

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

HLA-B27 TYPING RESULTS OF SAMPLES 1B07&08/2016

DESPATCHED ON 19TH JULY 2016

**Summary of Results**

Total tested	123	122	Donor HLA type	1B07/2016	HLA-A3, A29; B7, B45; Cw6, Cw7; DR4, DR13; DQ6, DQ7
Positive	0	0	Donor HLA type	1B08/2016	HLA-A1, A24; B8, B14; Cw2, Cw7; DR7, DR17; DQ2, DQ-
Negative	123	122			
NT/Equivocal	2	3			
% Positive	0.0%	0.0%			
% Negative	100.0%	100.0%			
<b>Consensus</b>	Negative	Negative			

Lab No	Result 1B07/2016	Result 1B08/2016	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 1B07/2016 1B08/2016	Comments
1	Negative	Negative	20-Jul	29-Jul	SSP		Alta Bioscience	Gel		
3	Negative	Negative	21-Jul	21-Jul	Flow Cytometry					
4	Negative	Negative	20-Jul	08-Apr	SSP	In-house	Own design	Fluorescence		
7	Negative	Negative	22-Jul	22-Jul	Flow Cytometry	Enzo Life Sciences				
8	Negative	Negative	20-Jul	20-Jul	Flow Cytometry	Control included in assay				
9	Negative	Negative	20-Jul	22-Jul	SSP	In-house	Own design	Gel		
10	Negative	Negative	20-Jul	20-Jul						
11	Negative	Negative	20-Jul	25-Jul	Luminex					
12	Negative	Negative	20-Jul	28-Jul	SSP		Own design	Gel		
14	Negative	Negative	20-Jul	22-Jul	SSP		Own design	Gel		
15	Negative	Negative	20-Jul	22-Jul	PCR-SSP					
16	Negative	Negative	22-Jul	26-Jul	SSP		Olerup	Gel		
17	Negative	Negative	25-Jul	07-Aug	Flow Cytometry, SSP	In-house	Olerup	Gel		
19	Negative	Negative	21-Jul	27-Jul	SSP, Luminex		Own design	Gel		
20	Negative	Negative	20-Jul	25-Jul	Flow Cytometry	In-house				
21	Negative	Negative	20-Jul	20-Jul	Flow Cytometry					
22	Negative	Negative	21-Jul	22-Jul	RT-PCR	In-house (previous NEQAS scheme samples)	In-house			
23	Negative	Negative	19-Jul	28-Jul	SSP		Own design	Gel		
24	Negative	Negative	20-Jul	26-Jul	SSP		Olerup	Gel		
26	Negative	Negative	20-Jul	20-Jul	SSP		Own design	Gel		
27	Negative	Negative	20-Jul	20-Jul	Flow Cytometry	Neg = Immunotrol cells (Beckman Coulter) Pos = Pheonix Flow CRISP HLA B27 pos cells				
28	Negative	Negative	16-Jul	26-Jul	SSO	In-house				
29	Negative	Negative	20-Jul	20-Jul	SSP/SSO		Biofortuna	Gel		
31	Negative	Negative	19-Jul	20-Jul	Flow Cytometry	Positive control cells not used	Phoenix Flow			
32	Negative	Negative	25-Jul	26-Jul	Flow Cytometry					
34	Negative	Negative	21-Jul		SSP		Olerup	Gel		
35	Negative	Negative	20-Jul	26-Jul	SSP		Own design	Gel		
37	Negative	Negative	20-Jul		SSP		Own design	Gel, Fluorescence		
39	Negative	Negative	20-Jul	22-Jul	SSP		Own design	Gel		
40	Negative	Negative	21-Jul	21-Jul	Flow Cytometry					
41	Negative	Negative	20-Jul	28-Jul	SSP		Own design	Gel		
42	Negative	Negative	21-Jul	05-Aug	Luminex					
45	Negative	Negative	21-Jul	25-Jul	SSP	In-house	Own design	Gel		
46	Negative	Negative	20-Jul	21-Jul	Flow Cytometry	Axxora				
47	Negative	Negative	20-Jul	20-Jul	Flow Cytometry	In-house				
48	Negative	Negative	21-Jul	25-Jul	SSP		Invitrogen	Gel		
54	Negative	Negative	20-Jul	21-Jul	SSP		Own design	Gel		
