UK NEQAS for H&I - SCHEME 3 - HLA ANTIBODY SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 306/2015

DESPATCHED ON 23rd JUNE 2015

HLA specificity for assessment	A1			A3			A23			A24			A2403			A34			A11			A29			A30			A31			A32		
Consensus	Absent			Absent			Not Assessed			Not Assessed			Not Assessed			Absent			Absent			Absent			Absent			Absent			Present		
% reported	1.3%			1.3%			12.7%			8.9%			8.9%			1.3%			1.3%			2.5%			1.3%			2.5%			97.5%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9							A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000																A32	L	> 5000
11																															A32	L	2000-5000
12							A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000																A32	L	> 5000
14																															A32	L	> 5000
15																															A32	L	2000-5000
19																															A32	L	2000-5000
20							A23	L	< 2000				A2403	L	< 2000																A32	L	> 5000
23																															A32	L	> 5000
24																															A32	L	2000-5000
25							A23	L	< 2000																						A32	L	> 5000
26																															A32	L	2000-5000
28							A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000																A32	L	> 5000
34																															A32	L	2000-5000
35																															A32	L	
38																															A32	L	> 5000
39																															A32	L	2000-5000
41																															A32	L	> 5000
42																															A32	L	2000-5000
45																															A32	L	2000-5000
48																															A32	L	> 5000
51																															A32	L	2000-5000
54																															A32	L	> 5000
58																															A32	L	2000-5000
62																															A32	L	> 5000
100																															A32	L	< 2000
101																															A32	L	2000-5000
112																															A32	L	< 2000
114																															A32	L	2000-5000
116																															A32	L	2000-5000
117							A23	E+L	< 2000																						A32	L	> 5000
119																															A32	L	> 5000
120																															A32	L	> 5000
136																															A32	L	> 5000
139																															A32	L	> 5000
142																															A32	L	> 5000
143																															A32	L	2000-5000
145																															A32	L	> 5000
147																															A32	L	2000-5000
149																															A32	L	2000-5000
157																															A32	L	2000-5000
159																															A32	L	> 5000
162																															A32	L	2000-5000
163																															A32	L	2000-5000
164																															A32	L	> 5000
165																															A32	F+L	
169																																	
181																															A32	L	2000-5000
185																															A32	L	< 2000
186																															A32	L	< 2000
190																															A32	L	> 5000
193																															A32	L	> 5000
194																															A32	L	> 5000
195																															A32	L	> 5000
197	A1	L														A34	L														A32	L	
204																															A32	L	> 5000
206																															A32	L	2000-5000
209							A23	L	< 2000																						A32	L	> 5000
210	No results received																																
218										A24	L	< 2000	A2403	L	< 2000																A32	L	< 2000
227							A23	L	2000-5000	A24	L	< 2000																			A32	L	> 5000
232																															A32	L	> 5000
235																															A32	L	
238																															A32	L	< 2000
243																															A32	L	> 5000
245							A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000																A32	L	> 5000
262																															A32	L	< 2000
267							A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000							A29	L	< 2000				A31	L	< 2000			
268																															A32	L	2000-5000
273																															A32	L	> 5000
277																															A32	L	2000-5000
284																															A32	L	2000-5000
292																															A32	L	> 5000
293	NT - Luminex machine out of order																																
294																															A32	L	< 2000
297																															A32	L	> 5000
301				A3	L	2000-5000													A11	L	< 2000	A29	L	2000-5000	A30	L	2000-5000	A31	L	2000-5000	A32	L	< 2000
303																															A32	L	> 5000
309																															A32	L	< 2000
311																															A32	L	> 5000
315																															A32	L	2000-5000
323																															A32	L	2000-5000

Technique : C = CDC; E = ELISA; F = Flow cytometry; L = Luminex; O = Other

No. Reporting Spec	1	< 2000		1	< 2000		10	< 2000		7	< 2000		7	< 2000		1	< 2000		1	< 2000		2	< 2000		1	< 2000		2	< 2000		77	< 2000	
Total participants	79	0		79	0		79	9		79	7		79	7		79	0		79	1		79	1		79	0		79	1		79	10	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		0			1			1			0			0			0			0			1			1			1			27	
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0			0			0			0			0			0			0			0			0			0			36	

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UK NEQAS for H&I - SCHEME 3 - HLA ANTIBODY SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 306/2015

DESPATCHED ON 23rd JUNE 2015

HLA specificity for assessment

Consensus	A33			A74			A68			A36			A80			B51			B5102			B52			B44			B45			B13		
% reported	Absent 3.8%			Absent 1.3%			Not Assessed 6.3%			Absent 1.3%			Absent 1.3%			Present 98.7%			Not Assessed 41.8%			Present 98.7%			Present 97.5%			Present 96.2%			Present 96.2%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	> 5000	B13	L	> 5000
11																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000
12																B51	L	> 5000				B52	L	> 5000	B44	L	> 5000	B45	L	> 5000	B13	L	> 5000
14																B51	L	> 5000				B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000
15																B51	L	> 5000				B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000
19																B51	L	> 5000	B5102	L	> 5000				B44	L	2000-5000	B45	L	2000-5000	B13	L	< 2000
20							A68	L	< 2000							B51	L	> 5000				B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000
23																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000
24																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000
25																B51	L	> 5000				B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	> 5000
26																B51	L	> 5000				B52	L	> 5000	B44	L	2000-5000	B45	L	< 2000	B13	L	2000-5000
28							A68	L								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	> 5000	B13	L	> 5000
34																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000
35																B51	L					B52	L		B44	L		B45	L		B13	L	
38																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000
39																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000
41																B51	L	> 5000				B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000
42																B51	L	> 5000				B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000
45																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000
48																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	> 5000	B13	L	> 5000
51																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	2000-5000
54																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000
58																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000
62																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000
100																B51	L	2000-5000				B52	L	2000-5000	B44	L	< 2000	B45	L	2000-5000	B13	L	< 2000
101																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000
112																B51	L	< 2000	B5102	L	> 5000	B52	L	2000-5000	B44	L	< 2000	B45	L	2000-5000	B13	L	2000-5000
114																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000
116																B51	L	> 5000				B52	L	> 5000	B44	L	2000-5000	B45	L	< 2000	B13	L	2000-5000
117																B51	E+L	> 5000				B52	E+L	> 5000	B44	L	> 5000	B45	E+L	2000-5000	B13	L	2000-5000
119																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	2000-5000/> 5000	B45	L	2000-5000	B13	L	2000-5000/> 5000
120																B51	L	> 5000				B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	2000-5000
136																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000
139																B51	L	> 5000				B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	> 5000
142																B51	L	> 5000				B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	2000-5000
143																B51	L	> 5000				B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000
145																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000
147																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000
149																B51	L	> 5000				B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000
157																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000
159																B51	L	> 5000				B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000
162																B51	L	> 5000				B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000
163																B51	L	> 5000				B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000
164																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	> 5000	B13	L	> 5000
165																B51	F+E+L					B52	F+E+L		B44	F+L		B45	F+E+L		B13	F+E+L	
169	A33	L	< 2000													B51	L	> 5000				B52	L	> 5000	B44	L	2000-5000	B45	L	< 2000			
181																B51	L	> 5000				B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000
185																B51	L	2000-5000				B52	L	2000-5000	B44	L	< 2000	B45	L	< 2000	B13	L	< 2000
186																B51	L	2000-5000				B52	L	2000-5000	B44	L	< 2000	B45	L	< 2000	B13	L	< 2000
190																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000
193																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	2000-5000
194																B51	L	> 5000				B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	> 5000
195																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000
197	A33	L					A68	L								B51	L					B52	L								B13	L	
204																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	> 5000
206																B51	L	> 5000				B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000
209							A68	L	< 2000							B51	L	> 5000				B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000
210																																	
218																B51	L	2000-5000				B52	L	2000-5000	B44	L	2000-5000	B45	L	< 2000	B13	L	< 2000
227							A68	L	< 2000							B51	L	> 5000				B52	L	> 5000	B44	L	> 5000	B45	L	> 5000	B13	L	> 5000
232																B51	L	> 5000				B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000
235																B51	L					B52	L		B44	L		B45	L		B13	L	
238																B51	L	2000-5000				B52	L	2000-5000	B44	L	< 2000	B45	L	< 2000	B13	L	< 2000
243																B51	L	> 5000				B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000
245																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000
262																B51	L	2000-5000				B52	L	2000-5000	B44	L	< 2000	B45	L	< 2000	B13	L	< 2000
267																B51	L	< 2000				B52	L	< 2000	B44	L	< 2000						
268																B51	L	> 5000				B52	L	> 5000	B44	L	2000-5000	B45	L	> 5000	B13	L	> 5000
273																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	> 5000
277																B51	L	> 5000				B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000
284																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	2000-5000	B45	L	< 2000	B13	L	2000-5000
292																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	> 5000
293																																	
294																B51	L	2000-5000				B52	L	2000-5000	B44	L	< 2000	B45	L	< 2000	B13	L	< 2000
297																B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000
301	A33	L	< 2000	A74	L	2000-5000				A36	L	2000-5000	A80	L	< 2000							B52	L	2000-5000									
303																B51	L	> 5000				B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000
309																B51	L	> 5000				B52	L	> 5000	B44	L	2000-5000	B45	L	< 2000	B13	L	< 2000
311																B51	L	> 5000				B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000
315																B51	L	> 5000				B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000
323																B51	L	> 5000				B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000

Technique : C = CDC; E = ELISA; F = Flow cytometry; L = Luminex; O = Other

No. Reporting Spec	3	< 2000		1	< 2000		5	< 2000		1	< 2000		1	< 2000		78	< 2000		33	< 2000		78	< 2000		77	< 2000		76	< 2000		76	< 2000	
Total participants	79	2		79	0		79	3		79	0		79	1		79	2		79	0		79	1		79	8		79	11		79	9	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		0			1			0			1			0			7			0			9			38			55			33	
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0			0			0			0			0			65			33			64			28			7			30	

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UK NEQAS for H&I - SCHEME 3 - HLA ANTIBODY SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 306/2015

DESPATCHED ON 23rd JUNE 2015

HLA specificity for assessment

Consensus	B64 Absent			B62 Present			B63 Present			B75 Present			B76 Not Assessed			B77 Present			B38 Present			B57 Present			B58 Present			B18 Absent		
% reported	2.5%			97.5%			98.7%			98.7%			43.0%			94.9%			96.2%			100.0%			98.7%			1.3%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9				B62	L	> 5000	B63	L	> 5000	B75	L	> 5000	B76	L	2000-5000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000			
11				B62	L	> 5000	B63	L	> 5000	B75	L	2000-5000				B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	> 5000			
12				B62	L	> 5000	B63	L	> 5000	B75	L	2000-5000/> 5000	B76	L	< 2000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000			
14				B62	L	> 5000	B63	L	> 5000	B75	L	> 5000				B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	> 5000			
15				B62	L	> 5000	B63	L	> 5000	B75	L	2000-5000	B76	L	< 2000	B77	L	> 5000	B38	L	2000-5000	B57	L	2000-5000	B58	L	> 5000			
19				B62	L	2000-5000	B63	L	2000-5000	B75	L	< 2000				B77	L	2000-5000	B38	L	< 2000	B57	L	2000-5000	B58	L	2000-5000			
20				B62	L	> 5000	B63	L	> 5000	B75	L	> 5000	B76	L	< 2000	B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	> 5000			
23				B62	L	> 5000	B63	L	> 5000	B75	L	> 5000	B76	L	< 2000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000			
24				B62	L	> 5000	B63	L	> 5000	B75	L	2000-5000				B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	> 5000			
25				B62	L	> 5000	B63	L	> 5000	B75	L	> 5000	B76	L	< 2000	B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	> 5000			
26				B62	L	2000-5000	B63	L	2000-5000	B75	L	2000-5000				B77	L	2000-5000	B38	L	< 2000	B57	L	2000-5000	B58	L	2000-5000			
28				B62	L	> 5000	B63	L	> 5000	B75	L	> 5000	B76	L	< 2000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000			
34				B62	L	> 5000	B63	L	> 5000	B75	L	2000-5000				B77	L	2000-5000	B38	L	2000-5000	B57	L	2000-5000	B58	L	2000-5000			
35				B62	L		B63	L		B75	L					B77	L		B38	L		B57	L		B58	L				
38				B62	L	> 5000	B63	L	> 5000	B75	L	> 5000	B76	L	< 2000	B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	> 5000			
39				B62	L	> 5000	B63	L	> 5000	B75	L	2000-5000				B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	> 5000			
41				B62	L	> 5000	B63	L	> 5000	B75	L	2000-5000				B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	> 5000			
42				B62	L	> 5000	B63	L	> 5000	B75	L	2000-5000	B76	L	< 2000	B77	L	> 5000	B38	L	2000-5000	B57	L	2000-5000	B58	L	> 5000			
45				B62	L	> 5000	B63	L	> 5000	B75	L	2000-5000				B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	> 5000			
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62				B62	L	> 5000	B63	L	> 5000	B75	L	> 5000				B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	> 5000			
100				B62	L	2000-5000	B63	L	2000-5000	B75	L	< 2000				B77	L	< 2000	B38	L	< 2000	B57	L	< 2000	B58	L	< 2000			
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112				B62	L	2000-5000	B63	L	2000-5000	B75	L	< 2000				B77	L	< 2000	B38	L	< 2000	B57	L	< 2000	B58	L	< 2000			
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117				B62	E+L	> 5000	B63	E+L	> 5000	B75	L	2000-5000	B76	L	< 2000	B77	E+L	> 5000	B38	E+L	2000-5000	B57	L	> 5000	B58	L	> 5000			
119				B62	L	> 5000	B63	L	> 5000	B75	L	2000-5000/> 5000				B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	> 5000			
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142				B62	L	> 5000	B63	L	> 5000	B75	L	2000-5000				B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	> 5000			
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165				B62	F+L		B63	F+L		B75	F+E+L		B76	F		B77	F+E+L		B38	F+L		B57	F+E+L		B58	F+L				
169	B64	L	2000-5000				B63	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000				B38	L	2000-5000	B57	L	2000-5000	B58	L	2000-5000	B18	L	2000-5000
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185				B62	L	2000-5000	B63	L	> 5000	B75	L	2000-5000	B76	L	< 2000	B77	L	2000-5000	B38	L	< 2000	B57	L	2000-5000	B58	L	< 2000			
186				B62	L	2000-5000	B63	L	2000-5000	B75	L	< 2000				B77	L	2000-5000	B38	L	< 2000	B57	L	< 2000	B58	L	< 2000			
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193				B62	L	> 5000	B63	L	> 5000	B75	L	2000-5000				B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	> 5000			
194				B62	L	> 5000	B63	L	> 5000	B75	L	2000-5000				B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	> 5000			
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197				B62	L		B63	L		B75	L											B57	L		B58	L				
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235				B62	L		B63	L		B75	L		B76	L		B77	L		B38	L		B57	L		B58	L				
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277				B62	L	> 5000	B63	L	> 5000	B75	L	2000-5000	B76	L	< 2000	B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	> 5000			
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292				B62	L	> 5000	B63	L	> 5000	B75	L	> 5000	B76	L	< 2000	B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	> 5000			
294				B62	L	2000-5000	B63	L	> 5000	B75	L	< 2000				B77	L	2000-5000	B38	L	< 2000	B57	L	2000-5000	B58	L	< 2000			
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301	B64	L	> 5000																			B57	L	2000-5000						
303				B62	L	> 5000	B63	L	> 5000	B75	L	2000-5000				B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	> 5000			
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311				B62	L	> 5000	B63	L	> 5000	B75	L	> 5000				B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	> 5000			
315				B62	L	> 5000	B63	L	> 5000	B75	L	2000-5000	B76	L	< 2000	B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	> 5000			
323				B62	L	> 5000	B63	L	> 5000	B75	L	2000-5000				B77	L	2000-5000	B38	L	2000-5000	B57	L	2000-5000	B58	L	2000-5000			

