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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 306/2017

DESPATCHED ON 13TH JUNE 2017

HLA specificity for assessment	A1			A3			A23			A24		
Consensus	Absent			Not Assessed			Not Assessed			Not Assessed		
% reported	1.4%			67.1%			7.1%			7.1%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9				A3	L	2000-5000						
11				A3	L	< 2000						
12				A3	L	2000-5000						
14				A3	L	< 2000						
15				A3	L	< 2000						
19				A3	L	2000-5000	A23	L	< 2000			
20												
23				A3	L	2000-5000						
24				A3	L	< 2000						
25				A3	L	< 2000						
26												
28				A3	L	< 2000						
34												
35												
38				A3	L	< 2000						
39												
41				A3	L	2000-5000						
42				A3	L	< 2000						
45												
48				A3	L	2000-5000						
51				A3	L	2000-5000						
54				A3	L	2000-5000						
58				A3	L	< 2000						
62				A3	L	< 2000						
100							A23	L	< 2000	A24	L	< 2000
112										A24	L	< 2000
114				A3	L	< 2000						
116				A3	L	< 2000						
117				A3	L	< 2000						
119				A3	L	2000-5000						
120				A3	L	< 2000						
133							A23	L	< 2000	A24	L	< 2000
136				A3	L	2000-5000						
142				A3	L	< 2000						
143				A3	L	2000-5000						
145				A3	L	< 2000						
147				A3	L	2000-5000						
149												
157				A3	L	< 2000						
160				A3	L	< 2000						
162				A3	L	< 2000						
164				A3	L	2000-5000						
165												
169				A3	L	< 2000						
181				A3	L	< 2000						
185				A3	L	< 2000						
195				A3	L	< 2000						
197												
204												
206				A3	L	< 2000						
209				A3	L	< 2000						
214												
216												
218							A23	L	< 2000	A24	L	2000-5000
222	A1	F		A3	F		A23	F		A24	F	
227				A3	L	2000-5000						
229												
232												
239												
242				A3	L	2000-5000						
252												
267												
268												
273												
277				A3	L	< 2000						
284				A3	L	< 2000						
293				A3	L	< 2000						
302				A3	L	< 2000						
303				A3	L	< 2000						
309												
351				A3	L	< 2000						
361												

HLA specificity for assessment	A2403			A66			A11			A30		
Consensus	Absent			Absent			Absent			Not Assessed		
% reported	4.3%			1.4%			1.4%			71.4%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9										A30	L	2000-5000
11										A30	L	< 2000
12										A30	L	2000-5000
14										A30	L	2000-5000
15										A30	L	2000-5000
19										A30	L	2000-5000
20										A30	L	2000-5000
23										A30	L	< 2000
24										A30	L	< 2000
25										A30	L	< 2000
26										A30	L	< 2000
28										A30	L	< 2000
34										A30	L	< 2000
35												
38										A30	L	< 2000
39										A30	L	< 2000
41												
42										A30	L	< 2000
45										A30	L	< 2000
48										A30	L	2000-5000
51										A30	L	2000-5000
54										A30	L	< 2000
58										A30	L	< 2000
62										A30	L	< 2000
100	A2403	L	< 2000									
112												
114										A30	L	< 2000
116										A30	L	< 2000
117										A30	L	< 2000
119										A30	L	2000-5000
120										A30	L	< 2000
133	A2403	L	< 2000									
136										A30	L	2000-5000
142										A30	L	< 2000
143										A30	L	< 2000
145										A30	L	< 2000
147										A30	L	2000-5000
149												
157										A30	L	< 2000
160										A30	L	< 2000
162										A30	L	< 2000
164										A30	L	< 2000
165												
169										A30	L	< 2000
181										A30	L	< 2000
185												
195										A30	L	< 2000
197												
204												
206										A30	L	< 2000
209										A30	L	< 2000
214												
216												
218	A2403	L	< 2000									
222				A66	F		A11	F		A30	F	
227										A30	L	2000-5000
229												
232										A30	L	< 2000
239												
242										A30	L	2000-5000
252												
267												
268												
273												
277										A30	L	< 2000
284										A30	L	< 2000
293										A30	L	< 2000
302												
303										A30	L	< 2000
309												
351										A30	L	2000-5000
361												

