olerup		
17	Negative	Positive	10-Mar	22-Mar	Flow Cytometry, SSP	In-house		In-house		
19	Negative	Positive	09-Mar	14-Mar	SSP					
20	Negative	Positive	09-Mar	09-Mar	Flow Cytometry	In-house				B27:03/05/07/09/11/13/14/17/19/25/27/28/32/34-37/39/41/43
21	Negative	Positive	10-Mar	10-Mar	Flow Cytometry					
22	Negative	Positive	11-Mar	15-Mar	RT-PCR	In-house (previous NEQAS scheme samples)				
23	Negative	Positive	09-Mar	15-Mar	SSP			Own design		
24	Negative	Positive	09-Mar	17-Mar	SSP			Olerup		B27:01/02/05/08+
26	Negative	Positive	09-Mar	09-Mar	SSP			Own design		
27	Negative	Equival	09-Mar	10-Mar	Flow Cytometry	Neg = Immunotrol cells (Beckman Coulter) Pos = Phoenix Flow CRISP HLA B27 pos cells				
28	Negative	Positive	09-Mar	14-Mar	SSO	In-house				B27:03/05
29	Negative	Positive	10-Mar	14-Mar	SSP/SSO					
31	Negative	Positive	09-Mar	09-Mar	Serological	Commercial		Biofortuna		
32	NT	NT			Flow Cytometry					No results returned
34	Negative	Positive	09-Mar		SSP			Olerup		
35	Negative	Positive	10-Mar	11-16-Mar	SSP			Own design		
37	Negative	Positive	09-Mar	10-Mar	SSP			Own design		
39	Negative	Positive	11-Mar	14-Mar	SSP			Own design		
40	Negative	Positive	09-Mar	10-Mar	Flow Cytometry					
41	Negative	Positive	09-Mar	22-Mar	SSP			Own design		B27:01-04/05:02-05:31/06:21/23-90/92:136/137
42	Negative	Positive	09-Mar	14-Mar	Luminex					
45	Negative	Positive	10-Mar	11-Mar	SSP	In-house		Own design		B27:03 B27:05/47/116/117
46	Negative	Positive	10-Mar	14-Mar	Flow Cytometry					
47	Negative	Positive	09-Mar	09-Mar	Flow Cytometry	In-house				
48	Negative	Positive	11-Mar	21-Mar	SSP			Invitrogen		
54	Negative	Positive	09-Mar	17-Mar	SSP			Own design		
55	Negative	Positive	03-Mar	15-Mar	SSP			Hain Lifesciences		
57	Negative	Positive	09-Mar	09-Mar	Flow Cytometry	In-house				
58	Negative	Positive	09-Mar	11-Mar	SSP			Innotrain		
62	Negative	Positive	10-Mar	10-Mar	SSP, SBT	Secore				B27:05/08/13/37/38/67/70
66	Negative	Positive	10-Mar	23-Mar	RT-PCR - TAQMAN			Own design		
67	Negative	Positive	09-Mar	09-Mar	Flow Cytometry					
68	Negative	Positive	09-Mar	15-Mar	Flow Cytometry	Crisp HLA-B27				
71	Negative	Negative	09-Mar	10-Mar	Flow Cytometry					
72	Positive	Positive	16-Mar	29-Mar	SSP			TIB MOLBIOL		
78	Negative	Positive	09-Mar	11-Mar	SSP			Commercial		
83	Negative	Positive	09-Mar	09-Mar	Flow Cytometry	HLA B27 CRISP positive control cells				
84	Negative	Positive	09-Mar	09-Mar	Flow Cytometry, SSP	Enzo Life Sciences		Olerup		
85	Negative	Positive	09-Mar	10-Mar	RT-PCR			Own design		
86	Negative	Positive	09-Mar	11-Mar	SSP	In-house		Invitrogen		
90	Negative	Negative	16-Mar	16-Mar	Flow Cytometry					
93	Negative	Positive	09-Mar	09-Mar	Flow Cytometry	Beckman+One Lambda				