Technique : C = CDC; E = ELISA; F = Flow cytometry; L = Luminex; O = Other

No. Reporting Spec	2	< 2000		77	< 2000		78	< 2000		78	< 2000		34	< 2000		75	< 2000		76	< 2000		79	< 2000		78	< 2000		1	< 2000	
Total participants	79	0		79	1		79	1		79	8		79	28		79	3		79	10		79	5		79	8		79	0	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		1			11			8			43			4			14			51			19			11			1	
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		1			61			65			23			0			55			12			51			55			0	

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UK NEQAS for H&I - SCHEME 3 - HLA ANTIBODY SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 306/2015

DESPATCHED ON 23rd JUNE 2015

HLA specificity for assessment

Consensus	B49			B50			B54			B55			B56			B35			B37			B60			B61			B41		
	Present			Present			Not Assessed			Not Assessed			Present			Present			Not Assessed			Present			Present			Present		
% reported	100.0%			100.0%			12.7%			35.4%			97.5%			100.0%			63.3%			87.3%			89.9%			94.9%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9	B49	L	> 5000	B50	L	> 5000	B54	L	< 2000	B55	L	2000-5000	B56	L	> 5000	B35	L	> 5000	B37	L	2000-5000	B60	L	> 5000	B61	L	> 5000	B41	L	> 5000
11	B49	L	> 5000	B50	L	> 5000							B56	L	> 5000	B35	L	2000-5000				B60	L	< 2000	B61	L	< 2000	B41	L	2000-5000
12	B49	L	> 5000	B50	L	> 5000	B54	L	< 2000	B55	L	< 2000	B56	L	> 5000	B35	L	> 5000	B37	L	2000-5000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000
14	B49	L	> 5000	B50	L	> 5000							B56	L	> 5000	B35	L	> 5000	B37	L	2000-5000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000
15	B49	L	> 5000	B50	L	> 5000				B55	L	< 2000	B56	L	> 5000	B35	L	2000-5000	B37	L	2000-5000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000
19	B49	L	> 5000	B50	L	> 5000							B56	L	2000-5000	B35	L	2000-5000	B37	L	< 2000	B60	L	< 2000	B61	L	< 2000	B41	L	< 2000
20	B49	L	> 5000	B50	L	> 5000	B54	L	< 2000	B55	L	< 2000	B56	L	> 5000	B35	L	> 5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000
23	B49	L	> 5000	B50	L	> 5000							B56	L	> 5000	B35	L	> 5000	B37	L	< 2000	B60	L	< 2000	B61	L	2000-5000	B41	L	2000-5000
24	B49	L	> 5000	B50	L	> 5000							B56	L	> 5000	B35	L	2000-5000				B60	L	< 2000	B61	L	2000-5000	B41	L	2000-5000
25	B49	L	> 5000	B50	L	> 5000				B55	L	< 2000	B56	L	> 5000	B35	L	> 5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000
26	B49	L	> 5000	B50	L	> 5000							B56	L	2000-5000	B35	L	2000-5000	B37	L	< 2000	B60	L	< 2000	B61	L	< 2000	B41	L	< 2000
28	B49	L	> 5000	B50	L	> 5000	B54	L	< 2000	B55	L	< 2000	B56	L	> 5000	B35	L	> 5000	B37	L	2000-5000	B60	L	2000-5000	B61	L	2000-5000	B41	L	> 5000
34	B49	L	> 5000	B50	L	> 5000	B54	L	< 2000	B55	L	< 2000	B56	L	2000-5000	B35	L	2000-5000	B37	L	< 2000	B60	L	< 2000	B61	L	< 2000	B41	L	2000-5000
35	B49	L		B50	L								B56	L		B35	L		B37	L		B60	L		B61	L		B41	L	
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39	B49	L	> 5000	B50	L	> 5000							B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	< 2000	B61	L	< 2000	B41	L	2000-5000
41	B49	L	> 5000	B50	L	> 5000							B56	L	> 5000	B35	L	2000-5000				B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000
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62	B49	L	> 5000	B50	L	> 5000							B56	L	> 5000	B35	L	> 5000				B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000
100	B49	L	> 5000	B50	L	2000-5000							B56	L	2000-5000	B35	L	2000-5000				B60	L	< 2000	B61	L	< 2000	B41	L	< 2000
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112	B49	L	2000-5000	B50	L	2000-5000							B56	L	< 2000	B35	L	< 2000										B41	L	2000-5000
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120	B49	L	> 5000	B50	L	> 5000				B55	L	< 2000	B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000
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159	B49	L	> 5000	B50	L	> 5000							B56	L	> 5000	B35	L	2000-5000				B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000
162	B49	L	> 5000	B50	L	> 5000							B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	< 2000	B61	L	< 2000	B41	L	2000-5000
163	B49	L	> 5000	B50	L	> 5000							B56	L	2000-5000	B35	L	2000-5000				B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000
164	B49	L	> 5000	B50	L	> 5000							B56	L	> 5000	B35	L	> 5000				B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000
165	B49	F+E+L		B50	F+E+L		B54	F+E+L		B55	F+L		B56	F+E+L		B35	F+E+L		B37	F		B60	F		B61	F+L		B41	F+L	
169	B49	L	> 5000	B50	L	> 5000							B56	L	2000-5000	B35	L	2000-5000				B60	L	< 2000	B61	L	< 2000	B41	L	< 2000
181	B49	L	> 5000	B50	L	> 5000				B55	L	< 2000	B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000
185	B49	L	> 5000	B50	L	> 5000							B56	L	2000-5000	B35	L	2000-5000												
186	B49	L	> 5000	B50	L	2000-5000							B56	L	2000-5000	B35	L	< 2000/2000-5000				B60	L	< 2000	B61	L	< 2000	B41	L	< 2000
190	B49	L	> 5000	B50	L	> 5000							B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000
193	B49	L	> 5000	B50	L	> 5000							B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000
194	B49	L	> 5000	B50	L	> 5000				B55	L	2000-5000	B56	L	> 5000	B35	L	> 5000	B37	L	2000-5000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000
195	B49	L	> 5000	B50	L	> 5000				B55	L	< 2000	B56	L	> 5000	B35	L	> 5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000
197	B49	L		B50	L											B35	L													
204	B49	L	> 5000	B50	L	> 5000				B55	L	< 2000	B56	L	> 5000	B35	L	> 5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000
206	B49	C+L	> 5000	B50	L	> 5000							B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	< 2000	B41	L	2000-5000
209	B49	L	> 5000	B50	L	> 5000	B54	L	< 2000	B55	L	< 2000	B56	L	> 5000	B35	L	> 5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000
210																														
218	B49	L	> 5000	B50	L	> 5000							B56	L	2000-5000	B35	L	2000-5000	B37	L	< 2000	B60	L	< 2000	B61	L	< 2000	B41	L	< 2000
227	B49	L	> 5000	B50	L	> 5000	B54	L	< 2000	B55	L	2000-5000	B56	L	> 5000	B35	L	> 5000	B37	L	2000-5000	B60	L	2000-5000	B61	L	> 5000	B41	L	> 5000
232	B49	L	> 5000	B50	L	> 5000							B56	L	> 5000	B35	L	> 5000				B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000
235	B49	L		B50	L								B56	L		B35	L					B60	L		B61	L		B41	L	
238	B49	L	> 5000	B50	L	> 5000							B56	L	2000-5000	B35	L	2000-5000										B41	L	< 2000
243	B49	L	> 5000	B50	L	> 5000							B56	L	> 5000	B35	L	2000-5000				B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000
245	B49	L	> 5000	B50	L	> 5000	B54	L	< 2000	B55	L	< 2000	B56	L	> 5000	B35	L	> 5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000
262	B49	L	> 5000	B50	L	> 5000							B56	L	2000-5000	B35	L	2000-5000										B41	L	< 2000
267	B49	L	2000-5000	B50	L	2000-5000							B56	L	< 2000	B35	L	< 2000				B60	L	< 2000	B61	L	< 2000			
268	B49	L	> 5000	B50	L	> 5000							B56	L	> 5000	B35	L	> 5000							B61	L	> 5000	B41	L	> 5000
273	B49	L	> 5000	B50	L	> 5000							B56	L	> 5000	B35	L	2000-5000				B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000
277	B49	L	> 5000	B50	L	> 5000				B55	L	< 2000	B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	< 2000	B61	L	2000-5000	B41	L	2000-5000
284	B49	C+L	> 5000	B50	L	> 5000							B56	L	> 5000	B35	L	2000-5000										B41	L	< 2000
292	B49	L	> 5000	B50	L	> 5000				B55	L	< 2000	B56	L	> 5000	B35	L	> 5000	B37	L	< 2000	B60	L	< 2000	B61	L	2000-5000	B41	L	2000-5000
293																														
294	B49	C+L	> 5000	B50	L	> 5000							B56	L	2000-5000	B35	L	2000-5000										B41	L	< 2000
297	B49	L	> 5000	B50	L	> 5000							B56	L	> 5000	B35	L	> 5000				B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000
301	B49	L	> 5000	B50	L	> 5000	B54	L	< 2000							B35	L	2000-5000				B60	L	< 2000	B61	L	< 2000			
303	B49	L	> 5000	B50	L	> 5000							B56	L	> 5000	B35	L	> 5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000
309	B49	L	> 5000	B50	L	> 5000				B55	L	< 2000	B56	L	2000-5000	B35	L	2000-5000	B37	L	< 2000	B60	L	< 2000	B61	L	< 2000	B41	L	< 2000
311	B49	L	> 5000	B50	L	> 5000							B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000
315	B49	L	> 5000	B50	L	> 5000				B55	L	< 2000	B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000
323	B49	L	> 5000	B50	L	> 5000							B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	< 2000	B41	L	2000-5000

Technique : C = CDC; E = ELISA; F = Flow cytometry; L = Luminex; O = Other

No. Reporting Spec	79	< 2000	79	< 2000	10	< 2000	28	< 2000	77	< 2000	79	< 2000	50	< 2000	69	< 2000	71	< 2000	75	< 2000
Total participants	79	0	79	0	79	9	79	24	79	2	79	2	79	39	79	22	79	17	79	12
		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
		2		4		0		3		13		43		9		44		46		55
		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000
		73		70		0		0		59		29		0		0		4		5

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UK NEQAS for H&I - SCHEME 3 - HLA ANTIBODY SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 306/2015

DESPATCHED ON 23rd JUNE 2015

HLA specificity for assessment

Consensus	B46 Not Assessed			B47 Present			B53 Present			B59 Present			B67 Absent			B71 Present			B72 Present			B78 Present			Cw9 Not Assessed			Cw10 Not Assessed		
% reported	24.1%			83.5%			98.7%			97.5%			1.3%			97.5%			98.7%			97.5%			16.5%			30.4%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9	B46	L	2000-5000	B47	L	> 5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	> 5000	Cw9	L	2000-5000	Cw10	L	2000-5000
11				B47	L	< 2000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	< 2000						
12	B46	L	< 2000	B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000	Cw9	L	< 2000	Cw10	L	< 2000
14				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000						
15				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000						
19				B47	L	< 2000	B53	L	2000-5000	B59	L	> 5000				B71	L	2000-5000	B72	L	2000-5000	B78	L	< 2000						
20	B46	L	< 2000	B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000	Cw9	L	< 2000	Cw10	L	< 2000
23				B47	L	< 2000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000				Cw10	L	< 2000
24				B47	L	< 2000	B53	L	> 5000	B59	L	> 5000				B71	L	2000-5000	B72	L	2000-5000	B78	L	< 2000						
25				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000				Cw10	L	< 2000
26				B47	L	< 2000	B53	L	2000-5000	B59	L	2000-5000				B71	L	2000-5000	B72	L	2000-5000	B78	L	< 2000						
28	B46	L	< 2000	B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000	Cw9	L	< 2000	Cw10	L	< 2000
34				B47	L	< 2000	B53	L	> 5000	B59	L	> 5000				B71	L	2000-5000	B72	L	2000-5000	B78	L	< 2000						
35				B47	L		B53	L		B59	L					B71	L		B72	L		B78	L							
38				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000	Cw9	L	< 2000	Cw10	L	< 2000
39				B47	L	< 2000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000						
41				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000						
42	B46	L	< 2000	B47	L	< 2000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	< 2000				Cw10	L	< 2000
45				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000						
48	B46	L	< 2000	B47	L	> 5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	> 5000	Cw9	L	< 2000	Cw10	L	< 2000
51				B47	L	< 2000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000						
54	B46	L	< 2000	B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000	Cw9	L	< 2000	Cw10	L	< 2000
58				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	< 2000						
62				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000						
100				B47	L	< 2000	B53	L	2000-5000	B59	L	< 2000				B71	L	< 2000	B72	L	< 2000	B78	L	< 2000						
101				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000						
112							B53	L	< 2000	B59	L	< 2000				B71	L	< 2000	B72	L	2000-5000	B78	L	< 2000						
114				B47	L	< 2000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000						
116							B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	< 2000						
117	B46	L	< 2000	B47	L	2000-5000	B53	E+L	> 5000	B59	L	> 5000				B71	E+L	> 5000	B72	E+L	> 5000	B78	E+L	2000-5000	Cw9	E+L	< 2000	Cw10	E+L	< 2000
119				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000						
120				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000				Cw10	L	< 2000
136				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000				Cw10	L	< 2000
139				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000	Cw9	L	< 2000	Cw10	L	< 2000
142				B47	L	< 2000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000						
143							B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	< 2000						
145				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000						
147				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	< 2000						
149	B46	L	< 2000	B47	L	< 2000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	> 5000						
157				B47	L	< 2000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	< 2000						
159				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000						
162				B47	L	< 2000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000						
163				B47	L	< 2000	B53	L	2000-5000	B59	L	> 5000				B71	L	2000-5000	B72	L	2000-5000	B78	L	< 2000						
164				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000						
165	B46	F		B47	F		B53	F+E+L		B59	F+E+L					B71	F+L		B72	F+L		B78	F+L		Cw9	F		Cw10	F	
169				B47	L	< 2000	B53	L	2000-5000	B59	L	> 5000				B71	L	2000-5000	B72	L	2000-5000	B78	L	< 2000						
181	B46	L	< 2000	B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	< 2000				Cw10	L	< 2000
185	B46	L	< 2000				B53	L	2000-5000	B59	L	2000-5000				B71	L	2000-5000	B72	L	2000-5000	B78	L	< 2000						
186				B47	L	< 2000	B53	L	2000-5000	B59	L	2000-5000				B71	L	2000-5000	B72	L	2000-5000	B78	L	< 2000						
190				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000						
193				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000						
194				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000						
195				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000				Cw10	L	< 2000
197							B53	L		B59	L					B71	L		B72	L										
204				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000				Cw10	L	< 2000
206				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	< 2000						
209	B46	L	< 2000	B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000	Cw9	L	< 2000	Cw10	L	< 2000
210																														
218	B46	L	< 2000	B47	L	< 2000	B53	L	2000-5000	B59	L	2000-5000				B71	L	2000-5000	B72	L	2000-5000	B78	L	< 2000						
227	B46	L	< 2000	B47	L	> 5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	> 5000	Cw9	L	< 2000	Cw10	L	2000-5000
232				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000						
235							B53	L		B59	L					B71	L		B72	L		B78	L							
238							B53	L	2000-5000	B59	L	2000-5000				B71	L	2000-5000	B72	L	2000-5000	B78	L	< 2000						
243				B47	L	< 2000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000						
245	B46	L	< 2000	B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000				Cw10	L	< 2000
262							B53	L	2000-5000	B59	L	2000-5000				B71	L	2000-5000	B72	L	2000-5000	B78	L	< 2000						
267							B53	L	< 2000										B72	L	< 2000	B78	L	< 2000						
268							B53	L	> 5000	B59	L	< 2000				B71	L	< 2000	B72	L	> 5000	B78	L	< 2000						
273				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000						
277				B47	L	< 2000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000				Cw10	L	< 2000
284							B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	< 2000						
292	B46	L	< 2000	B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000	Cw9	L	< 2000	Cw10	L	< 2000
293																														
294							B53	L	2000-5000	B59	L	2000-5000				B71	L	2000-5000	B72	L	2000-5000	B78	L	< 2000						
297				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000						
301	B46	L	2000-5000										B67	L	< 2000															
303				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000						
309				B47	L	< 2000	B53	L	2000-5000	B59	L	2000-5000				B71	L	2000-5000	B72	L	2000-5000	B78	L	< 2000						
311				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000						
315	B46	L	< 2000	B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	> 5000	B72	L	> 5000	B78	L	2000-5000				Cw10	L	< 2000
323				B47	L	2000-5000	B53	L	> 5000	B59	L	> 5000				B71	L	2000-5000	B72	L	2000-5000	B78	L	< 2000						