HLA specificity for assessment	A31			A32			A33			A74		
Consensus	Present			Not Assessed			Absent			Not Assessed		
% reported	75.7%			8.6%			1.4%			8.6%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9	A31	L	2000-5000									
11	A31	L	< 2000									
12	A31	L	2000-5000									
14	A31	L	2000-5000									
15	A31	L	2000-5000									
19	A31	L	2000-5000/> 5000									
20	A31	L	2000-5000									
23	A31	L	2000-5000							A74	L	< 2000
24	A31	L	2000-5000									
25	A31	L	2000-5000									
26	A31	L	< 2000									
28	A31	L	2000-5000									
34	A31	L	2000-5000									
35												
38	A31	L	2000-5000									
39	A31	L	< 2000									
41	A31	L	2000-5000									
42	A31	L	< 2000									
45	A31	L	2000-5000									
48	A31	L	> 5000									
51	A31	L	2000-5000									
54	A31	L	2000-5000	A32	L	< 2000				A74	L	< 2000
58	A31	L	2000-5000									
62	A31	L	2000-5000									
100												
112												
114	A31	L	2000-5000									
116	A31	L	2000-5000									
117	A31	L	2000-5000									
119	A31	L	2000-5000	A32	L	< 2000				A74	L	< 2000
120	A31	L	< 2000									
133												
136	A31	L	2000-5000	A32	L	< 2000						
142	A31	L	< 2000									
143	A31	L	2000-5000									
145	A31	L	2000-5000									
147	A31	L	2000-5000									
149	A31	L	2000-5000									
157	A31	L	2000-5000									
160	A31	L	2000-5000									
162	A31	L	2000-5000									
164	A31	L	2000-5000									
165												
169	A31	L	2000-5000									
181	A31	L	< 2000									
185												
195	A31	L	2000-5000									
197												
204												
206	A31	L	< 2000									
209	A31	L	2000-5000	A32	L	< 2000				A74	L	< 2000
214												
216												
218												
222	A31	F		A32	F		A33	F		A74	F	
227	A31	L	2000-5000							A74	L	< 2000
229												
232	A31	L	< 2000									
239												
242	A31	L	2000-5000									
252												
267												
268												
273	A31	L	2000-5000									
277	A31	L	< 2000									
284	A31	L	2000-5000									
293	A31	L	< 2000									
302				A32	L	< 2000						
303	A31	L	2000-5000									
309												
351	A31	L	2000-5000									
361												

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

	A1		A3		A23		A24		A2403		A66		A11		A30		A31		A32		A33		A74		
Number	1	< 2000	47	< 2000	5	< 2000	5	< 2000	3	< 2000	1	< 2000	1	< 2000	50	< 2000	53	< 2000	6	< 2000	1	< 2000	6	< 2000	lumber
Total number	70	0	70	31	70	4	70	3	70	3	70	0	70	0	70	35	70	11	70	5	70	0	70	5	'otal nu
		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		15		0		1		0		0		0		14		39		0		0		0	
		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000	
		0		0		0		0		0		0		0		0		2		0		0		0	