96	Negative	Positive	10-Mar	17-Mar	SSP			Olerup		
101	Negative	Positive	09-Mar	19-Mar	SSP			Olerup		
103	Negative	Positive	09-Mar	11-Mar	Flow Cytometry	Phoenix				
104	Negative	Positive	10-Mar	10-Mar	Flow Cytometry					
106	Negative	Positive			Flow Cytometry	In-house, Commercial				
107	Negative	Positive	14-Mar	21-Mar	SSP			Euroimmun		
108	Negative	Positive	10-Mar	11-Mar	SSP			Olerup		
109	Negative	Positive	09-Mar	14-Mar	SSO					
110	Negative	Positive	09-Mar	10-Mar	Flow Cytometry, SSP			Commercial		
111	Negative	Positive	09-Mar	10-Mar	Flow Cytometry	In-house				
112	Negative	Positive	11-Mar	14-Mar	SSP			Own design		
113	Negative	Positive	09-Mar	14-Mar	SSP			Olerup		
115	NT	NT						Olerup		No results returned
126	Negative	Positive	14-Mar	21-Mar	SSP	In-house		Own design		
127	Negative	Positive	09-Mar	14-Mar	Euroarray					
128	Negative	Positive	09-Mar	10-Mar	Flow Cytometry, Luminex					
129	Negative	Positive	21-Mar	31-Mar	SSO					
130	Negative	Positive	10-Mar	10-Mar	Cytotoxicity, SSP			Olerup		
131	Negative	Positive	09-Mar	11-Mar	Flow Cytometry	Phoenix				
133	Negative	Positive	10-Mar	11-Mar	Flow Cytometry, SSP	BD				B27:01-05/13/15/25/28
137	Negative	Positive	09-Mar	09-Mar	Flow Cytometry					1B03/2016 positive for B27 and B7 with ABCm3 and BB71 clone), but negative for B27 with clone MPC-11)
142	Negative	Positive	10-Mar	14-Mar	RT-PCR					
153	Negative	Positive	09-Mar	10-Mar	Flow Cytometry	In-house, Commercial				
154	Negative	Positive	09-Mar	11-Mar	SSP			Olerup		
156	Negative	Positive	11-Mar	16-Mar	RT-PCR					
158	Negative	Positive	11-Mar	22-Mar	SSP			Olerup		
174	Negative	Positive	12-Mar	15-Mar	SSP/SSO, Microarray	Invitrogen				
176	Negative	Positive	14-Mar	14-Mar	Cytotoxicity	In-house				
185	Negative	Positive			SSP			Olerup		B27:01-05:08/05:10-05:15/05:17-05:22/05:24-05:30/06:10:13:15:17:25:28:36-40:42:44-45:47-69/71-74/79-80:82-84:86-90:03/93-100/103-105/108-118/120-124/126/128/131-135
198	Negative	Positive	09-Mar	10-Mar	Flow Cytometry	In-house				1B03 - B7 crossreaction
199	Negative	Positive	15-Mar	22-Mar	RT-PCR	UK NEQAS 1B		Linkage Biosciences		
209	Negative	Positive	09-Mar	17-Mar	SSP			Commercial		
219	Negative	Positive	15-Mar	22-Mar	SSP			Clonit		
223	Negative	Positive	09-Mar	14-Mar	SSP			Invitrogen		
225	Negative	Positive	14-Mar	17-Mar	SSP			Olerup		
232	Negative	Positive	10-Mar	14-Mar	SSP			Olerup		
234	Negative	Positive	14-Mar	16-Mar	Molecular					
245	Negative	Positive	10-Mar	15-Mar	SSO					
253	Negative	Positive	14-Mar	18-Mar	RT-PCR					
255	Negative	Positive	10-Mar	21-Mar	RT-PCR					
256	Negative	Positive	09-Mar	10-Mar	Flow Cytometry					
257	Negative	Positive	16-Mar	16-Mar	SSP	Commercial		Olerup		
269	Negative	Positive	17-Mar	22-Mar	SSP			Euroimmun		