Technique : C = CDC; E = ELISA; F = Flow cytometry; L = Luminex; O = Other

No. Reporting Spec	19	< 2000	66	< 2000	78	< 2000	77	< 2000	1	< 2000	77	< 2000	78	< 2000	77	< 2000	13	< 2000	24	< 2000
Total participants	79	16	79	22	79	2	79	3	79	1	79	3	79	2	79	28	79	11	79	21
		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
		2		39		12		8		0		14		15		42		1		2
		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000
		0		3		60		62		0		56		57		4		0		0

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UK NEQAS for H&I - SCHEME 3 - HLA ANTIBODY SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 306/2015

DESPATCHED ON 23rd JUNE 2015

HLA specificity for assessment

	Cw5			Cw7			Cw8			Cw14			Cw16			Cw17			Cw18		
Consensus	Not Assessed			Absent			Absent			Absent			Absent			Absent			Absent		
% reported	36.7%			1.3%			3.8%			1.3%			1.3%			1.3%			1.3%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9	Cw5	L	< 2000																		
11																					
12	Cw5	L	< 2000																		
14																					
15	Cw5	L	2000-5000				Cw8	L	< 2000												
19	Cw5	L	< 2000																		
20	Cw5	L	< 2000																		
23																					
24																					
25	Cw5	L	< 2000																		
26	Cw5	L	< 2000																		
28	Cw5	L	< 2000																		
34	Cw5	L	2000-5000				Cw8	L	< 2000												
35																					
38	Cw5	L	< 2000																		
39	Cw5	L	< 2000																		
41																					
42	Cw5	L	< 2000																		
45	Cw5	L	< 2000																		
48																					
51	Cw5	L	< 2000																		
54																					
58	Cw5	L	< 2000																		
62	Cw5	L	< 2000																		
100																					
101																					
112																					
114																					
116																					
117	Cw5	L	< 2000																		
119																					
120																					
136																					
139	Cw5	L	< 2000																		
142																					
143																					
145																					
147																					
149																					
157																					
159																					
162																					
163																					
164																					
165	Cw5	F																			
169																					
181	Cw5	L	< 2000																		
185																					
186																					
190																					
193																					
194																					
195	Cw5	L	< 2000																		
197																					
204																					
206																					
209	Cw5	L	< 2000																		
210																					
218																					
227	Cw5	L	2000-5000																		
232																					
235																					
238																					
243																					
245	Cw5	L	< 2000																		
262																					
267	Cw5	L	< 2000	Cw7	L	< 2000															
268																					
273																					
277																					
284																					
292	Cw5	L	< 2000																		
293																					
294																					
297																					
301	Cw5	L	< 2000				Cw8	L	2000-5000	Cw14	L	2000-5000	Cw16	L	< 2000	Cw17	L	2000-5000	Cw18	L	2000-5000
303																					
309																					
311																					
315	Cw5	L	< 2000																		
323	Cw5	L	< 2000																		

Technique : C = CDC; E = ELISA; F = Flow cytometry; L = Luminex; O = Other

No. Reporting S	29	< 2000		1	< 2000		3	< 2000		1	< 2000		1	< 2000		1	< 2000		1	< 2000	
Total participant	79	25		79	1		79	2		79	0		79	1		79	0		79	0	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		3			0			1			1			0			1			1	
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0			0			0			0			0			0			0	

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UK NEQAS for H&I - SCHEME 3 - HLA ANTIBODY SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 306/2015

DESPATCHED ON 23rd JUNE 2015

Lab no.	Techniques used IgG	Sample Treatment IgG	High Background	Allele Specific Antibodies IgG	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative
9	L	None	No		LS1A04		500	17000	200											
11	L	None	No		LS1A04	1000	11884	119	LSM12	2.5	8362	42								
12	L	EDTA			LS1A04	500	18965	218												
14	L	EDTA			LS1A04		1500	17554	24	LSM12	2	16308	147							
15	L	EDTA	Yes		LS1A04	1000	16316	82												
19	L	None	No		LS1A04	1000	15919	49												
20	C+L	EDTA	No	A*68:02	LS1A04	500	14801	191												
23	L	None		C*03:02	LS1A04	1000	17206	147.8												
24	L	EDTA	No		LS1A04	1000	15471	137	LS1PRA	1000	9571	159	LSA1	Default	15875	180	LMX	Default	16746	64
25	L	EDTA	No	C*03:02	LS1A04	1000	18716	198	LSA1	1500	20663	55								
26	L	EDTA			LS1A04	1000	12488	78												
28	L	None	No	A*68:02	LS1A04	500	17186	196												
34	L	EDTA			LS1A04	896	16637	26												
35	C+L	None	No		LS1A04	1000	11724	144												
38	L	EDTA	No		LS1A04	850	13816	75	LSA1	436	21194	149								
39	L	EDTA	No		LS1A04	1200	16133	158												
41	L	None	No		LS1A04	2000	13393	139												
42	C+L	EDTA		C*03:02	LS1A04	500	13032	130	LSM12	4.5	8933	56								
45	L	EDTA	No		LS1A04	1500	14156	106												
48	L	Heat Inactivation																		
51	L	EDTA	No		LS1A04	1300	17180	97												
54	L	None	No		LS1A04	750	15002	132												
58	L	EDTA	No		LS1A04	1000	16478	188	LSM12	2.5-3	10145	22	LMX		19204					
62	L	None	No		LS1A04	1000	18124	146												
100	L	None	No		LM1	678	20553	163	LSA1	614	17908	206								
101	L	None			LS1A04	1000	12689	150												
112	L	None	No		LS1A04	1000	13548	112	LSA1	500	17678	215/707/239								
114	L	None			LS1A04	1000	6189	55												
116	C+L	None	No		LS1A04	1000	15771	58	LSM12		8049	21								
117	E+L	None	No		LS1A04	500	16308	143												
119	L	EDTA	No		LS1A04	1000	15554	153	LSM12		1.5 10800	74								
120	L	EDTA	No	C*03:02	LS1A04	500	15592	155												
136	C+L	None	No		LS1A04	1000	15803	174												
139	L	None			LS1A04	1000	14981	202												
142	L	EDTA	No		LS1A04	1000	16411	105												
143	L	None	No	B*13:02	LS1A04	1000	12533.47	1267												
145	L	None	No		LS1A04	1000	14010	191												
147	C+L	None	No	C*05:01	LS1A04	1500	12719	160	LSM12	5	13090	250								
149					LSA1		20000	140-282												
157	L	EDTA	No	B*40:02	LS1A04	1000	17400	165												
159	C+L	None	No		LS1A04	1500	15941	177												
162	L	EDTA	No		LS1A04	1000	15700	229	LSM12	3	14225	349								
163	L	None	No		LS1A04	1500	12956	74												
164	L	None			LS1A04	2000	18250	166	LSM12	4	17168	324								
165	F+E+L	None			LS1A04	1875	15961	163												
169	L	None	No	A*33:01	LS1A04	1000	3706	35												
181	L	None			LS1A04	500	13050	133												
185	L	EDTA	No		LSA1		19579	187	LM1		20839	114	LMX							
186	L	None	No		LS1A04	1000	10204	96	LSA1	1000	19928	225								
190	L	EDTA			LS1A04	1000	14683	188												
193	L	None	No		LS1A04	1000	15231	180												
194	C+L	DTT																		
195	L	None			LS1A04	1000	15000	220												
197	L	None																		
204	L	EDTA	No	C*03:02	LS1A04	1000	17268	43												
206	C+L	EDTA (only LS1)			LS1A04	1000	15531	92	LM1	3	20815	193								
209	C+L		No		LS1A04	500	1695	251												
210	No results received																			
218	L	Heat Inactivation	No		LSA1															
227	L	Dilution	No		LS1A04	1000	14120	354												
232	L	None	No		LS1A04		10101	281												
235	L				LS1A04	1000	12349	72												
238	L			B*35:08	LSA1	5	20419	237	LM1	1000	21278	134								
243	L	None	No		LS1A04	1000	15930	161												
		None			LS1A04	- <500	8085	146												
245	L					+ >1000														
262	L	None	No		LSA1	5	21780	374												
267	L	None	No		LSA1	500	17039													
268	C+L	None			LSA1	1500	19687	170/695/722	LM1	1000	21346	254/507/1191								
273	L	None	No		LS1A04	2107	16448	154												
277	L	None	No	C*03:02	LS1A04	500	13244	167												
284	C+L	EDTA			LS1A04	1000	13536	91	LSM12	3	8644	41								
292	L	None	No		LS1A04	500	13369	91	LSM12	2.5	11499	31								
293	NT - Luminex machine out of order																			
294	C+L				LSA1	4	17714													
297	L	EDTA	No		LS1A04	1500	14502	165												
301	L	None			LM1	50	21920													
303	L	EDTA	No		LS1A04	1000	14857	153												
309	L	None			LSA1		500	19400	94	LM1		700	2100	134						
311	L	EDTA	No		LS1A04	1500	17010	148												
315	L	None	No		LS1A04	500	11482	183												
323	L	None	No		LS1A04	1000	14082	110	LSM12	5.5	9178	49								

Technique : C = CDC; E = ELISA; F = Flow cytometry; L = Luminex; O = Other

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UK NEQAS for H&I - SCHEME 3 - HLA ANTIBODY SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 307/2015

DESPATCHED ON 23rd JUNE 2015

HLA specificity for assessment

Consensus	A1			A2			A203			A23			A24			A2403			A26			A66			A29			A68			A69		
% reported	Absent 3.8%			Present 100.0%			Not Assessed 41.8%			Not Assessed 34.2%			Not Assessed 73.4%			Not Assessed 39.2%			Not Assessed 25.3%			Absent 3.8%			Absent 1.3%			Present 98.7%			Present 97.5%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9				A2	L	> 5000	A203	L	> 5000	A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000										A68	L	2000-5000	A69	L	2000-5000
11				A2	L	2000-5000	A203	L	2000-5000	A23	L	< 2000	A24	L	< 2000													A68	L	2000-5000	A69	L	< 2000
12				A2	L	> 5000				A23	L	< 2000	A24	L	2000-5000	A2403	L	2000-5000	A26	L	2000-5000							A68	L	2000-5000/> 5000	A69	L	2000-5000
14				A2	L	> 5000																						A68	L	2000-5000	A69	L	2000-5000
15				A2	L	> 5000				A23	L	< 2000	A24	L	2000-5000				A26	L	< 2000	A66	L	< 2000				A68	L	2000-5000	A69	L	2000-5000
19				A2	L	2000-5000							A24	L	< 2000													A68	L	< 2000	A69	L	< 2000
20				A2	L	2000-5000				A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000	A26	L	< 2000							A68	L	2000-5000	A69	L	2000-5000
23				A2	L	> 5000	A203	L	> 5000																			A68	L	2000-5000	A69	L	2000-5000
24				A2	L	2000-5000	A203	L	2000-5000																			A68	L	2000-5000	A69	L	< 2000
25				A2	L	> 5000				A23	L	< 2000	A24	L	2000-5000				A26	L	< 2000							A68	L	2000-5000	A69	L	2000-5000
26				A2	L	2000-5000							A24	L	< 2000	A2403	L	< 2000	A26	L	< 2000							A68	L	2000-5000	A69	L	< 2000
28				A2	L	> 5000	A203	L	> 5000				A24	L	< 2000	A2403	L	< 2000	A26	L	< 2000							A68	L	2000-5000	A69	L	2000-5000
34				A2	L	2000-5000				A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000	A26	L	< 2000							A68	L	2000-5000	A69	L	< 2000
35				A2	L					A23	L		A24	L		A2403	L											A68	L		A69	L	
38				A2	L	> 5000	A203	L	> 5000	A23	L	< 2000	A24	L	< 2000				A26	L	< 2000							A68	L	2000-5000	A69	L	2000-5000
39				A2	L	> 5000							A24	L	< 2000	A2403	L	< 2000										A68	L	2000-5000	A69	L	2000-5000
41				A2	L	> 5000																						A68	L	2000-5000	A69	L	2000-5000
42				A2	L	2000-5000	A203	L	2000-5000	A23	L	< 2000	A24	L	< 2000				A26	L	< 2000							A68	L	2000-5000	A69	L	2000-5000
45				A2	L	2000-5000	A203	L	2000-5000				A24	L	< 2000	A2403	L	< 2000	A26	L	< 2000							A68	L	2000-5000	A69	L	2000-5000
48				A2	L	> 5000	A203	L	> 5000	A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000										A68	L	> 5000	A69	L	> 5000
51				A2	L	2000-5000				A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000	A26	L	< 2000							A68	L	2000-5000	A69	L	< 2000
54				A2	L	> 5000	A203	L	> 5000	A23	L	< 2000	A24	L	2000-5000	A2403	L	2000-5000										A68	L	> 5000	A69	L	2000-5000
58				A2	L	2000-5000	A203	L	2000-5000				A24	L	< 2000				A26	L	< 2000							A68	L	2000-5000	A69	L	2000-5000
62				A2	L	2000-5000	A203	L	2000-5000				A24	L	< 2000	A2403	L	< 2000										A68	L	2000-5000	A69	L	2000-5000
100				A2	L	< 2000																						A68	L	< 2000			
101				A2	L	> 5000							A24	L	< 2000	A2403	L	< 2000										A68	L	2000-5000	A69	L	2000-5000
112				A2	L	< 2000	A203	L	< 2000																			A68	L	< 2000	A69	L	2000-5000
114				A2	L	> 5000	A203	L	> 5000	A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000										A68	L	2000-5000	A69	L	2000-5000
116				A2	L	2000-5000	A203	L	2000-5000																			A68	L	< 2000	A69	L	< 2000
117				A2	E+L	> 5000				A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000	A26	E+L	< 2000							A68	L	2000-5000	A69	L	2000-5000
119				A2	L	> 5000	A203	L	> 5000				A24	L	< 2000	A2403	L	< 2000										A68	L	2000-5000	A69	L	2000-5000
120				A2	L	> 5000				A23	L	< 2000	A24	L	< 2000													A68	L	2000-5000	A69	L	2000-5000
136				A2	L	> 5000	A203	L	> 5000																			A68	L	2000-5000	A69	L	2000-5000
139				A2	L	2000-5000							A24	L	< 2000													A68	L	2000-5000	A69	L	2000-5000
142				A2	L	> 5000																						A68	L	2000-5000	A69	L	2000-5000
143				A2	L	2000-5000																						A68	L	2000-5000	A69	L	< 2000
145				A2	L	> 5000	A203	L	> 5000	A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000										A68	L	2000-5000/> 5000	A69	L	2000-5000
147				A2	L	2000-5000	A203	L	> 5000				A24	L	< 2000	A2403	L	< 2000	A26	L	< 2000							A68	L	2000-5000	A69	L	2000-5000
149				A2	L	2000-5000	A203	L	2000-5000				A24	L	< 2000	A2403	L	< 2000										A68	L	< 2000	A69	L	< 2000
157				A2	L	> 5000							A24	L	< 2000	A2403	L	< 2000										A68	L	2000-5000	A69	L	2000-5000
159				A2	L	> 5000							A24	L	< 2000													A68	L	2000-5000	A69	L	2000-5000
162				A2	L	> 5000																						A68	L	2000-5000	A69	L	2000-5000
163	A1	L	2000-5000	A2	L	2000-5000																						A68	L	2000-5000	A69	L	< 2000
164				A2	L	> 5000																						A68	L	2000-5000	A69	L	2000-5000
165	A1	F+E		A2	F+L					A23	F+L		A24	F+L					A26	F+E+L								A68	F+L		A69	F+L	
169				A2	L	2000-5000																									A69	L	< 2000
181				A2	L	2000-5000	A203	L	2000-5000	A23	L	< 2000	A24	L	< 2000				A26	L	< 2000							A68	L	2000-5000	A69	L	2000-5000
185				A2	L	2000-5000	A203	L	2000-5000				A24	L	< 2000													A68	L	< 2000	A69	L	< 2000
186	A1	L	< 2000	A2	L	2000-5000							A24	L	< 2000													A68	L	< 2000	A69	L	< 2000
190		`		A2	L	> 5000	A203	L	> 5000				A24	L	< 2000	A2403	L	< 2000										A68	L	2000-5000	A69	L	2000-5000
193				A2	L	> 5000	A203	L	> 5000																			A68	L	2000-5000	A69	L	2000-5000
194				A2	L	> 5000							A24	L	< 2000													A68	L	2000-5000	A69	L	2000-5000
195				A2	L	> 5000	A203	L	> 5000				A24	L	< 2000	A2403	L	< 2000										A68	L	2000-5000	A69	L	2000-5000
197				A2	L								A24	L														A68	L		A69	L	
204				A2	L	> 5000	A203	L	> 5000				A24	L	< 2000	A2403	L	< 2000										A68	L	2000-5000	A69	L	2000-5000
206				A2	L	2000-5000							A24	L	< 2000													A68	L	2000-5000	A69	L	2000-5000
209				A2	L	> 5000				A23	L	< 2000	A24	L	< 2000													A68	L	2000-5000	A69	L	2000-5000
210	No results received																																
218				A2	L	2000-5000	A203	L	2000-5000				A24	L	< 2000	A2403	L	< 2000										A68	L	2000-5000	A69	L	< 2000
227				A2	L	> 5000				A23	L	< 2000	A24	L	2000-5000				A26	L	< 2000	A66	L	< 2000				A68	L	2000-5000	A69	L	2000-5000
232				A2	L	> 5000							A24	L	< 2000													A68	L	2000-5000	A69	L	2000-5000
235				A2	L					A23	L		A24	L														A68	L		A69	L	
238				A2	L	2000-5000																						A68	L	2000-5000	A69	L	< 2000
243				A2	L	2000-5000																						A68	L	2000-5000	A69	L	2000-5000
245				A2	L	2000-5000	A203	L	2000-5000				A24	L	2000-5000	A2403	L	2000-5000	A26	L	< 2000							A68	L	2000-5000	A69	L	2000-5000
262				A2	L	2000-5000																						A68	L	2000-5000	A69	L	< 2000
267				A2	L	< 2000	A203	L	< 2000	A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000	A26	L	< 2000							A68	L	< 2000	A69	L	< 2000
268				A2	L	2000-5000							A24	L	< 2000													A68	L	2000-5000	A69	L	< 2000
273				A2	L	> 5000	A203	L	> 5000				A24	L	< 2000	A2403	L	< 2000										A68	L	2000-5000	A69	L	2000-5000
277				A2	L	> 5000				A23	L	< 2000	A24	L	< 2000													A68	L	2000-5000	A69	L	2000-5000
284				A2	L	2000-5000																						A68	L	2000-5000	A69	L	2000-5000
292				A2	L	> 5000	A203	L	> 5000	A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000										A68	L	2000-5000	A69	L	2000-5000
293	NT - Luminex machine out of order																																
294				A2	L	2000-5000							A24	L	< 2000													A68	L	2000-5000	A69	L	< 2000
297				A2	L	> 5000	A203	L	> 5000				A24	L	< 2000	A2403	L	< 2000										A68	L	2000-5000	A69	L	2000-5000
301				A2	L	< 2000																						A68	L	< 2000			
303				A2	L	> 5000							A24	L	< 2000													A68	L	2000-5000	A69	L	2000-5000
309				A2	L	2000-5000	A203	L	2000-5000	A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000										A68	L	2000-5000	A69	L	< 2000
311				A2	L	> 5000																						A68	L	2000-5000	A69	L	2000-5000
315				A2	L	> 5000				A23	L	< 2000	A24	L	2000-5000				A26	L	< 2000	A66	L	< 2000	A29	L	< 2000	A68	L	2000-5000	A69	L	2000-5000
323				A2	L	2000-5000							A24	L	< 2000													A68	L	< 2000	A69	L	2000-5000