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HLA specificity for assessment	A69			A36			A80			B51			B52			B7			B8		
Consensus	Absent			Not Assessed			Absent			Absent			Absent			Not Assessed			Not Assessed		
% reported	1.4%			15.7%			1.4%			1.4%			1.4%			61.4%			58.6%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9																B7	L	< 2000	B8	L	< 2000
11																B7	L	< 2000			
12																B7	L	2000-5000	B8	L	> 5000
14																B7	L	< 2000	B8	L	2000-5000
15																B7	L	< 2000	B8	L	2000-5000
19				A36	L	< 2000										B7	L	2000-5000	B8	L	2000-5000/> 5000
20																			B8	L	2000-5000
23				A36	L	< 2000										B7	L	< 2000			
24																B7	L	< 2000	B8	L	< 2000
25																			B8	L	2000-5000
26																			B8	L	2000-5000
28				A36	L	< 2000										B7	L	< 2000	B8	L	2000-5000
34																			B8	L	2000-5000
35																					
38																B7	L	< 2000	B8	L	2000-5000
39																			B8	L	2000-5000
41																					
42																B7	L	< 2000	B8	L	< 2000
45																			B8	L	2000-5000
48																B7	L	2000-5000	B8	L	2000-5000
51				A36	L	< 2000										B7	L	< 2000	B8	L	2000-5000
54				A36	L	< 2000										B7	L	< 2000	B8	L	< 2000
58																			B8	L	2000-5000
62																			B8	L	< 2000
100																			B8	L	< 2000
112																B7	L	< 2000			
114																B7	L	< 2000			
116																B7	L	< 2000			
117				A36	L	< 2000										B7	L	< 2000	B8	L	2000-5000
119				A36	L	< 2000										B7	L	2000-5000	B8	L	< 2000
120																B7	L	< 2000	B8	L	< 2000
133																					
136				A36	L	< 2000										B7	L	2000-5000	B8	L	2000-5000
142																B7	L	< 2000	B8	L	< 2000
143																B7	L	< 2000			
145																B7	L	< 2000			
147																B7	L	2000-5000	B8	L	2000-5000
149																B7	L	2000-5000			
157																B7	L	< 2000			
160																B7	L	< 2000			
162																B7	L	< 2000			
164																			B8	L	2000-5000
165																					
169																			B8	L	< 2000
181																B7	L	< 2000	B8	L	< 2000
185																B7	L	< 2000			
195																					
197																B7	L	< 2000			
204																					
206																B7	L	< 2000	B8	L	2000-5000
209				A36	L	< 2000										B7	L	< 2000	B8	L	< 2000
214																					
216																					
218																			B8	L	< 2000
222	A69	F		A36	F		A80	F		B51	F		B52	F		B7	F		B8	F	
227				A36	L	< 2000										B7	L	< 2000	B8	L	2000-5000
229																					
232																			B8	L	< 2000
239																					
242																B7	L	2000-5000	B8	L	2000-5000
252																					
267																					
268																					
273																			B8	L	< 2000
277																B7	L	< 2000			
284																B7	L	< 2000	B8	L	< 2000
293																B7	L	< 2000			
302																B7	L	< 2000			
303																B7	L	< 2000	B8	L	< 2000
309																					
351																B7	L	< 2000	B8	L	< 2000
361																					

HLA specificity for assessment	B44			B45			B13			B62			B63			B39		
Consensus	Absent			Absent			Present			Absent			Absent			Absent		
% reported	1.4%			1.4%			80.0%			1.4%			1.4%			1.4%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9							B13	L	2000-5000									
11							B13	L	< 2000									
12							B13	L	2000-5000									
14							B13	L	2000-5000									
15							B13	L	< 2000									
19							B13	L	2000-5000									
20							B13	L	2000-5000									
23							B13	L	2000-5000									
24							B13	L	2000-5000									
25							B13	L	< 2000									
26							B13	L	< 2000									
28							B13	L	< 2000									
34							B13	L	< 2000									
35																		
38							B13	L	2000-5000									
39							B13	L	< 2000									
41							B13	L	2000-5000									
42							B13	L	< 2000									
45							B13	L	< 2000									
48							B13	L	2000-5000									
51							B13	L	2000-5000									
54							B13	L	2000-5000									
58							B13	L	< 2000									
62							B13	L	2000-5000									
100																		
112							B13	L	< 2000									
114							B13	L	< 2000									
116							B13	L	2000-5000									
117							B13	L	< 2000									
119							B13	L	> 5000									
120							B13	L	2000-5000									
133																		
136							B13	L	2000-5000									
142							B13	L	2000-5000									
143							B13	L	2000-5000									
145							B13	L	< 2000/2000-5000									
147							B13	L	2000-5000									
149							B13	L	2000-5000									
157							B13	L	2000-5000									
160							B13	L	< 2000									
162							B13	L	< 2000									
164							B13	L	2000-5000									
165																		
169							B13	L	< 2000									
181							B13	L	< 2000									
185							B13	L	< 2000									
195							B13	L	2000-5000									
197							B13	L	< 2000									
204																		
206							B13	L	< 2000									
209							B13	L	2000-5000									
214																		
216																		
218																		
222	B44	F		B45	F		B13	F		B62	F		B63	F		B39	F	
227							B13	L	2000-5000									
229																		
232							B13	L	< 2000									
239																		
242							B13	L	2000-5000									
252																		
267																		
268																		
273							B13	L	< 2000									
277							B13	L	< 2000									
284							B13	L	2000-5000									
293							B13	L	< 2000									
302																		
303							B13	L	2000-5000									
309																		
351							B13	L	< 2000									
361																		