55	Negative	Negative	20-Jul	29-Jul	SSP		Hain Lifesciences	Fluorescence		
57	Negative	Negative	20-Jul	20-Jul	Flow Cytometry	In-house				
58	Negative	Negative	20-Jul	21-Jul	SSP		Innotrain	Gel		
62	Negative	Negative	21-Jul	21-Jul	SSP, SBT	Secore	Olerup			
66	Negative	Negative	20-Jul	27-Jul	RT-PCR - TAQMAN		Own design	Fluorescence		
67	Negative	Negative	20-Jul	20-Jul	Flow Cytometry					
68	Negative	Negative	20-Jul	22-Jul	Flow Cytometry	Crisp HLA-B27				
72	NT	NT	22-Jul	NT	SSP		TIB MOLBIOL	Fluorescence		Method under validation
76	Negative	Negative	21-Jul	25-Jul	Flow Cytometry					
78	Negative	Negative	21-Jul	29-Jul	SSP		Commercial	Gel		
83	Negative	Negative	20-Jul	21-Jul	Flow Cytometry	HLA B27 CRISP positive control cells				
84	Negative	Negative	20-Jul	22-Jul	Flow Cytometry, SSP	Enzo Life Sciences	Olerup	Gel		
85	Negative	Negative	20-Jul	27-Jul	RT-PCR	In-house	Own design	Fluorescence (Taqman probes)		
86	Negative	Negative	20-Jul	21-Jul	SSP	In-house	Invitrogen	Gel		
90	Negative	Negative	26-Jul	29-Jul	Flow Cytometry					
93	Negative	Negative	20-Jul	25-Jul	Flow Cytometry	Beckman+One Lambda				
96	Negative	Negative	20-Jul	27-Jul	SSP	Olerup	Olerup	Gel		
101	Negative	Negative	20-Jul	22-Jul	SSP		Olerup	Gel		
103	Negative	Negative	21-Jul	21-Jul	Flow Cytometry	Phoenix				
104	Negative	Negative	20-Jul	21-Jul	Flow Cytometry					
106	Negative	Negative	20-Jul	09-Aug	Flow Cytometry					
107	Negative	Negative	25-Jul	29-Jul	SSP		Eurolmmun	Fluorescence		
108	Negative	Negative	21-Jul	22-Jul	SSP			Gel		
109	Negative	Negative	21-Jul	27-Jul	SSP		LinkSeq HLA-B27			
110	Negative	Negative	21-Jul	22-Jul	Flow Cytometry, SSP		Commercial	Gel		
111	Negative	Negative	20-Jul	22-Jul	Flow Cytometry	In-house				
112	Negative	Negative	22-Jul	05-Aug	SSP		Own design	Gel		
113	Negative	Negative	20-Jul	22-Jul	SSP		Olerup	Gel		
115	Negative	Negative	20-Jul	27-Jul	SSP		Olerup	Gel		
126	Negative	Negative	25-Jul	01-Aug	SSP	In-house	Own design	Fluorescence		
127	Negative	Negative	22-Jul	28-Jul	Microarray					
128	Negative	Negative	20-Jul	02-Aug	Flow Cytometry, Luminex					
129	Negative	Negative	25-Jul	02-Aug	SSO					
130	Negative	Negative	21-Jul	22-Jul	Cytotoxicity, SSP		Olerup	Gel		
131	Negative	Negative	21-Jul	21-Jul	Flow Cytometry	Phoenix				
133	Negative	Negative	21-Jul	21-Jul	Flow Cytometry, SSP	BD	Olerup	Gel		
137	Negative	Equivocal	20-Jul	20-Jul	Flow Cytometry					
142	Negative	Negative	20-Jul	21-Jul	RT-PCR					
153	Negative	Negative	19-Jul	21-Jul	Flow Cytometry	In-house, Commercial				
154	Negative	Negative	20-Jul	20-Jul	SSP		Olerup	Gel		
156	Negative	Negative	20-Jul	01-Aug	RT-PCR					
158	Negative	Negative	25-Jul	02-Aug	SSP		Olerup	Gel		
174	Negative	Negative	23-Jul	27-Jul	SSP/SSO, Microarray	Invitrogen		Gel		
176	Negative	Negative	23-Jul	25-Jul	Cytotoxicity	In-house				
185	Negative	Negative	20-Jul	22-Jul	SSP		Olerup	Gel		
198	Negative	Negative	20-Jul	21-Jul	Flow Cytometry	In-house				
199	Negative	Negative	21-Jul	27-Jul	RT-PCR	UK NEQAS 1B	Linkafe Biosciences	Fluorescence		