Technique : C = CDC; E = ELISA; F = Flow cytometry; L = Luminex; O = Other

No. Reporting Spec	3	< 2000		79	< 2000		33	< 2000		27	< 2000		58	< 2000		31	< 2000		20	< 2000		3	< 2000		1	< 2000		78	< 2000		77	< 2000	
Total participants	79	1		79	4		79	2		79	23		79	46		79	26		79	18		79	3		79	1		79	10		79	20	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		1			32			13			1			8			4			1			0			0			60			52	
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0			39			18			0			0			0			0			0			0			4			1	

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UK NEQAS for H&I - SCHEME 3 - HLA ANTIBODY SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 307/2015

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HLA specificity for assessment

Consensus	A36			A43			B62			B63			B75			B76			B57			B58			B49			B37			B46			B82		
	Not Assessed			Not Assessed			Absent			Absent			Not Assessed			Absent			Present			Present			Absent			Absent			Absent			Not Assessed		
% reported	5.1%			41.8%			1.3%			1.3%			5.1%			2.5%			93.7%			92.4%			1.3%			2.5%			1.3%			8.9%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9				A43	L	< 2000													B57	L	2000-5000	B58	L	2000-5000												
11																			B57	L	< 2000	B58	I	< 2000												
12	A36	L		A43	L	2000-5000													B57	L	2000-5000	B58	L	2000-5000												
14																			B57	L	2000-5000	B58	L	< 2000												
15				A43	L	2000-5000							B75	L	< 2000	B76	L	< 2000	B57	L	2000-5000	B58	L	2000-5000				B37	L	< 2000				B82	L	< 2000
19																			B57	L	< 2000	B58	L	< 2000												
20				A43	L	< 2000													B57	L	< 2000	B58	L	< 2000												
23																			B57	L	2000-5000	B58	L	2000-5000												
24																			B57	L	< 2000	B58	L	< 2000												
25				A43	L	2000-5000													B57	L	2000-5000	B58	L	2000-5000												
26				A43	L	< 2000													B57	L	< 2000	B58	L	< 2000												
28				A43	L	2000-5000										B76	L	< 2000	B57	L	2000-5000	B58	L	2000-5000										B82	L	< 2000
34				A43	L	< 2000													B57	L	< 2000	B58	L	< 2000				B37	L	< 2000						
35																			B57	L		B58	L													
38				A43	L	< 2000													B57	L	2000-5000	B58	L	2000-5000												
39																			B57	L	< 2000	B58	L	< 2000												
41																			B57	L	2000-5000	B58	L	2000-5000												
42				A43	L	< 2000													B57	L	< 2000	B58	L	< 2000										B82	L	< 2000
45				A43	L	2000-5000													B57	L	< 2000	B58	L	< 2000												
48				A43	L	2000-5000													B57	L	2000-5000	B58	L	2000-5000												
51				A43	L	< 2000													B57	L	< 2000	B58	L	< 2000												
54				A43	L	< 2000													B57	L	2000-5000	B58	L	2000-5000												
58				A43	L	< 2000													B57	L	< 2000	B58	L	< 2000												
62				A43	L	2000-5000													B57	L	< 2000	B58	L	< 2000												
100																																				
101																			B57	L	2000-5000	B58	L	< 2000												
112																			B57	L	2000-5000	B58	L	< 2000												
114																			B57	L	2000-5000	B58	L	2000-5000										B82	L	< 2000
116																			B57	L	< 2000	B58	L	< 2000												
117				A43	L	< 2000	B62	L	< 2000										B57	E+L	2000-5000	B58	L	2000-5000												
119																			B57	L	2000-5000	B58	L	2000-5000												
120																			B57	L	< 2000	B58	L	< 2000												
136																			B57	L	2000-5000	B58	L	2000-5000												
139																			B57	L	< 2000	B58	L	< 2000												
142																			B57	L	2000-5000	B58	L	< 2000												
143																			B57	L	< 2000	B58	L	< 2000												
145																			B57	L	2000-5000	B58	L	2000-5000												
147				A43	L	> 5000													B57	L	< 2000	B58	L	< 2000												
149																			B57	L	< 2000	B58	L	< 2000												
157																			B57	L	< 2000	B58	L	< 2000												
159				A43	L	2000-5000													B57	L	2000-5000	B58	L	2000-5000												
162																			B57	L	< 2000	B58	L	< 2000												
163																																				
164																			B57	L	2000-5000	B58	L	2000-5000												
165				A43	F+L														B57	F+L		B58	F+L													
169																																				
181				A43	L	< 2000													B57	L	< 2000	B58	L	< 2000												
185																			B57	L	< 2000	B58	L	< 2000												
186																			B57	L	< 2000	B58	L	< 2000												
190				A43	L	< 2000													B57	L	2000-5000	B58	L	2000-5000												
193																			B57	L	< 2000	B58	L	< 2000												
194				A43	L	2000-5000													B57	L	2000-5000	B58	L	2000-5000												
195				A43	L	< 2000													B57	L	2000-5000	B58	L	< 2000												
197																			B57	L		B58	L													
204																			B57	L	2000-5000	B58	L	2000-5000												
206																			B57	L	< 2000	B58	L	< 2000												
209				A43	L	< 2000													B57	L	2000-5000	B58	L	< 2000										B82	L	< 2000
210																																				
218													B75	L	< 2000				B57	L	< 2000	B58	L	< 2000							B46	L	< 2000			
227	A36	L	< 2000	A43	L	2000-5000							B75	L	< 2000				B57	L	2000-5000	B58	L	2000-5000										B82	L	< 2000
232				A43	L	2000-5000													B57	L	2000-5000	B58	L	2000-5000												
235																			B57	L		B58	L													
238																			B57	L	< 2000	B58	L	< 2000												
243																			B57	L	< 2000	B58	L	< 2000												
245				A43	L	2000-5000													B57	L	< 2000	B58	L	< 2000												
262																			B57	L	< 2000															
267				A43	L	< 2000																														
268																			B57	L	< 2000															
273																			B57	L	2000-5000	B58	L	2000-5000												
277																			B57	L	2000-5000	B58	L	2000-5000												
284																			B57	L	< 2000	B58	L	< 2000												
292				A43	L	< 2000													B57	L	2000-5000	B58	L	2000-5000												
293																																				
294																			B57	L	< 2000	B58	L	< 2000												
297				A43	L	< 2000													B57	L	2000-5000	B58	L	2000-5000												
301	A36	L	< 2000							B63	L	< 2000										B58	L	< 2000	B49	L	< 2000									
303																			B57	L	2000-5000	B58	L	2000-5000												
309																			B57	L	< 2000	B58	L	< 2000												
311																			B57	L	< 2000	B58	L	< 2000												
315	A36	L	< 2000	A43	L	2000-5000							B75	L	< 2000				B57	L	2000-5000	B58	L	2000-5000										B82	L	< 2000
323				A43	L	2000-5000													B57	L	< 2000	B58	L	< 2000												

Technique : C = CDC; E = ELISA; F = Flow cytometry; L = Luminex; O = Other

No. Reporting Spec	4	< 2000		33	< 2000		1	< 2000		1	< 2000		4	< 2000		2	< 2000		74	< 2000		73	< 2000		1	< 2000		2	< 2000		1	< 2000		7	< 2000	
Total participants	79	3		79	17		79	1		79	1		79	4		79	2		79	36		79	41		79	1		79	2		79	1		79	7	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		0			14			0			0			0			0			34			28			0			0			0			0		
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0			1			0			0			0			0			0			0			0			0			0			0		

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CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 307/2015

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HLA specificity for assessment																		
	Cw2			Cw5			Cw6			Cw15			Cw17			Cw18		
Consensus	Absent			Not Assessed			Absent			Absent			Absent			Absent		
% reported	2.5%			57.0%			1.3%			1.3%			1.3%			2.5%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9				Cw5	L	< 2000												
11																		
12				Cw5	L	< 2000												
14																		
15	Cw2	L	< 2000	Cw5	L	< 2000												
19																		
20				Cw5	L	< 2000												
23				Cw5	L	< 2000												
24																		
25				Cw5	L	< 2000												
26																		
28				Cw5	L	< 2000												
34				Cw5	L	< 2000												
35																		
38				Cw5	L	< 2000												
39				Cw5	L	< 2000												
41																		
42				Cw5	L	< 2000												
45																		
48				Cw5	L	2000-5000												
51				Cw5	L	< 2000												
54				Cw5	L	2000-5000												
58				Cw5	L	< 2000												
62																		
100																		
101				Cw5	L	< 2000												
112																		
114				Cw5	L	2000-5000												
116																		
117				Cw5	L	< 2000												
119				Cw5	L	< 2000												
120				Cw5	L	< 2000												
136				Cw5	L	< 2000												
139				Cw5	L	< 2000												
142																		
143																		
145				Cw5	L	2000-5000												
147																		
149				Cw5	L	2000-5000												
157				Cw5	L	< 2000												
159				Cw5	L	< 2000												
162				Cw5	L	< 2000												
163																		
164																		
165				Cw5	F+E+L								Cw17	F		Cw18	F+E	
169																		
181				Cw5	L	< 2000												
185																		
186																		
190				Cw5	L	< 2000												
193				Cw5	L	< 2000												
194				Cw5	L	< 2000												
195				Cw5	L	< 2000												
197																		
204				Cw5	L	< 2000												
206																		
209				Cw5	L	< 2000												
210																		
218				Cw5	L	< 2000												
227				Cw5	L	< 2000												
232				Cw5	L	< 2000												
235				Cw5	L													
238																		
243																		
245																		
262																		
267																		
268																		
273				Cw5	L	< 2000												
277				Cw5	L	< 2000												
284																		
292				Cw5	L	< 2000												
293																		
294																		
297				Cw5	L	< 2000												
301																		
303				Cw5	L	< 2000												
309																		
311																		
315	Cw2	L	< 2000	Cw5	L	< 2000	Cw6	L	< 2000	Cw15	L	< 2000				Cw18	L	< 2000
323																		
Technique : C = CDC; E = ELISA; F = Flow cytometry; L = Luminex; O = Other																		
No. Reporting Spec	2	< 2000		45	< 2000		1	< 2000		1	< 2000		1	< 2000		2	< 2000	
Total participants	79	2		79	38		79	1		79	1		79	0		79	1	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		0			5			0			0			0			0	
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0			0			0			0			0			0	

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UK NEQAS for H&I - SCHEME 3 - HLA ANTIBODY SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 307/2015