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

	A69	A36	A80	B51	B52	B7	B8	B44	B45	B13	B62	B63	B39	
reporting Sepcificity	1	11	1	1	1	43	41	1	1	56	1	1	1	mber
mber of participants	70	70	70	70	70	70	70	70	70	70	70	70	70	tal nu
< 2000	0	10	0	0	0	34	18	0	0	25	0	0	0	
2000-5000	0	0	0	0	0	8	20	0	0	28	0	0	0	
> 5000	0	0	0	0	0	0	2	0	0	1	0	0	0	

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HLA specificity for assessment

Lab no.	B57 spec	B57 tech	B57 MFI	B18 spec	B18 tech	B18 MFI	B49 spec	B49 tech	B49 MFI	B50 spec	B50 tech	B50 MFI	B54 spec	B54 tech	B54 MFI	B55 spec	B55 tech	B55 MFI	B56 spec	B56 tech	B56 MFI	B27 spec	B27 tech	B27 MFI	B2708 spec	B2708 tech	B2708 MFI	B35 spec	B35 tech	B35 MFI	B37 spec	B37 tech	B37 MFI	B60 spec	B60 tech	B60 MFI	B61 spec	B61 tech	B61 MFI
Consensus	Absent			Absent			Absent			Absent			Absent			Absent			Absent			Not Assessed			Not Assessed			Absent			Absent			Not Assessed			Not Assessed		
% reported	1.4%			1.4%			1.4%			1.4%			1.4%			4.3%			1.4%			20.0%			12.9%			1.4%			2.9%			14.3%			20.0%		
9																																							
11																																							
12																																							
14																																							
15																																							
19																						B27	L	< 2000	B2708	L	< 2000				B37	L	< 2000	B60	L	< 2000	B61	L	< 2000
20																																							
23																						B27	L	< 2000	B2708	L	< 2000										B61	L	< 2000
24																																							
25																																							
26																																							
28																						B27	L	< 2000	B2708	L	< 2000							B60	L	< 2000	B61	L	< 2000
34																																							
35																																							
38																																							
39																																							
41																																							
42																									B2708	L	< 2000										B61	L	< 2000
45																																							
48																																							
51																						B27	L	< 2000										B60	L	< 2000	B61	L	< 2000
54																						B27	L	< 2000	B2708	L	< 2000							B60	L	< 2000	B61	L	< 2000
58																																							
62																																							
100																																							
112																																							
114																																							
116																																							
117																						B27	L	< 2000	B2708	L	< 2000							B60	L	< 2000	B61	L	< 2000
119																B55	L	< 2000				B27	L	< 2000	B2708	L	2000-5000							B60	L	< 2000	B61	L	< 2000/2000-5000
120																						B27	L	< 2000															
133																																							
136																						B27	L	< 2000	B2708	L	< 2000							B60	L	< 2000	B61	L	< 2000
142																																							
143																						B27	L	< 2000													B61	L	< 2000
145																																							
147																																							
149																																							
157																																							
160																																							
162																																							
164																																							
165																																							
169																																							
181																																							
185																																							
195																																							
197																																							
204																																							
206	B57	L	< 2000																																				
209																B55	L	< 2000				B27	L	< 2000	B2708	L	< 2000							B60	L	< 2000	B61	L	< 2000
214																																							
216																																							
218																																							
222				B18	F		B49	F		B50	F		B54	F		B55	F		B56	F		B27	F					B35	F		B37	F		B60	F		B61	F	
227																						B27	L	< 2000										B60	L	< 2000	B61	L	< 2000
229																																							
232																																							
239																																							
242																																							
252																																							
267																																							
268																																							
273																																							
277																						B27	L	< 2000															
284																																							
293																																							
302																																					B61	L	< 2000
303																																							
309																																							
351																																							
361																																							