273	Negative	Positive	09-Mar	10-Mar	SSP			Olerup		
276	Negative	Positive	09-Mar	11-Mar	SSP			LinkSeq HLA B27		
278	Negative	Positive	14-Mar	29-Mar	Microarray					
279	Negative	Positive	09-Mar	10-Mar	Cytotoxicity					
285	Negative	Positive	08-Mar	10-Mar	Cytotoxicity					
288	Negative	Positive	10-Mar	11-Mar	Flow Cytometry					
292	Negative	Positive	11-Mar	11-Mar	Cytotoxicity					
295	Negative	Positive	09-Mar	09-Mar	Flow Cytometry	In-house				
300	Negative	Positive	11-Mar	16-Mar	SSP			Innotrain		
305	Negative	Positive	09-Mar	22-Mar	SSP			Commercial		
306	Negative	Positive	09-Mar	10-Mar	SSP	In-house		Sciences Biomark inc		
307	Negative	Positive	10-Mar	12-Mar	SSP			Olerup		
310	Negative	Positive	09-Mar	09-Mar	Flow Cytometry	In-house				
317	Negative	Positive	14-Mar	16-Mar	SSP			Olerup		
319	Negative	Positive	09-Mar	10-Mar	RT-PCR					
323	Negative	Positive	10-Mar	10-Mar	Cytotoxicity					
324	Negative	Positive	10-Mar	10-Mar	Flow Cytometry					
325	Negative	Positive	09-Mar	17-Mar	SSP			BAG Healthcare		
326	Negative	Positive	09-Mar	10-Mar	Flow Cytometry	In-house				
327	Negative	Positive	22-Mar	23-Mar	SSP					
329	Negative	Positive	09-Mar	16-Mar	SSO					
334	Negative	Positive	09-Mar	09-Mar	Flow Cytometry			AnDiaTec		
339	Negative	Positive	11-Mar	15-Mar	SSP			Own design		
340	NT	NT	09-Mar	09-Mar	Molecular					Method under validation

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HLA-B27 TYPING RESULTS OF SAMPLES 1B03&04/2016

DESPATCHED ON 08 March 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	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	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				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	HLA-B27	HLA-B7/B27	Immunotech				
106	HLA-B27	HLA-B27	One Lambda							
110	Anti-HLA-B27 FITC	FD705-9E1E10	One Lambda	CD3 PE	Clone SK7	BD				
111	Anti-HLA-B27 FITC	Clone GS145.2	BD	lotest HLA-B7 PE	HLA-B7	Beckman Coulter				
128	lotest HLA-B27 FITC	HLA-B27	Beckman Coulter				CD45 PerCp-Cy5.5	Lymphocytes gating	BD	
131	HLA-B27-FITC/HLA-B7-PE	HLA-B27	Beckman Coulter							
133			BD							
137	HLA-ABC m3/BB7.1	HLA-B27/B7	Immunotech	MPC-11	HLA-B27	BD				
153	HLA-B27 FITC	IgG2b FD705	One Lambda	HLA-B27-FITC/B7-PE	IgG2a-IgG1	One Lambda				
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	Immunotech	Isotype control	IgG2a-FITC and IgG1-Pf	Beckman Coulter	
256	Anti-HLA-B27	HLA-B27	BD	Anti-CD3	CD3	BD				
288	Anti-HLA-B27	FITC	BD and BC	Anti-CD3	PE	BD	Anti-HLA-B7	PE	BC	
295	Anti-HLA-B27 FITC	Clone GS145.2	BD	Anti-CD3 PE	Clone SK7	BD				1 Pos, 1 Neg
310	lotest HLA-B27 FITC/B7 PE	HLA-B27	Beckman Coulter	lotest 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	lotest 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				