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Lab no.	Techniques used IgG	Sample Treatment IgG	High Background	Allele Specific Antibodies IgG	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative
9	L	None	No		LS1A04		500	18000	70											
11	L	None	No		LS1A04	1000	13190	30	LSM12	2.5	10309	17								
12	L	EDTA			LS1A04	500	20599	52												
14	L	EDTA			LS1A04		1500	19651	15 LSM12	2	17586	31								
15	L	EDTA	No		LS1A04	1000	19020	47												
19	L	None	No		LS1A04	1000	16133	18												
20	C+L	EDTA	No		LS1A04	500	15748	41												
23	L	None			LS1A04	1000	19207	34.48												
24	L	EDTA	No		LS1A04	1000	16108	28	LS1PRA	1000	16471	54	LSA1	Default	16682	164	LMX	Default	17353	73
25	L	EDTA	No		LS1A04	1000	19359	151	LSA1	1500	21210	102								
26	L	EDTA			LS1A04	1000	15335	39												
28	L	None	No		LS1A04	500	19909	39												
34	L	EDTA			LS1A04	644	19322	13												
35	C+L	None	No		LS1A04	1000	14192	34												
38	L	EDTA			LS1A04	930	13006	61	LSA1	679	20142	171								
39	L	EDTA	No		LS1A04	1100	19667	34												
41	L	None	No		LS1A04	2000	16796	53												
42	C+L	EDTA	No		LS1A04	500	14319	50	4.5	11957	38									
45	L	EDTA	No		LS1A04	1500	17211	20												
48	L	Heat Inactivation																		
51	L	EDTA	No		LS1A04	550	15213	35												
54	L	None	No		LS1A04	1000	15275	60												
58	L	EDTA	No		LS1A04	1000	17625	69	LSM12	2.5-3	9965	21	LMX		19779					
62	L	None	No		LS1A04	1000	19015	49												
100	L	None	No		LM1	646	21011	84	LSA1	672	16462	227								
101	L	None			LS1A04	1000	13120	61												
112	L	None	No		LS1A04	1000	15151	37	LSA1	500	19205	266/431/291								
114	L	None			LS1A04	1000	11981	56												
116	C+L	None	No		LS1A04	1000	17340	22	LSM12		10076	18								
117	E+L	None	No		LS1A04	500	18540	35												
119	L	EDTA	No		LS1A04	1000	15760	32	LSM12		1.5 14294	34								
120	L	EDTA	No		LS1A04	500	15626	33												
136	C+L	None	No		LS1A04	1000	17102	33												
139	L	None			LS1A04	1000	16374	39												
142	L	EDTA	No		LS1A04	1000	17414	38												
143	L	None	No		LS1A04	1000	13792.61	46.55												
145	L	None	No		LS1A04	1000	17495	48												
147	C+L		No		LS1A04		14470	40	LSM12	5	15047	42								
149					LSA1		20000	140-282												
157	L	EDTA	No	A*24:02	LS1A04	1000	18200	27												
159	C+L	None	No		LS1A04	1500	18298	61												
162	L	EDTA	No		LS1A04	1000	16580	76	LSM12	3	14917	125								
163	L	None	No		LS1A04	1500	13912	32												
164	K	None			LS1A04	2000	19796	46	LSM12	4	19418	51								
165	F+E+L	None			LS1A04	840	17848	33												
169	L	None	No		LS1A04	1000	4697	8												
181	L	None			LS1A04	500	14808	31												
185	L	EDTA	No		LSA1		19081	218	LM1		23181	113	LMX							
186	L	None	No		LS1A04	1000	12341	35	LSA1	1000	20153	223								
190	L	EDTA			LS1A04	1000	15961	41												
193	L	None	No		LS1A04	1000	16676	33												
194	C+L	DTT																		
195	L	None			LS1A04	1000	16200	50												
197	L																			
204	L	EDTA	No		LS1A04	1000	18268	31												
206	C+L	EDTA (only LS1)			LS1A04	1000	15869	30	LM1	3	20106	94								
209	C+L				LS1A04	500	17233	70												
210	No results received																			
218	L	None			LSA1															
227	L	Dilution	No		LS1A04	500	16900	87												
232	L	None	No		LS1A04		12924	34												
235	L				LS1A04	1000	14186	27												
238	L				LSA1	5	20442	201	LM1	1000	21881	109								
243	L	None	No		LS1A04	1000	16644	30												
		None			LS1A04	- <500														
245	L					+ >1000														
262	L	None	No		LSA1	5	20788	225												
267	L	None	No		LSA1	500	16858													
268	C+L	None			LSA1	1500	20014	169/339/149	LM1	1000	21396	214/1091/2128								
273	L	Heat Inactivation	No		LS1A04	1570	16788	50												
277	L	None	No		LS1A04	500	14122	57												
284	C+L	EDTA			LS1A04	1000	13598	39	LSM12	3	8924	44								
292	L	None	No		LS1A04	500	17115	31	LSM12	2.5	15159	26								
293	NT - Luminex machine out of order																			
294	C+L	None			LSA1	4	18979													
297	L	EDTA	No		LS1A04	1500	17110	44												
301	L	None			LM1	50	22098													
303	L	EDTA	No		LS1A04	1000	15356	38												
309	L	None			LSA1	800	19800	154	LM1	800	21800	154								
311	L	EDTA	No		LS1A04		1500	17075	37											
315	L	None			LS1A04	500	13649	93												
323	L	None	No		LS1A04	1000	15400	27	LSM12	5.5	12617	22								

Technique : C = CDC; E = ELISA; F = Flow cytometry; L = Luminex; O = Other

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CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 308/2015

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HLA specificity for assessment	A68			B63			B49			B59			B67			Cw1			Cw17		
Consensus	Absent			Absent			Not Assessed			Not Assessed			Not Assessed			Absent			Present		
% reported	3.8%			2.6%			23.1%			12.8%			9.0%			1.3%			78.2%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9																					
11																					
12							B49	L	< 2000	B59	L	< 2000	B67	L	< 2000				Cw17	L	2000-5000
14																			Cw17	L	> 5000
15																			Cw17	L	> 5000
19																			Cw17	L	2000-5000
20							B49	L	< 2000										Cw17	L	2000-5000
23																			Cw17	L	2000-5000
24																					
25																					
26																			Cw17	L	< 2000
28	A68	L		B63	L	< 2000	B49	L	< 2000	B59	L	< 2000	B67	L	< 2000				Cw17	L	2000-5000
34																			Cw17	L	2000-5000
35																					
38																			Cw17	L	2000-5000
39																			Cw17	L	> 5000
41																			Cw17	L	2000-5000
42	A68	L	< 2000				B49	L	< 2000	B59	L	< 2000	B67	L	< 2000				Cw17	L	> 5000
45																			Cw17	L	2000-5000
48																			Cw17	L	> 5000
51																			Cw17	L	> 5000
54																					
58																			Cw17	L	2000-5000
62																			Cw17	L	> 5000
100																					
101							B49	L	< 2000										Cw17	L	> 5000
112																			Cw17	L	< 2000
114							B49	L	< 2000	B59	L	< 2000							Cw17	L	> 5000
116																					
117							B49	L	< 2000	B59	L	< 2000	B67	L	< 2000				Cw17	L	2000-5000
119																			Cw17	L	> 5000
120							B49	L	< 2000										Cw17	L	2000-5000
136																			Cw17	L	2000-5000
139																			Cw17	L	2000-5000
142																			Cw17	L	2000-5000
143																			Cw17	L	< 2000
145																			Cw17	L	2000-5000
147																			Cw17	L	2000-5000
149																			Cw17	L	< 2000
157							B49	L	< 2000										Cw17	L	> 5000
159																			Cw17	L	> 5000
162																					
163																			Cw17	L	2000-5000
164																					
165				B63	F					B59	F								Cw17	F+L	
169																			Cw17	L	< 2000
181							B49	L	< 2000	B59	L	< 2000	B67	L	< 2000				Cw17	L	2000-5000
185																					
186																			Cw17	L	< 2000
190																			Cw17	L	2000-5000
193																			Cw17	L	2000-5000
194																Cw1	L	> 5000			
195																			Cw17	L	> 5000
197																					
204							B49	L	< 2000										Cw17	L	> 5000
206																			Cw17	L	2000-5000
209	A68	L	< 2000				B49	L	< 2000	B59	L	< 2000	B67	L	< 2000				Cw17	L	> 5000
210	No results received																				
218																			Cw17	L	2000-5000
227	NT - technical failure																				
232							B49	L	< 2000										Cw17	L	> 5000
235																					
238																			Cw17	L	< 2000
243																			Cw17	L	< 2000
245							B49	L	< 2000										Cw17	L	> 5000
262																			Cw17	L	< 2000
267																					
268																					
273																			Cw17	L	> 5000
277							B49	L	< 2000										Cw17	L	< 2000
284																			Cw17	L	2000-5000
292							B49	L	< 2000	B59	L	< 2000							Cw17	L	> 5000
293	NT - Luminex machine out of order																				
294																			Cw17	L	< 2000
297							B49	L	< 2000										Cw17	L	2000-5000
301																					
303																			Cw17	L	> 5000
309																			Cw17	L	< 2000
311																			Cw17	L	> 5000
315							B49	L	< 2000	B59	L	< 2000	B67	L	< 2000				Cw17	L	2000-5000
323																			Cw17	L	2000-5000

Technique : C = CDC; E = ELISA; F = Flow cytometry; L = Luminex; O = Other

No. Reporting Spec	3	< 2000		2	< 2000		18	< 2000		10	< 2000		7	< 2000		1	< 2000		61	< 2000	
Total participants	78	2		78	1		78	18		78	9		78	7		78	0		78	12	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		0			0			0			0			0			0			27	
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0			0			0			0			0			1			21	

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UK NEQAS for H&I - SCHEME 3 - HLA ANTIBODY SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 308/2015

DESPATCHED ON 23rd JUNE 2015

Lab no.	Techniques used IgG	Sample Treatment IgG	High Background	Allele Specific Antibodies IgG	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot) IgG
9	L	Dilution	Yes		LS1A04		900	15254	56								
11	L	None	No		LSM12	2.5	7419	112									
12	L	EDTA	No		LS1A04	500	15718	87									
14	L	EDTA			LS1A04		1500	17938	34	LSM12	2	16021	51				
15	L	EDTA			LS1A04	1000	16623	72									
19	L	None	No		LS1A04	1000	15778	41									
20	C+L	EDTA	No		LS1A04	500	13963	31									
23	L	None			LS1A04	1000	15917	40.52									
24	L	None	No		LS1PRA	1000	14913	53	LMX	Default	15771	103					
25	L	EDTA			LSM12	6	10661	202									
26	L	EDTA			LS1A04	1000	14802	39									
28	L	None	No		LS1A04	500	17155	49									
34	L	EDTA			LS1A04	500	15666	163									
35	C+L	None	No		LS1A04	1000	14192	290	LSM12	10	15691	171	LS1PRA	1000	11233	43	
38	L	EDTA			LS1A04	1000	12589	380									
39	L	EDTA	No		LS1A04	1100	16964	101									
41	L	None	No		LS1A04	2000	14003	92									
42	C+L	EDTA		A*68:02	LS1A04	500	13231	302	LSM12	4.5	8619	151					
45	L	EDTA	No		LS1A04	1500	16023	71									
48	L	Heat Inactivation															
51	L	EDTA	No		LS1A04	1200	17777	200									
54	L	None	No		LSM12	350	771	209									
58	L	EDTA	No		LS1A04	1000	15778	67	LSM12	2.5-3	7197	42	LMX		19151		
62	L	None	No		LS1A04	1000	19165	203									
100	L	None	No		LM1				LSA1								
101	L	None			LS1A04	1000	10700	84									
112	L	None	No		LS1A04	1000	13859	50	LSA1	19120	236/300/176						
114	L	None			LS1A04	1000	6180	59									
116	C+L	None	No		LSM12		7359	97									
117	E+L	None	No		LS1A04	500	16093	36									
119	L	EDTA	No		LS1A04	1000	13080	53	LSM12		1.5 7946	69					
120	L	EDTA	No		LS1A04	500	12499	49									
136	C+L	None	No		LS1A04	1000	14090	50									
139	L	None			LS1A04	1000	14520	74									
142	L	EDTA	No		LS1A04	1000	14744	65									
143	L	None	No		LS1A04	1000	12941.32	100.6									
145	L	None	No		LS1A04	1000	13910	63									
147	C+L		No		LS1A04	1500	13665	154	LSM12	5	10177	87					
149					LSA1		20000	140-282									
157	L	EDTA	No		LS1A04	1000	17700	348									
159	C+L	None	No		LS1A04	1500	15986	86									
162	L	EDTA	No		LSM12	3	13517	84									
163	L	None	No		LS1A04	1500	11640	64									
164	L	None			LS1A04	2000	NA	NA	LSM12	4	16759	134					
165	F+E+L	None			LS1A04	586	16859	222									
169	L	None	No		LS1A04	1000	3066	14									
181	L	None			LS1A04	500	11837	65									
185	L	EDTA	No		LSA1		18243	248	LM1		20839	117	LMX				
186	L	None	No		LS1A04	1000	10831	73	LSA1	1000	21143	201					
190	L	EDTA			LS1A04	1000	14210	183									
193	L	None	No		LS1A04	1000	14004	49									
194	C+L	DTT															
195	L	None			LS1A04	1000	16000	180									
197	L	None															
204	L	EDTA	No		LS1A04	1000	14825	45									
206	C+L	EDTA (only LS1)			LS1A04	1000	14247	51	LM1	3	19168	111					
209	C+L				LS1A04	500	16323	131									
210	No results received																
218	L	Heat Inactivation			LSA1												
227	NT - technical failure																
232	L	None	No		LS1A04		9310	57									
235	L				LS1A04	1000	9556	52									
238	L				LSA1	5	20309	218	LM1	1000	31388	114					
243	L	None	No		LS1A04	1000	13885	36									
245	L	None	No		LS1A04	1000	14713	76									
262	L	None	No		LSA1	5	21772	559									
267	L	None	No		LSA1	500	16530										
268	C+L	None			LSA1	1500	20116	248/288/142	LM1	1000	20041	162/344/1731					
273	L	None	No		LS1A04	1028	14678	73									
277	L	None	No		LS1A04	500	12164	54									
284	C+L	EDTA			LS1A04	1000	12820	121	LSM12	3	6676	94					
292	L	None	No		LS1A04	500	16530	107	LSM12	2.5	10811	67					
293	NT - Luminex machine out of order																
294	C+L	None			LSA1	4	19414										
297	L	EDTA	No		LS1A04	1500	13238	102									
301	L	None	No		LM1	50	21979										
303	L	EDTA	No		LS1A04	1000	12365	51									
309	L			LM1 ID: Neg	LSA1		1700	19300	108								
311	L	EDTA	Yes		LS1A04		1500	16360	70								
315	L	None			LS1A04	500	10826	159									
323	L	None	No		LS1A04	1000	14617	43	LSM12	5.5	8898	54					

Technique : C = CDC; E = ELISA; F = Flow cytometry; L = Luminex; O = Other

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UK NEQAS for H&I - SCHEME 3 - HLA ANTIBODY SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 309/2015