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

reporting Sepcificity	1	< 2000		1	< 2000		1	< 2000		1	< 2000		1	< 2000		3	< 2000		1	< 2000		14	< 2000		9	< 2000		1	< 2000		2	< 2000		10	< 2000		14	< 2000	Number
mber of participants	70	1		70	0		70	0		70	0		70	0		70	2		70	0		70	13		70	8		70	0		70	1		70	9		70	12	Total nu
		2000-5000			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			0		
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0			0			0			0			0			0			0			0			0			0			0			0			0		

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DESPATCHED ON 13TH JUNE 2017

HLA specificity for assessment

	B41			B42			B46			B47			B48			B53			B59			B67			B71			B72			B78			B81		
Consensus	Absent			Not Assessed			Not Assessed			Absent			Absent			Absent			Absent			Not Assessed			Absent			Absent			Absent			Not Assessed		
% reported	1.4%			8.6%			8.6%			1.4%			1.4%			1.4%			1.4%			11.4%			1.4%			1.4%			1.4%			40.0%		
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																																		B81	L	2000-5000
14																																				
15																																				
19				B42	L	< 2000	B46	L	< 2000													B67	L	< 2000										B81	L	< 2000
20																																				
23																						B67	L	< 2000										B81	L	< 2000
24																																		B81	L	< 2000
25																																				
26																																				
28																																		B81	L	< 2000
34																																				
35																																				
38																																				
39																																				
41																																				
42																																		B81	L	< 2000
45																																				
48																																		B81	L	2000-5000
51				B42	L	< 2000	B46	L	< 2000													B67	L	< 2000										B81	L	< 2000
54				B42	L	< 2000																B67	L	< 2000										B81	L	< 2000
58																																				
62																																				
100																																				
112																																		B81	L	< 2000
114																																				
116																																		B81	L	< 2000
117																																		B81	L	< 2000
119				B42	L	< 2000	B46	L	< 2000													B67	L	< 2000										B81	L	2000-5000
120							B46	L	< 2000																									B81	L	< 2000
133																																				
136																						B67	L	< 2000										B81	L	< 2000
142																																				
143																																		B81	L	< 2000
145																																		B81	L	< 2000
147																																		B81	L	< 2000
149																																				
157																																		B81	L	< 2000
160																																		B81	L	< 2000
162																																				
164																																				
165																																				
169																																				
181																																				
185																																				
195																																				
197																																		B81	L	< 2000
204																																				
206																																				
209				B42	L	< 2000	B46	L	< 2000													B67	L	< 2000										B81	L	< 2000
214																																				
216																																				
218																																				
222	B41	F		B42	F		B46	F		B47	F		B48	F		B53	F		B59	F		B67	F		B71	F		B72	F		B78	F		B81	F	
227																																		B81	L	< 2000
229																																				
232																																				
239																																				
242																																		B81	L	< 2000
252																																				
267																																				
268																																				
273																																				
277																																		B81	L	< 2000
284																																				
293																																		B81	L	< 2000
302																																				
303																																		B81	L	< 2000
309																																				
351																																				
361																																				

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

reporting Sepcificity	1	< 2000		6	< 2000		6	< 2000		1	< 2000		1	< 2000		1	< 2000		1	< 2000		8	< 2000		1	< 2000		1	< 2000		1	< 2000		28	< 2000	Number
mber of participants	70	0		70	5		70	5		70	0		70	0		70	0		70	0		70	7		70	0		70	0		70	0		70	24	Total nu
		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			0			0			0			0			3	
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0			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 306/2017