209	Negative	Negative	20-Jul	04-Aug	SSP		Commercial	Gel		
219	Negative	Negative	25-Jul	29-Jul	SSP		Clonit	Fluorescence		
223	Negative	Negative	21-Jul	01-Aug	SSP		Invitrogen	Gel		
225	Negative	Negative	25-Jul	26-Jul	SSP		Commercial	Gel		
232	Negative	Negative	26-Jul	02-Aug	SSP		Olerup	Gel		
234	Negative	Negative	26-Jul	26-Jul	Molecular					
236	Negative	Negative	26-Jul	27-Jul						
245	Negative	Negative	21-Jul	26-Jul	SSO					
253	Negative	Negative	25-Jul	28-Jul	RT-PCR					
255	Negative	Negative	21-Jul	03-Aug	RT-PCR					
256	Negative	Negative	20-Jul	21-Jul	Flow Cytometry					
257	Negative	Negative	20-Jul	09-Aug	SSP	Commercial	Olerup	Gel		
269	Negative	Negative	29-Jul	01-Aug			Eurolmmun			
273	Negative	Negative	20-Jul	22-Jul	SSP		Olerup	Gel		
276	Negative	Negative	19-Jul	26-Jul	SSP/RT-PCR		Linkage biosciences	Melting Point		
278	Negative	Negative	25-Jul	03-Aug	Microarray					
279	Negative	Negative	20-Jul	23-Jul	Cytotoxicity					
285	Negative	Negative	20-Jul	21-Jul	Cytotoxicity					
288	Negative	Negative	20-Jul	21-Jul	Flow Cytometry					
292	Negative	Negative	22-Jul	22-Jul	Cytotoxicity					
295	Negative	Negative	20-Jul	20-Jul	Flow Cytometry	In-house				
300	Negative	Negative	22-Jul	25-Jul	SSP		Innotrain	Gel		
305	Negative	Negative	22-Jul	08-Aug	SSP		Commercial	Gel		
306	Negative	Negative	20-Jul	27-Jul	SSP	In-house	Sciences Biomark inc	Fluorescence		
307	Negative	Negative	22-Jul	28-Jul	SSP		Olerup	Gel		
310	Negative	Negative	21-Jul	21-Jul	Flow Cytometry	In-house				
317	Negative	Negative	26-Jul	09-Aug	SSP		Olerup	Gel		
319	Negative	Negative	20-Jul	21-Jul	RT-PCR					
323	Negative	Negative	22-Jul	22-Jul	Cytotoxicity					
324	Negative	Negative	20-Jul	21-Jul	Flow Cytometry					
325	Negative	Negative	20-Jul	22-Jul	SSP		BAG Healthcare	Gel		
326	Negative	Negative	22-Jul	25-Jul	Flow Cytometry	In-house				
327	Negative	Negative	25-Jul	28-Jul	SSP	Bionobis		Gel		
329	Negative	Negative	21-Jul	01-Aug	SSO		AnDiaTec	Fluorescence		
334	Negative	Negative	21-Jul	22-Jul	Flow Cytometry					
339	Negative	Negative	20-Jul	21-Jul	SSP		Own design	Fluorescence		
340	Negative	Negative	20-Jul	25-Jul	PCR-SSP	In-House	Own design	Fluorescence		Method under validation
348	Negative	Negative	23-Jul	23-Jul	Flow Cytometry					
349	Negative	Negative	19-Jul	20-Jul	Flow Cytometry					
353	NT	NT								
356	Negative	Negative	27-Jul	27-Jul	Flow Cytometry					

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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
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	lotest HLA-B27 FITC	HLA-B27	Beckman Coulter	lotest 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	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			
348	CD3 PE/HLA-B27 FITC	HLA-B27	BD						
349	Anti-CD3 PE		BD	Anti HLA-B27 FITC		BD			
356	Duraclone B27	CD3, Clone UCHT1	Beckman Coulter	Duraclone B27	HLA-B27, Clone ABCm3	Beckman Coulter	Duraclone B27	HLA-B27, Clone FD705	Beckman Coulter