DESPATCHED ON 23rd JUNE 2015

HLA specificity for assessment

Consensus	A1			A2			A203			A69			A36			B75			B57			B58			B54			B56			B35			B37		
% reported	Absent 1.3%			Present 100.0%			Not Assessed 39.2%			Not Assessed 8.9%			Absent 2.5%			Not Assessed 19.0%			Present 98.7%			Present 97.5%			Absent 1.3%			Absent 1.3%			Absent 1.3%			Absent 1.3%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9				A2	L	> 5000	A203	L	> 5000	A69	L	< 2000							B57	L	2000-5000	B58	L	2000-5000												
11				A2	L	2000-5000	A203	L	2000-5000										B57	L	2000-5000	B58	L	2000-5000												
12				A2	L	> 5000	A203	L	2000-5000										B57	L	2000-5000	B58	L	2000-5000												
14				A2	L	2000-5000													B57	L	2000-5000	B58	L	2000-5000												
15				A2	L	2000-5000										B75	L	2000-5000	B57	L	2000-5000	B58	L	< 2000												
19				A2	L	2000-5000													B57	L	< 2000	B58	L	< 2000												
20				A2	L	2000-5000													B57	L	< 2000	B58	L	< 2000												
23				A2	L	> 5000													B57	L	2000-5000	B58	L	2000-5000												
24				A2	L	2000-5000	A203	L	2000-5000										B57	L	2000-5000	B58	L	< 2000												
25				A2	L	2000-5000													B57	L	2000-5000	B58	L	2000-5000												
26				A2	L	2000-5000										B75	L	< 2000	B57	L	< 2000	B58	L	< 2000												
28				A2	L	> 5000				A69	L	< 2000				B75	L	< 2000	B57	L	2000-5000	B58	L	2000-5000												
34				A2	L	2000-5000										B75	L	< 2000	B57	L	2000-5000	B58	L	< 2000												
35				A2	L														B57	L		B58	L													
38				A2	L	> 5000										B75	L	< 2000	B57	L	2000-5000	B58	L	2000-5000												
39				A2	L	2000-5000										B75	L	< 2000	B57	L	2000-5000	B58	L	2000-5000												
41				A2	L	> 5000													B57	L	2000-5000	B58	L	2000-5000												
42				A2	L	2000-5000	A203	L	2000-5000	A69	L	< 2000				B75	L	< 2000	B57	L	2000-5000	B58	L	2000-5000												
45				A2	L	2000-5000	A203	L	2000-5000										B57	L	2000-5000	B58	L	2000-5000												
48				A2	L	> 5000	A203	L	> 5000										B57	L	> 5000	B58	L	2000-5000												
51				A2	L	2000-5000										B75	L	< 2000	B57	L	2000-5000	B58	L	< 2000												
54				A2	L	> 5000	A203	L	> 5000										B57	L	2000-5000	B58	L	2000-5000												
58				A2	L	2000-5000	A203	L	2000-5000										B57	L	2000-5000	B58	L	< 2000												
62				A2	L	> 5000	A203	L	> 5000							B75	L	2000-5000	B57	L	> 5000	B58	L	2000-5000												
100				A2	L	< 2000	A203	L	< 2000										B57	L	< 2000	B58	L	< 2000												
101				A2	L	2000-5000													B57	L	2000-5000	B58	L	< 2000												
112				A2	L	< 2000	A203	L	< 2000										B57	L	< 2000	B58	L	2000-5000												
114				A2	L	> 5000	A203	L	> 5000										B57	L	> 5000	B58	L	2000-5000												
116				A2	L	2000-5000	A203	L	2000-5000										B57	L	2000-5000	B58	L	2000-5000												
117				A2	L	2000-5000													B57	L	2000-5000	B58	L	2000-5000												
119				A2	L	> 5000	A203	L	> 5000										B57	L	2000-5000	B58	L	2000-5000												
120				A2	L	2000-5000													B57	L	2000-5000	B58	L	< 2000												
136				A2	C+L	2000-5000	A203	L	2000-5000										B57	L	2000-5000	B58	L	2000-5000												
139				A2	L	> 5000													B57	L	2000-5000	B58	L	2000-5000												
142				A2	L	> 5000													B57	L	2000-5000	B58	L	2000-5000												
143				A2	L	> 5000													B57	L	2000-5000	B58	L	2000-5000												
145				A2	L	> 5000	A203	L	> 5000										B57	L	2000-5000	B58	L	2000-5000												
147				A2	L	2000-5000	A203	L	2000-5000										B57	L	2000-5000	B58	L	2000-5000												
149				A2	L	2000-5000	A203	L	2000-5000										B57	L	< 2000	B58	L	< 2000												
157				A2	L	> 5000													B57	L	2000-5000	B58	L	2000-5000												
159				A2	L	> 5000													B57	L	> 5000	B58	L	2000-5000												
162				A2	L	2000-5000													B57	L	2000-5000	B58	L	2000-5000												
163				A2	L	2000-5000													B57	L	2000-5000															
164				A2	L	> 5000													B57	L	2000-5000	B58	L	2000-5000												
165				A2	F+L														B57	F+E+L		B58	F+L													
169				A2	L	2000-5000													B57	L	2000-5000	B58	L	2000-5000												
181				A2	L	2000-5000	A203	L	2000-5000							B75	L	< 2000	B57	L	2000-5000	B58	L	< 2000												
185				A2	L	2000-5000	A203	L	2000-5000										B57	L	2000-5000	B58	L	< 2000												
186				A2	L	< 2000													B57	L	< 2000	B58	L	< 2000												
190				A2	L	> 5000	A203	L	> 5000										B57	L	2000-5000	B58	L	2000-5000												
193				A2	L	2000-5000	A203	L	2000-5000										B57	L	2000-5000	B58	L	2000-5000												
194				A2	L	> 5000													B57	L	2000-5000	B58	L	2000-5000												
195				A2	L	2000-5000	A203	L	2000-5000										B57	L	2000-5000	B58	L	2000-5000												
197				A2	L														B57	L		B58	L													
204				A2	L	> 5000	A203	L	> 5000										B57	L	2000-5000	B58	L	2000-5000												
206				A2	L	2000-5000													B57	L	2000-5000	B58	L	< 2000												
209				A2	L	2000-5000										B75	L	< 2000	B57	L	2000-5000	B58	L	2000-5000												
210	No results received																																			
218				A2	L	2000-5000	A203	L	< 2000	A69	L	< 2000							B57	L	< 2000	B58	L	< 2000												
227				A2	L	> 5000				A69	L	< 2000				B75	L	< 2000	B57	L	2000-5000	B58	L	2000-5000												
232				A2	L	> 5000				A69	L	< 2000				B75	L	< 2000	B57	L	2000-5000	B58	L	2000-5000												
235	A1	L		A2	L								A36	L					B57	L		B58	L													
238				A2	L	< 2000													B57	L	< 2000	B58	L	< 2000												
243				A2	L	2000-5000													B57	L	2000-5000	B58	L	2000-5000												
245				A2	L	> 5000										B75	L	< 2000	B57	L	2000-5000	B58	L	2000-5000												
262				A2	L	2000-5000													B57	L	< 2000	B58	L	< 2000												
267				A2	L	< 2000	A203	L	< 2000																B54	L	< 2000				B35	L	< 2000			
268				A2	L	2000-5000													B57	L	< 2000	B58	L	< 2000												
273				A2	L	> 5000	A203	L	> 5000										B57	L	2000-5000	B58	L	2000-5000												
277				A2	L	2000-5000													B57	L	2000-5000	B58	L	2000-5000												
284				A2	L	2000-5000													B57	L	2000-5000	B58	L	< 2000												
292				A2	L	2000-5000	A203	L	2000-5000										B57	L	2000-5000	B58	L	2000-5000												
293	NT - Luminex machine out of order																																			
294				A2	L	2000-5000													B57	L	2000-5000	B58	L	< 2000												
297				A2	L	> 5000	A203	L	> 5000										B57	L	> 5000	B58	L	2000-5000												
301				A2	L	< 2000							A36	L	< 2000				B57	L	< 2000	B58	L	< 2000				B56	L	< 2000				B37	L	
303				A2	L	> 5000													B57	L	2000-5000	B58	L	2000-5000												
309				A2	L	2000-5000	A203	L	2000-5000										B57	L	2000-5000	B58	L	< 2000												
311				A2	L	> 5000													B57	L	2000-5000	B58	L	2000-5000												
315				A2	L	> 5000				A69	L	< 2000				B75	L	< 2000	B57	L	2000-5000	B58	L	2000-5000												
323				A2	L	2000-5000													B57	L	2000-5000	B58	L	< 2000												

Technique : C = CDC; E = ELISA; F = Flow cytometry; L = Luminex; O = Other

No. Reporting Spec	1	< 2000	79	< 2000	31	< 2000	7	< 2000	2	< 2000	15	< 2000	78	< 2000	77	< 2000	1	< 2000	1	< 2000	1	< 2000	1	< 2000
Total participants	79	0	79	6	79	4	79	7	79	1	79	13	79	12	79	25	79	1	79	1	79	1	79	1
		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
		0		40		16		0		0		2		57		48		0		0		0		0
		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000
		0		29		11		0		0		0		5		0		0		0		0		0

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CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 309/2015

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	HLA specificity for assessment									
		B81			Cw5			Cw16		
	Consensus	Absent			Not Assessed			Absent		
	% reported	1.3%			21.5%			1.3%		
MFI	Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
	9				Cw5	L	< 2000			
	11									
	12									
	14									
	15									
	19									
	20									
	23									
	24									
	25									
	26									
	28									
	34									
	35									
	38									
	39									
	41									
	42				Cw5	L	< 2000			
	45									
	48									
	51									
	54				Cw5	L	< 2000			
	58									
	62				Cw5	L	< 2000			
	100									
	101									
	112				Cw5	L	< 2000			
	114				Cw5	L	< 2000			
	116									
	117				Cw5	L	< 2000			
	119									
	120									
	136									
	139									
	142									
	143									
	145									
	147									
	149									
	157									
	159				Cw5	L	< 2000			
	162									
	163									
	164									
	165				Cw5	F				
	169									
	181									
	185									
	186									
	190									
	193									
	194									
	195									
	197									
	204				Cw5	L	< 2000			
	206									
	209				Cw5	L	< 2000			
	210									
	218									
	227				Cw5	L	< 2000			
	232				Cw5	L	< 2000			
	235									
	238									
	243									
	245				Cw5	L	< 2000			
	262									
	267	B81	L	< 2000				Cw16	L	< 2000
	268									
	273									
	277				Cw5	L	< 2000			
	284									
	292				Cw5	L	< 2000			
	293									
	294									
	297									
< 2000	301									
	303									
	309									
	311									
	315				Cw5	L	< 2000			
	323									

Technique : C = CDC; E = ELISA; F = Flow cytometry; L = Luminex; O = Other

No. Reporting Spec	1	< 2000		17	< 2000		1	< 2000
Total participants	79	1		79	16		79	1
		2000-5000			2000-5000			2000-5000
		0			0			0
		> 5000			> 5000			> 5000
		0			0			0

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UK NEQAS for H&I - SCHEME 3 - HLA ANTIBODY SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 309/2015

DESPATCHED ON 23rd JUNE 2015

Lab no.	Techniques used IgG	Sample Treatment IgG	High Background	Allele Specific Antibodies IgG	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative
9	L	None	No		LS1A04		500	15500	60											
11	L	None	No		LS1A04	1000	12041	35	LSM12	2.5	7626	34								
12	L	EDTA	No		LS1A04	500	16839	81												
14	L	EDTA			LS1A04		1500	18214	29	LSM12	2	16385	38							
15	L	EDTA	No		LS1A04	1000	19703	107												
19	L	None	No		LS1A04	1000	15566	33												
20	C+L	EDTA	No		LS1A04	500	15192	38												
23	L	None			LS1A04	1000	16675	38.73												
24	L	EDTA	No		LS1A04	1000	15447	32	LS1PRA	1000	15419	65	LSA1	Default	16381	240	LMX	Default	15186	100
25	L	EDTA/ Seraclean	Yes		LS1A04	1000	19111	55	LSA1	1500	21135	78								
26	L	EDTA			LS1A04	1000	14794	69												
28	L	None	No		LS1A04	500	19147	76												
34	L	EDTA			LS1A04	500	17918	17												
35	C+L	None	No		LS1A04	1000	11845	64												
38	L	EDTA			LS1A04	1000	12663	88	LSA1	900	20823	170								
39	L	EDTA	No	B*15:02	LS1A04	1400	17120	66												
41	L	None	No		LS1A04	2000	14242	57												
42	C+L	EDTA		B*15:02	LS1A04	500	13898	63	LSM12	4.5	9693	63								
45	L	EDTA	No		LS1A04	1500	16168	28												
48	L	Heat Inactivation																		
51	L	EDTA		B*15:02	LS1A04	500	10361	43	LSM12	4.5	11664	35								
54	L	None	No		LS1A04	750	15498	31												
58	L	EDTA	No		LS1A04	1000	15357	56	LSM12	2.5-3	11273	17	LMX		18899					
62	L	None	No	B*15:02	LS1A04	1000	20980	140												
100	L	None	No		LM1	424	19140	68	LSA1	321	17638	240								
101	L	None			LS1A04	1000	11700	37												
112	L	None	No		LS1A04	500	13520	35	LSA1	500	17822	213/1638/146								
114	L	None			LS1A04	1000	9707	47												
116	C+L	None	No		LS1A04		16136	31	LSM12		5420	48								
117	E+L	None	No		LS1A04	500	16765	34												
119	L	EDTA	No		LS1A04	1000	14872	41	LSM12		1.5 10446	49								
120	L	EDTA	No		LS1A04	500	14252	35												
136	C+L	None	No		LS1A04	1000	15142	39												
139	L	None			LS1A04	1000	15138	46												
142	L	EDTA	No		LS1A04	1000	15210	58												
143	L	None	No		LS1A04	1000	13521.39	94.49												
145	L	None	No		LS1A04	1000	12211	116												
147	C+L		No		LS1A04	1500	13407	65	LSM12	5	11721	55								
149					LSA1		20000	140-282												
157	L	EDTA	No		LS1A04	1000	18300	35												
159	C+L	None	No		LS1A04	1500	15656	91												
162	L	EDTA	No		LS1A04	1000	15400	44	LSM12	3	13548	39								
163	L	None	No		LS1A04	1500	12169	28												
164	L	None			LS1A04	2000	17194	72	LSM12	4	16696	117								
165	F+E+L	None			LS1A04	830	18115	67												
169	L	None	No		LS1A04	1000	7249	33												
181	L	None			LS1A04	500	12579	39												
185	L	EDTA	No		LSA1		19299	240	LM1		20509	156	LMX							
186	L	None	No		LS1A04	1000	910735	50	LSA1	1000	20217	177								
190	L	EDTA			LS1A04	1000	11414	33												
193	L	None	No		LS1A04	1000	13599	35												
194	C+L	DTT																		
195	L	None			LS1A04	1000	15900	90												
197	L	None																		
204	L	EDTA	No		LS1A04	1000	18471	67												
206	C+L	EDTA (only LS1)			LS1A04	1000	13837	41	LM1	3	19736	204								
209	C+L				LS1A04	500	16065	65												
210	No results received																			
218	L	Heat Inactivation			LSA1															
227	L	Dilution	No		LS1A04	500	17500	100												
232	L	None	No		LS1A04		11836	62												
235	L				LS1A04	1000	11256	34												
238	L				LSA1	5	20099	203	LM1	1000	21042	123								
243	L	None	No		LS1A04	1000	14798	34												
245	L	None	No	B*15:02	LS1A04	1000	13975	74												
262	L	None	No		LSA1	5	21460	224												
267	L	None	No		LSA1	500	16611													
268	C+L	None			LSA1	1500	19487	156/1938/155	LM1	1000	21118	164/163/910								
273	L	None	No		LS1A04	1000	14426	57												
277	L	None	No		LS1A04	500	12236	95												
284	C+L	EDTA			LS1A04	1000	12848	91	LSM12	3	7301	39								
292	L	None	No		LS1A04	500	15443	41	LSM12	2.5	10795	45								
293	NT - Luminex machine out of order																			
294	C+L	None			LSA1	4	19832													
297	L	EDTA	No		LS1A04	1500	15117	130												
301	L				LM1	50	19150													
303	L	EDTA	No		LS1A04	1000	12981	53												
309	L	None			LSA1	800	19417	121	LM1	1000	22000	254								
311	L	EDTA	No		LS1A04		1500	16292	64											
315	L	None			LS1A04	500	11538	72												
323	L	None	No		LS1A04	1000	13325	33	LSM12	5.5	9691	41								

Technique : C = CDC; E = ELISA; F = Flow cytometry; L = Luminex; O = Other

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CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 310/2015