DESPATCHED ON 13TH JUNE 2017

HLA specificity for assessment

	Cw1			Cw2			Cw9			Cw10			Cw4			Cw5			Cw6			Cw8			Cw12			Cw14			Cw15			Cw17			Cw18		
Consensus	Absent			Not Assessed			Not Assessed			Not Assessed			Not Assessed			Absent			Absent			Absent			Absent			Absent			Absent			Absent			Absent		
% reported	1.4%			12.9%			28.6%			21.4%			30.0%			2.9%			2.9%			2.9%			1.4%			1.4%			2.9%			2.9%			1.4%		
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	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9																																							
11																																							
12							Cw9	L	2000-5000	Cw10	L	2000-5000	Cw4	L	2000-5000																								
14																																							
15							Cw9	L	< 2000	Cw10	L	< 2000	Cw4	L	< 2000																								
19				Cw2	L	< 2000	Cw9	L	2000-5000	Cw10	L	< 2000	Cw4	L	< 2000																								
20																																							
23							Cw9	L	< 2000																														
24													Cw4	L	< 2000																								
25																																							
26																																							
28																																							
34																																							
35																																							
38																																							
39																																							
41																																							
42							Cw9	L	< 2000	Cw10	L	< 2000	Cw4	L	< 2000																								
45																																							
48				Cw2	L	2000-5000							Cw4	L	2000-5000																								
51				Cw2	L	< 2000	Cw9	L	2000-5000	Cw10	L	< 2000	Cw4	L	< 2000																								
54							Cw9	L	< 2000	Cw10	L	< 2000	Cw4	L	< 2000																								
58																																							
62													Cw4	L	< 2000																								
100																																							
112							Cw9	L	< 2000	Cw10	L	< 2000	Cw4	L	< 2000																								
114																																							
116																																							
117							Cw9	L	< 2000	Cw10	L	< 2000	Cw4	L	< 2000																								
119				Cw2	L	< 2000	Cw9	L	2000-5000	Cw10	L	< 2000	Cw4	L	< 2000																								
120							Cw9	L	< 2000	Cw10	L	< 2000	Cw4	L	< 2000																								
133																																							
136				Cw2	L	< 2000	Cw9	L	< 2000	Cw10	L	< 2000	Cw4	L	< 2000																								
142																																							
143																																							
145																																							
147													Cw4	L	< 2000																								
149																																							
157																																							
160																																							
162																																							
164																																							
165																																							
169													Cw4	L	< 2000																								
181							Cw9	L	< 2000																														
185																																							
195																																							
197																																							
204																																							
206							Cw9	L	< 2000				Cw4	L	< 2000																								
209				Cw2	L	< 2000	Cw9	L	< 2000	Cw10	L	< 2000	Cw4	L	< 2000							Cw8	L	< 2000															
214																																							
216																																							
218																																							
222	Cw1	F		Cw2	F		Cw9	F		Cw10	F					Cw5	F		Cw6	F					Cw12	F		Cw14	F		Cw15	F		Cw17	F				
227				Cw2	L	< 2000	Cw9	L	< 2000	Cw10	L	< 2000	Cw4	L	< 2000																								
229																																							
232																																							
239																																							
242							Cw9	L	< 2000	Cw10	L	< 2000																											
252																																							
267																																							
268																																							
273																																							
277							Cw9	L	< 2000																														
284																																							
293																																							
302																																							
303							Cw9	L	< 2000				Cw4	L	< 2000																								
309				Cw2	L	> 5000							Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	> 5000							Cw15	L	> 5000	Cw17	L	> 5000	Cw18	L	> 5000
351																																							
361																																							

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

reporting Sepcificity	1	< 2000		9	< 2000		20	< 2000		15	< 2000		21	< 2000		2	< 2000		2	< 2000		2	< 2000		1	< 2000		1	< 2000		2	< 2000		2	< 2000		1	< 2000	
mber of participants	70	0		70	6		70	15		70	13		70	18		70	0		70	0		70	1		70	0		70	0		70	0		70	0		70	0	
		2000-5000			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			4			1			2			0			0			0			0			0			0			0			0		
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0			1			0			0			1			1			1			1			0			0			1			1			1		

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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 306/2017