DESPATCHED ON 23rd JUNE 2015

HLA specificity for assessment	A1			A203			A3			A23			A24			A2403			A34			A66			A11			A30			A31			A32		
Consensus	Absent			Absent			Present			Absent			Not Assessed			Absent			Absent			Absent			Not Assessed			Not Assessed			Not Assessed			Not Assessed		
% reported	3.8%			1.3%			87.2%			3.8%			6.4%			3.8%			1.3%			1.3%			28.2%			34.6%			67.9%			16.7%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9																																				
11							A3	L	< 2000																			A30	L	< 2000	A31	L	< 2000			
12																																				
14							A3	L	< 2000																						A31	L	< 2000			
15							A3	L	< 2000	A23	L	< 2000	A24	L	< 2000							A66	L	< 2000	A11	L	< 2000	A30	L	< 2000	A31	L	2000-5000			
19																																				
20							A3	L	< 2000																A11	L	< 2000	A30	L	< 2000	A31	L	< 2000	A32	L	< 2000
23							A3	L	2000-5000																											
24							A3	L	< 2000																											
25							A3	L	< 2000																			A30	L	< 2000	A31	L	< 2000			
26																															A31	L	< 2000			
28	A1	L	< 2000				A3	L	< 2000							A2403	L	< 2000							A11	L	< 2000	A30	L	< 2000	A31	L	< 2000	A32	L	< 2000
34							A3	L	< 2000																						A31	L	< 2000			
35							A3	L																				A30	L		A31	L				
38							A3	L	2000-5000																A11	L	< 2000	A30	L	< 2000	A31	L	< 2000			
39							A3	L	< 2000																						A31	L	< 2000			
41							A3	L	2000-5000																						A31	L	2000-5000			
42	A1	L	< 2000				A3	L	2000-5000							A2403	L	< 2000							A11	L	< 2000	A30	L	< 2000	A31	L	< 2000	A32	L	< 2000
45																															A31	L	< 2000			
48							A3	L	2000-5000																						A31	L	2000-5000			
51							A3	L	< 2000																			A30	L	< 2000	A31	L	2000-5000			
54							A3	L	2000-5000																A11	L	< 2000	A30	L	< 2000	A31	L	< 2000	A32	L	< 2000
58							A3	L	< 2000																						A31	L	< 2000			
62							A3	L	2000-5000																A11	L	< 2000	A30	L	< 2000	A31	L	2000-5000			
100							A3	L	< 2000																											
101							A3	L	< 2000																						A31	L	< 2000			
112							A3	L	< 2000				A24	L	< 2000										A11	L	< 2000	A30	L	< 2000	A31	L	< 2000	A32	L	< 2000
114							A3	L	< 2000																A11	L	< 2000	A30	L	< 2000	A31	L	< 2000			
116							A3	L	< 2000																											
117							A3	L	< 2000																A11	E+L	< 2000	A30	E+L	< 2000	A31	E+L	< 2000	A32	L	< 2000
119							A3	L	2000-5000																			A30	L	< 2000	A31	L	< 2000			
120							A3	L	< 2000																A11	L	< 2000	A30	L	< 2000	A31	L	< 2000	A32	L	< 2000
136							A3	L	< 2000																						A31	L	< 2000			
139							A3	L	< 2000																						A31	L	< 2000			
142							A3	L	< 2000																											
143							A3	L	2000-5000																											
145							A3	L	< 2000																						A31	L	< 2000			
147							A3	L	< 2000																			A30	L	< 2000	A31	L	< 2000			
149							A3	L	< 2000																											
157							A3	L	2000-5000																						A31	L	< 2000			
159							A3	L	< 2000																						A31	L	< 2000			
162							A3	L	< 2000																						A31	L	< 2000			
163																																				
164							A3	L	2000-5000																						A31	L	2000-5000			
165							A3	F+L											A34	F					A11	F+L		A30	F+L		A31	F+L				
169							A3	L	< 2000																									A32	L	< 2000
181							A3	L	< 2000																A11	L	< 2000	A30	L	< 2000	A31	L	< 2000	A32	L	< 2000
185							A3	L	< 2000																											
186							A3	L	< 2000																											
190							A3	L	< 2000																						A31	L	< 2000			
193							A3	L	< 2000																						A31	L	< 2000			
194							A3	L	< 2000																											
195							A3	L	< 2000																						A31	L	< 2000			
197	A1	L					A3	L					A24	L											A11	L										
204							A3	L	2000-5000																A11	L	< 2000	A30	L	< 2000	A31	L	< 2000			
206							A3	L	< 2000																						A31	L	< 2000			
209							A3	L	< 2000																A11	L	< 2000	A30	L	< 2000	A31	L	< 2000	A32	L	< 2000
210	No results received																																			
218																																				
227	NT Technical failure																																			
232							A3	L	< 2000																A11	L	< 2000	A30	L	< 2000	A31	L	2000-5000	A32	L	< 2000
235							A3	L																							A31	L				
238							A3	L	< 2000																											
243							A3	L	< 2000																						A31	L	< 2000			
245							A3	L	2000-5000																A11	L	< 2000	A30	L	< 2000	A31	L	2000-5000	A32	L	< 2000
262							A3	L	< 2000	A23	L	< 2000	A24	L	< 2000																					
267				A203	L	2000-5000				A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000																		
268																																				
273							A3	L	< 2000																A11	L	< 2000	A30	L	< 2000	A31	L	< 2000			
277							A3	L	< 2000																A11	L	< 2000	A30	L	< 2000	A31	L	< 2000	A32	L	< 2000
284							A3	L	< 2000																											
292							A3	L	< 2000																A11	L	< 2000	A30	L	< 2000	A31	L	< 2000			
293	NT - Luminex machine out of order																																			
294							A3	L	< 2000																											
297							A3	L	2000-5000																						A31	L	< 2000			
301							A3	L	< 2000																											
303							A3	L	< 2000																						A31	L	< 2000			
309							A3	L	< 2000																											
311							A3	L	< 2000																						A31	L	< 2000			
315							A3	L	< 2000																A11	L	< 2000	A30	L	< 2000	A31	L	< 2000			
323																															A31	L	< 2000			
Technique : C = CDC; E = ELISA; F = Flow cytometry; L = Luminex; O = Other																																				
No. Reporting Spec	3	< 2000		1	< 2000		68	< 2000		3	< 2000		5	< 2000		3	< 2000		1	< 2000		1	< 2000		22	< 2000		27	< 2000		53	< 2000		13	< 2000	
Total participants	78	2		78	0		78	50		78	3		78	4		78	3		78	0		78	1		78	20		78	25		78	42		78	13	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		0			1			14			0			0			0			0			0			0			0			8			0	
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0			0			0			0			0			0			0			0			0			0			0			0	

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HLA specificity for assessment

Consensus	A74			A68			A36			A80			B51			B7			B703			B8			B44			B13			B64			B63		
	Not Assessed			Absent			Not Assessed			Not Assessed			Absent			Present			Absent			Not Assessed			Absent			Present			Absent			Absent		
% reported	17.9%			1.3%			29.5%			15.4%			1.3%			78.2%			1.3%			66.7%			1.3%			92.3%			3.8%			1.3%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9																																				
11																B7	L	< 2000				B8	L	< 2000				B13	L	< 2000						
12																						B8	L	2000-5000				B13	L	2000-5000						
14																B7	L	< 2000				B8	L	2000-5000				B13	L	2000-5000						
15							A36	L	< 2000	A80	L	< 2000				B7	L	< 2000				B8	L	2000-5000				B13	L	2000-5000						
19																						B8	L	< 2000												
20	A74	L	< 2000				A36	L	< 2000	A80	L	< 2000				B7	L	< 2000				B8	L	2000-5000				B13	L	2000-5000						
23																B7	L	< 2000										B13	L	2000-5000						
24																						B8	L	< 2000				B13	L	< 2000						
25																B7	L	< 2000				B8	L	2000-5000				B13	L	2000-5000						
26																						B8	L	2000-5000				B13	L	< 2000						
28	A74	L	< 2000	A68	L		A36	L	< 2000	A80	L	< 2000				B7	L	< 2000				B8	L	2000-5000				B13	L	2000-5000	B64	L	< 2000	B63	L	< 2000
34																B7	L	< 2000				B8	L	2000-5000				B13	L	< 2000						
35																B7	L					B8	L					B13	L							
38							A36	L	< 2000							B7	L	2000-5000	B703	L	2000-5000							B13	L	2000-5000						
39																B7	L	< 2000				B8	L	2000-5000				B13	L	< 2000						
41																B7	L	2000-5000										B13	L	2000-5000						
42	A74	L	< 2000				A36	L	< 2000	A80	L	< 2000				B7	L	< 2000				B8	L	2000-5000				B13	L	2000-5000	B64	L	< 2000			
45																						B8	L	2000-5000				B13	L	< 2000						
48																B7	L	2000-5000										B13	L	2000-5000						
51																B7	L	< 2000				B8	L	2000-5000				B13	L	2000-5000						
54	A74	L	< 2000				A36	L	< 2000	A80	L	< 2000				B7	L	< 2000				B8	L	< 2000				B13	L	2000-5000						
58																B7	L	< 2000				B8	L	2000-5000				B13	L	< 2000						
62							A36	L	< 2000	A80	L	< 2000				B7	L	< 2000				B8	L	> 5000				B13	L	2000-5000						
100																																				
101																B7	L	< 2000				B8	L	< 2000				B13	L	2000-5000						
112	A74	L	< 2000				A36	L	< 2000	A80	L	< 2000				B7	L	< 2000				B8	L	< 2000				B13	L	< 2000						
114							A36	L	< 2000	A80	L	< 2000				B7	L	< 2000				B8	L	2000-5000				B13	L	2000-5000						
116																B7	L	< 2000				B8	L	< 2000				B13	L	< 2000						
117	A74	E+L	< 2000				A36	L	< 2000	A80	L	< 2000				B7	E+L	< 2000				B8	L	2000-5000				B13	E+L	< 2000						
119																B7	L	2000-5000				B8	L	< 2000				B13	L	2000-5000						
120	A74	L	< 2000				A36	L	< 2000							B7	L	< 2000				B8	L	< 2000				B13	L	< 2000						
136																B7	C+L	< 2000										B13	L	2000-5000						
139																B7	L	< 2000				B8	L	< 2000				B13	L	2000-5000						
142																B7	L	< 2000				B8	L	< 2000				B13	L	2000-5000						
143																B7	L	< 2000										B13	L	2000-5000						
145																B7	L	< 2000										B13	L	< 2000/2000-5000						
147																B7	L	< 2000				B8	L	2000-5000				B13	L	2000-5000						
149																B7	L	< 2000										B13	L	< 2000						
157																B7	L	< 2000										B13	L	2000-5000						
159																						B8	L	2000-5000				B13	L	2000-5000						
162																B7	L	< 2000										B13	L	2000-5000						
163																						B8	L	< 2000				B13	L	< 2000						
164																B7	L	2000-5000				B8	L	2000-5000				B13	L							
165							A36	F+L		A80	F+L					B7	F+L					B8	F+L					B13	F+L							
169																												B13	L	< 2000	B64	L	2000-5000			
181	A74	L	< 2000				A36	L	< 2000							B7	L	< 2000				B8	L	2000-5000				B13	L	< 2000						
185																B7	L	< 2000										B13	L	< 2000						
186																						B8	L	< 2000				B13	L	< 2000						
190																B7	L	< 2000				B8	L	< 2000				B13	L	2000-5000						
193																B7	L	< 2000				B8	L	< 2000				B13	L	< 2000						
194																B7	L	< 2000				B8	L	2000-5000				B13	L	2000-5000						
195																B7	L	< 2000				B8	L	2000-5000				B13	L	< 2000						
197							A36	L								B7	L											B13	L							
204	A74	L	< 2000				A36	L	< 2000							B7	L	< 2000				B8	L	2000-5000				B13	L	2000-5000						
206																B7	L	< 2000				B8	L	< 2000				B13	L	< 2000						
209	A74	L	< 2000				A36	L	< 2000	A80	L	< 2000				B7	L	< 2000				B8	L	< 2000				B13	L	2000-5000						
210																																				
218																																				
227																																				
232	A74	L	< 2000				A36	L	< 2000							B7	L	< 2000				B8	L	2000-5000				B13	L	2000-5000						
235																B7	L											B13	L							
238																B7	L	< 2000										B13	L	< 2000						
243																B7	L	< 2000										B13	L	< 2000						
245	A74	L	< 2000				A36	L	< 2000	A80	L	< 2000				B7	L	2000-5000				B8	L	2000-5000				B13	L	2000-5000						
262																												B13	L	< 2000						
267																																				
268																																				
273							A36	L	< 2000							B7	L	< 2000				B8	L	2000-5000				B13	L	2000-5000						
277	A74	L	< 2000				A36	L	< 2000							B7	L	< 2000				B8	L	< 2000				B13	L	2000-5000						
284																B7	L	< 2000										B13	L	2000-5000						
292	A74	L	< 2000				A36	L	< 2000							B7	L	< 2000				B8	L	< 2000				B13	L	< 2000						
293																																				
294																B7	L	< 2000										B13	L	< 2000						
297																B7	L	< 2000				B8	L	2000-5000				B13	L	2000-5000						
301							A36	L	< 2000				B51	L	< 2000	B7	L	< 2000							B44	L	< 2000	B13	L	< 2000						
303																B7	L	< 2000				B8	L	< 2000				B13	L	2000-5000						
309																B7	L	< 2000										B13	L	< 2000						
311																						B8	L	2000-5000				B13	L	2000-5000						
315							A36	L	< 2000							B7	L	< 2000				B8	L	< 2000				B13	L	2000-5000						
323																						B8	L	2000-5000				B13	L	< 2000						

Technique : C = CDC; E = ELISA; F = Flow cytometry; L = Luminex; O = Other

No. Reporting S	14	< 2000		1	< 2000		23	< 2000		12	< 2000		1	< 2000		61	< 2000		1	< 2000		52	< 2000		1	< 2000		72	< 2000		3	< 2000		1	< 2000	
Total participant	78	14		78	0		78	21		78	11		78	1		78	51		78	0		78	21		78	1		78	28		78	2		78	1	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		0			0			0			0			0			6			1			28			0			38			1			0	
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0			0			0			0			0			0			0			1			0			0			0			0	

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UK NEQAS for H&I - SCHEME 3 - HLA ANTIBODY SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 310/2015

DESPATCHED ON 23rd JUNE 2015

HLA specificity for assessment

	B57			B18			B54			B55			B56			B27			B2708			B35			B37			B60			B61			B41		
Consensus	Absent			Absent			Absent			Not Assessed			Not Assessed			Not Assessed			Not Assessed			Absent			Not Assessed			Not Assessed			Not Assessed			Absent		
% reported	1.3%			2.6%			1.3%			9.0%			5.1%			20.5%			11.5%			1.3%			6.4%			15.4%			34.6%			2.6%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9																																				
11																																				
12																																				
14																																				
15																									B37	L	2000-5000				B61	L	< 2000			
19																																				
20										B55	L	< 2000				B27	L	< 2000	B2708	L	< 2000							B60	L	< 2000	B61	L	< 2000			
23																																				
24																																				
25																																				
26																																				
28				B18	L	< 2000				B55	L	< 2000	B56	L	< 2000	B27	L	< 2000	B2708	L	< 2000				B37	L	< 2000	B60	L	< 2000	B61	L	< 2000	B41	L	< 2000
34																															B61	L	< 2000			
35																															B61	L				
38																B27	L	< 2000	B2708	L	< 2000							B60	L	< 2000	B61	L	< 2000			
39																																				
41																																				
42				B18	L	< 2000				B55	L	< 2000	B56	L	< 2000	B27	L	< 2000	B2708	L	< 2000				B37	L	< 2000	B60	L	< 2000	B61	L	< 2000	B41	L	< 2000
45																																				
48																																				
51																																				
54										B55	L	< 2000				B27	L	< 2000	B2708	L	< 2000							B60	L	< 2000	B61	L	< 2000			
58																																				
62																															B61	L	< 2000			
100																																				
101																																				
112										B55	L	< 2000				B27	L	< 2000	B2708	L	< 2000										B61	L	< 2000			
114																															B61	L	< 2000			
116																																				
117																B27	L	< 2000	B2708	L	< 2000							B60	E+L	< 2000	B61	E+L	< 2000			
119																															B61	L	< 2000			
120																															B61	L	< 2000			
136																																				
139																																				
142																																				
143																																				
145																															B61	L	< 2000			
147																																				
149																																				
157																																				
159																																				
162																																				
163																																				
164																																				
165																B27	F+L											B60	F+E+L		B61	F+E+L				
169																																				
181																B27	L	< 2000													B61	L	< 2000			
185																																				
186																																				
190																																				
193																																				
194																																				
195																																				
197																B27	L											B60	L		B61	L				
204																															B61	L	< 2000			
206																																				
209										B55	L	< 2000				B27	L	< 2000										B60	L	< 2000	B61	L	< 2000			
210																																				
218																																				
227																																				
232																B27	L	< 2000										B60	L	< 2000	B61	L	< 2000			
235																																				
238																																				
243																																				
245										B55	L	< 2000				B27	L	< 2000	B2708	L	< 2000							B60	L	< 2000	B61	L	< 2000			
262																																				
267							B54	L	2000-5000				B56	L	< 2000							B35	L	< 2000	B37	L	< 2000									
268																																				
273																B27	L	< 2000	B2708	L	< 2000										B61	L	< 2000			
277																B27	L	< 2000													B61	L	< 2000			
284																																				
292																															B61	L	< 2000			
293																																				
294																																				
297																																				
301	B57	L	< 2000										B56	L	< 2000	B27	L	< 2000							B37	L	< 2000	B60	L	< 2000	B61	L	< 2000			
303																																				
309																																				
311																																				
315																															B61	L	< 2000			
323																																				

Technique : C = CDC; E = ELISA; F = Flow cytometry; L = Luminex; O = Other

No. Reporting S	1	< 2000		2	< 2000		1	< 2000		7	< 2000		4	< 2000		16	< 2000		9	< 2000		1	< 2000		5	< 2000		12	< 2000		27	< 2000		2	< 2000	
Total participant	78	1		78	2		78	0		78	7		78	4		78	14		78	9		78	1		78	4		78	10		78	24		78	2	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		0			0			1			0			0			0			0			0			1			0			0			0	
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0			0			0			0			0			0			0			0			0			0			0			0	

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UK NEQAS for H&I - SCHEME 3 - HLA ANTIBODY SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 310/2015

DESPATCHED ON 23rd JUNE 2015

HLA specificity for assessment

	B42			B46			B47			B48			B59			B67			B73			B78			B81			Cw2			Cw9			Cw10		
Consensus	Not Assessed			Absent			Not Assessed			Absent			Absent			Not Assessed			Absent			Absent			Not Assessed			Not Assessed			Not Assessed			Not Assessed		
% reported	11.5%			2.6%			10.3%			3.8%			1.3%			23.1%			1.3%			2.6%			34.6%			19.2%			21.8%			25.6%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9																																				
11																																				
12																																				
14																																				
15																B67	L	< 2000							B81	L	< 2000	Cw2	L	< 2000	Cw9	L	< 2000	Cw10	L	< 2000
19																																				
20							B47	L	< 2000							B67	L	< 2000							B81	L	< 2000	Cw2	L	< 2000	Cw9	L	< 2000	Cw10	L	< 2000
23																									B81	L	< 2000									
24																																				
25																																				
26																																				
28	B42	L	< 2000	B46	L	< 2000	B47	L	< 2000	B48	L	< 2000				B67	L	< 2000	B73	L	< 2000	B78	L	< 2000	B81	L	< 2000	Cw2	L	< 2000				Cw10	L	< 2000
34																															Cw9	L	< 2000	Cw10	L	< 2000
35																									B81	L										
38	B42	L	< 2000													B67	L	< 2000							B81	L	< 2000				Cw9	L	< 2000	Cw10	L	< 2000
39																																				
41																																				
42	B42	L	< 2000	B46	L	< 2000	B47	L	< 2000	B48	L	< 2000				B67	L	< 2000				B78	L	< 2000	B81	L	< 2000	Cw2	L	< 2000	Cw9	L	< 2000	Cw10	L	< 2000
45																																				
48																																				
51																																				
54	B42	L	< 2000				B47	L	< 2000							B67	L	< 2000							B81	L	< 2000	Cw2	L	< 2000	Cw9	L	< 2000	Cw10	L	< 2000
58																																				
62																B67	L	< 2000							B81	L	< 2000	Cw2	L	< 2000	Cw9	L	< 2000	Cw10	L	< 2000
100																																				
101																																				
112	B42	L	< 2000													B67	L	< 2000							B81	L	< 2000							Cw10	L	< 2000
114																									B81	L	< 2000	Cw2	L	< 2000				Cw10	L	< 2000
116																																				
117							B47	E+L	< 2000							B67	E+L	< 2000							B81	E+L	< 2000	Cw2	E+L	< 2000	Cw9	L	< 2000	Cw10	L	< 2000
119																									B81	L	< 2000									
120																B67	L	< 2000							B81	L	< 2000							Cw10	L	< 2000
136																																				
139																																				
142																																				
143																																				
145																									B81	L	< 2000									
147																																				
149																																				
157																																				
159																																				
162																																				
163																																				
164																																				
165																									B81	F+E+L		Cw2	F+L		Cw9	F+L		Cw10	F+L	
169																																				
181																B67	L	< 2000							B81	L	< 2000	Cw2	L	< 2000	Cw9	L	< 2000	Cw10	L	< 2000
185																																				
186																																				
190																																				
193																																				
194																																				
195																																				
197	B42	L								B48	L					B67	L								B81	L										
204																B67	L	< 2000							B81	L	< 2000									
206																																				
209	B42	L	< 2000				B47	L	< 2000							B67	L	< 2000							B81	L	< 2000	Cw2	L	< 2000	Cw9	L	< 2000	Cw10	L	< 2000
210																																				
218																																				
227																																				
232																B67	L	< 2000							B81	L	< 2000	Cw2	L	< 2000	Cw9	L	< 2000	Cw10	L	< 2000
235																																				
238																																				
243																																				
245	B42	L	< 2000				B47	L	< 2000							B67	L	< 2000							B81	L	< 2000	Cw2	L	< 2000	Cw9	L	< 2000	Cw10	L	< 2000
262																																				
267																									B81	L	2000-5000									
268																																				
273																									B81	L	< 2000				Cw9	L	< 2000			
277	B42	L	< 2000													B67	L	< 2000							B81	L	< 2000	Cw2	L	< 2000	Cw9	L	< 2000	Cw10	L	< 2000
284																																				
292																B67	L	< 2000							B81	L	< 2000				Cw9	L	< 2000	Cw10	L	< 2000
293																																				
294																																				
297																																				
301							B47	L	< 2000				B59	L	< 2000																					
303																																				
309																																				
311																																				
315																									B81	L	< 2000	Cw2	L	< 2000	Cw9	L	< 2000	Cw10	L	< 2000
323																																				

Technique : C = CDC; E = ELISA; F = Flow cytometry; L = Luminex; O = Other

No. Reporting S	9	< 2000		2	< 2000		8	< 2000		3	< 2000		1	< 2000		18	< 2000		1	< 2000		2	< 2000		27	< 2000		15	< 2000		17	< 2000		20	< 2000	
Total participant	78	8		78	2		78	8		78	2		78	1		78	17		78	1		78	2		78	23		78	14		78	16		78	19	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		0			0			0			0			0			0			0			0			1			0			0			0	
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0			0			0			0			0			0			0			0			0			0			0			0	

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UK NEQAS for H&I - SCHEME 3 - HLA ANTIBODY SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 310/2015

DESPATCHED ON 23rd JUNE 2015

HLA specificity for assessment

	Cw4			Cw5			Cw6			Cw7			Cw8			Cw12			Cw14			Cw15			Cw16			Cw17			Cw18		
Consensus	Absent			Not Assessed			Not Assessed			Not Assessed			Not Assessed			Not Assessed			Absent			Absent			Not Assessed			Not Assessed			Not Assessed		
% reported	3.8%			25.6%			11.5%			15.4%			6.4%			5.1%			1.3%			2.6%			17.9%			23.1%			16.7%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9																																	
11																																	
12																																	
14																																	
15	Cw4	L	< 2000	Cw5	L	< 2000	Cw6	L	< 2000	Cw7	L	< 2000													Cw16	L	< 2000	Cw17	L	2000-5000	Cw18	L	< 2000
19																																	
20				Cw5	L	< 2000	Cw6	L	< 2000	Cw7	L	< 2000	Cw8	L	< 2000	Cw12	L	< 2000							Cw16	L	< 2000	Cw17	L	< 2000	Cw18	L	< 2000
23																																	
24																																	
25																																	
26																																	
28				Cw5	L	< 2000																			Cw16	L	< 2000	Cw17	L	< 2000	Cw18	L	< 2000
34				Cw5	L	< 2000				Cw7	L	< 2000													Cw16	L	< 2000						
35																																	
38																																	
39																																	
41																																	
42	Cw4	L	< 2000	Cw5	L	< 2000	Cw6	L	< 2000	Cw7	L	< 2000	Cw8	L	< 2000	Cw12	L	< 2000	Cw14	L	< 2000	Cw15	L	< 2000	Cw16	L	< 2000	Cw17	L	< 2000	Cw18	L	< 2000
45																																	
48																																	
51																																	
54				Cw5	L	< 2000				Cw7	L	< 2000													Cw16	L	< 2000	Cw17	L	< 2000	Cw18	L	< 2000
58																																	
62				Cw5	L	< 2000	Cw6	L	< 2000	Cw7	L	< 2000													Cw16	L	< 2000	Cw17	L	< 2000	Cw18	L	< 2000
100																																	
101																																	
112				Cw5	L	< 2000																						Cw17	L	< 2000			
114				Cw5	L	< 2000																			Cw16	L	< 2000	Cw17	L	< 2000	Cw18	L	< 2000
116																																	
117				Cw5	E+L	< 2000	Cw6	L	< 2000	Cw7	L	< 2000	Cw8	L	< 2000	Cw12	L	< 2000							Cw16	L	< 2000	Cw17	L	< 2000	Cw18	L	< 2000
119																																	
120				Cw5	L	< 2000																											
136																												Cw17	L	< 2000			
139																																	
142																																	
143																																	
145																																	
147																																	
149																																	
157																																	
159																																	
162																																	
163																																	
164																																	
165				Cw5	F+L		Cw6	F+L		Cw7	F+L														Cw16	F+L					Cw18	F+E+L	
169																																	
181				Cw5	L	< 2000				Cw7	L	< 2000													Cw16	L	< 2000	Cw17	L	< 2000	Cw18	L	< 2000
185																																	
186																																	
190																												Cw17	L	< 2000			
193																																	
194				Cw5	L	< 2000																						Cw17	L	< 2000			
195																																	
197																																	
204																																	
206																																	
209				Cw5	L	< 2000	Cw6	L	< 2000	Cw7	L	< 2000	Cw8	L	< 2000	Cw12	L	< 2000							Cw16	L	< 2000	Cw17	L	< 2000	Cw18	L	< 2000
210																																	
218																																	
227																																	
232				Cw5	L	< 2000	Cw6	L	< 2000	Cw7	L	< 2000													Cw16	L	< 2000	Cw17	L	< 2000	Cw18	L	< 2000
235																																	
238																																	
243																																	
245				Cw5	L	< 2000	Cw6	L	< 2000	Cw7	L	< 2000	Cw8	L	< 2000							Cw15	L	< 2000	Cw16	L	< 2000	Cw17	L	< 2000	Cw18	L	< 2000
262																																	
267	Cw4	L	< 2000																														
268																																	
273																																	
277				Cw5	L	< 2000																						Cw17	L	< 2000			
284																																	
292																																	
293																																	
294																																	
297																																	
301				Cw5	L	< 2000																											
303																																	
309																																	
311																																	
315				Cw5	L	< 2000																						Cw17	L	<2000			
323																																	

Technique : C = CDC; E = ELISA; F = Flow cytometry; L = Luminex; O = Other

No. Reporting S	3	< 2000		20	< 2000		9	< 2000		12	< 2000		5	< 2000		4	< 2000		1	< 2000		2	< 2000		14	< 2000		18	< 2000		13	< 2000	
Total participant	78	3		78	19		78	8		78	11		78	5		78	4		78	1		78	2		78	13		78	16		78	12	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		0			0			0			0			0			0			0			0			0			1			0	
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0			0			0			0			0			0			0			0			0			0			0	

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UK NEQAS for H&I - SCHEME 3 - HLA ANTIBODY SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 310/2015

DESPATCHED ON 23rd JUNE 2015

Lab no.	Techniques used IgG	Sample Treatment IgG	High Background	Allele Specific Antibodies IgG	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative
9	L	Dilution	Yes		LS1A04		600	15250	75											
11	L	None	No		LS1A04	1000	11462	52	LSM12	2.5	6793	11								
12	L	EDTA	No		LS1A04	500	13939	46												
14	L	EDTA			LS1A04		1500	17237	17 LSM12	2	16034	26								
15	L	EDTA	No	A*66:02, 11:01	LS1A04	1000	18699	28												
19	L	None	No		LS1A04	1000	15810	19												
20	C+L	EDTA	No	A*11:01	LS1A04	500	14433	38												
23	L	None			LS1A04	1000	15694	25.29												
24	L	EDTA	No		LS1A04	1000	14870	27	LS1PRA	1000	14632	33	LSA1	Default	16413	258	LMX	Default	15182	47
25	L	EDTA/ BSA treated	Yes		LS1A04	1000	18570	27	LSA1	1500	20799	91								
26	L	EDTA			LS1A04	1000	20520	24												
28	L	None	No		LS1A04	500	15719	28												
34	L	EDTA		B*40:06	LS1A04	574	17860	14												
35	C+L	None	No		LS1A04	1000	10739	31	LS1PRA	1000	12748	60								
38	L	EDTA			LS1A04	1000	13875	48	LSA1	570	21547	248								
39	L	EDTA	No		LS1A04	1100	16873	29												
41	L	None	No		LS1A04	2000	12518	61												
42	C+L	EDTA			LS1A04	500	13109	73	LSM12	4.5	8666	39								
45	L	EDTA	No		LS1A04	1500	16789	17												
48	L	Heat Inactivation																		
51	L	EDTA	No		LS1A04	1300	16288	57												
54	L	None	No		LS1A04	1000	14182	73												
58	L	EDTA	No		LS1A04	1000	15389	52	LSM12	2.5-3	8377	26	LMX		19721					
62	L	None	No	A*11:01	LS1A04	1000	18929	106												
100	L	None	No		LM1	465	19517	252	LSA1	405	17041	288								
101	L	None			LS1A04	1000	11800	35												
112	L	None	No	B*07:02	LS1A04	500	13122	23	LSA1	500	18592	231/248/559								
114	L	None		A*11:01	LS1A04	1000	18935	27												
116	C+L	None	No		LS1A04		16304	21	LSM12		10308	49								
117	E+L	None	No	A*11:01	LS1A04	500	16462	39												
119	L	EDTA	No	A*30:01	LS1A04	1000	16203	42	LSM12	1.5	9044	32								
120	L	EDTA	No	A*11:01; C*03:04	LS1A04	500	12978	44												
136	C+L	None	No		LS1A04	1000	13766	24												
139	L	None			LS1A04	1000	14463	41												
142	L	EDTA	No		LS1A04	1000	15309	46												
143	L	None	No	B*13:02	LS1A04	1000	14422.9	54.07												
145	L	None	No	B*40:06	LS1A04	1000	14717	35												
147	C+L		No		LS1A04	1500	13663	65	LSM12	5	3790	21								
149					LSA1		20000	140-282												
157	L	EDTA	No		LS1A04	1000	16400	36												
159	C+L	None	No		LS1A04	1500	7946	31												
162	L	EDTA	No		LS1A04	1000	15800	40	LSM12	3	17880	65								
163	L	None	No		LS1A04	1500	10944	34												
164	L	None			LS1A04	2000	17408	57	LSM12	4	16547	53								
165	F+E+L	None			LS1A04	621	17032	42												
169	L	None	No		LS1A04	1000	5201	17												
181	L	None			LS1A04	500	9788	31												
185	L	EDTA	No		LSA1		18405	191	LM1		19468	404	LMX							
186	L	None	No		LS1A04	1000	10923	56	LSA1	1000	20102	285								
190	L	EDTA			LS1A04	1000	14381	59												
193	L	None	No		LS1A04	1000	13185	44												
194	C+L	DTT																		
195	L	None			LS1A04	1000	15800	80												
197	L	None																		
204	L	EDTA	No	A*11:01, B*40:06	LS1A04	1000	14287	35												
206	C+L	EDTA (only LS1)			LS1A04	1000	13825	33	LM1	3	19267	338								
209	C+L		No		LS1A04	500	16175	70												
210	No results received																			
218	L	Heat Inactivation			LSA1															
227	NT - technical failure																			
232	L	None	No		LS1A04		12381	54												
235	L				LS1A04	1000	12073	21												
238	L				LSA1	5	20823	407	LM1	1000	21222	298								
243	L	None	No		LS1A04	1000	13729	27												
245	L	None			LS1A04	1000/500	15920	80												
262	L	None	No		LSA1	5	20704	284												
267	L	None	No		LSA1	500	16817													
268	C+L	None			LSA1	1500	19302	135/138/1164	LM1	1000	21146	280/162/117								
273	L	None	No	A*11:01, B*27:05	LS1A04	1007	14745	64												
277	L	None	No	A*11:01	LS1A04	500	11970	25												
284	C+L	EDTA			LS1A04	1000	13495	48	LSM12	3	7168	21								
292	L	None	No	A*11:01	LS1A04	500	14831	31	LSM12	2.5	10082	20								
293	NT - Luminex machine out of order																			
294	C+L	None			LSA1	4	21870													
297	L	EDTA	No		LS1A04	1500	14729	57												
301	L	None			LM1	50	21785													
303	L	EDTA	No		LS1A04	1000	12781	44												
309	L	None			LSA1	500	19200	299	LM1	600	20800	365								
311	L	EDTA			LS1A04		1500	14440	47											
315	L	None			LS1A04	500	8846	63												
323	L	Dilution	Yes		LS1A04	1000	13169	29	LSM12	5.5	7979	24								

Technique : C = CDC; E = ELISA; F = Flow cytometry; L = Luminex; O = Other

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