DESPATCHED ON 13TH JUNE 2017

Lab no.	Techniques used IgG	Sample Treatment IgG	High Background	Neg control serum batch	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 I IgG	Cut-off va IgG	Control b MFI Positive	Control bead MFI Negative
9	L	EDTA	N			LS1A04	1500	9200	26												
11	L	EDTA	N	NC17		LS1A04	500	4414	11	LSM12	2.5	5329	34								
12	L	EDTA	N	LOT17		LS1A04	500	10714	33	LSM12	3	13156	65								
14	L	Heat	N	17		LS1A04	1500	11313	34												
15	L	EDTA	N	17		LS1A04	1000	9195	43												
19	L	None	N			LS1A04	1000	13654	41												
20	L	EDTA	N			LS1A04	2000	10955	29												
23	L	EDTA	N	017	B*40:02	LS1A04	1000	12222	26.51												
24	L	EDTA	N	017		LS1A04	1000	11611	36	LSM12	4.5	9817	30	LS1PRA	1000	13258	70	LSA1	1500/3/4	18090	235
25	L	EDTA	N	016		LS1A04	1000	9964	24	LSM12	7.1	4191	61	LSA1	1500	16909	239				
26	L	EDTA	N	017																	
28	L	None	N	17		LS1A04	500	9073	17												
34	C/L	EDTA	N	016		LS1A04	1038	10856	15												
35	L	EDTA	N	017		LS1A04	1030	15648	14												
38	L	EDTA	N			LS1A04	1200	15746	16												
39	L	EDTA	N	LS-NC015		LS1A04	1100	10209	11												
41	L	None	N			LS1A04	2000	6880	33												
42	C/L	EDTA	N	017	B*40:02 C*03:02	LS1A04	500	6028	31												
45	L	Beads/EDTA	N			LS1A04	1500	10000	20												
48	L	Heat	N	17																	
51	L		N			LS1A04	900	9287	48												
54	L	EDTA	N	016		LS1A04	750	3695	15												
58	L	EDTA	N	016		LS1A04	1000	8017	25	LSM12	3	7166	38								
62	L	None	N			LS1A04	1000	10255	34.5												
100	L	None	N			LSA1	500	17672	293												
112	L	None	N	017/11166B		LS1A04	Score 6	9760	1768	LSA1	500	21996	348								
114	L	EDTA	N			LS1A04	1000	7278.2	15.48												
116	C/L	EDTA	N	17		LS1A04	1000	7203	15	LSM12		8319	36								
117	E/L	None	N	016		LS1A04	500	9250	15												
119	L	EDTA	N	016		LS1A04	>1000	12898	33	LSM12	>1.5	6774	18								
120	L	EDTA	N		B*27:08 C*03:03 C*03:03	LS1A04	500	7908.2	14.8												
133	L	Heat	N	08256B	A*23:01 A*24:02 A*24:03	LSA1	500	19635	321												
136	C/L	None	N			LS1A04	1000	10848	27												
142	L	EDTA	N		A*31:01 A*03:01 B*07:02 B*08:01	LS1A04	1000	8664	17												
143	L	None	N	017		LS1A04	1000	11684	30												
145	L	None	N			LS1A04	1000	9725	26												
147	L	EDTA			A210, B5103, B3902, B4005 not tested	LS1A04	>1500	12903	49	LSM12	>5	3669	7								
149	L	None	N			LSA1		14497	183												
157	L	EDTA	N	16		LS1A04	1000	17.86	9781												
160	L	Beads	N	16		LS1A04	900	9100	7.1												
162	L	Beads/EDTA	Y			LS1A04	1000	13537	17	LSM12	3	7794	19								
164	L	EDTA	N	21,72		LS1A04	1500	11638	21												
165																					
169	L	None	N	IH		LS1A04	1000	2057	10												
181	L	None	N	16		LS1A04	500	100085	20												
185	L	EDTA	N			LSA1	2	15846	166	LM1	0	19903	119								
195	L	None	N			LS1A04	2000	8505	24												
197	L	None																			
204	L	EDTA	N	LSNC		LS1A04	1000	15569	7												
206	C/L	L	N	17		LS1A04	1000	9233	17												
209	L	Beads/EDTA	N			LS1A04	500	14772	25												
214	L					LSA1															
216	L	None		3005067		LM1	1300	22183	272	LMX		18375									
218	L	Heat	N		A*23:01, A*24:02, A*24:03, B*08:01	LSA1		19082													
222	F	None																			
227	L	Dil/EDTA	N																		
229																					
232	L	None	N		A*31:01 B*08:01 B*13:02 A*30:02	LS1A04	1200	6844	16												
239	L	None	N			LM1	800	19118	479												
242	L	Beads				LS1A04		22898													
252	L	None				LM1	2	18648	212												
267	L	EDTA	N			LSA1	500	12581	188												
268	C/L	None	N			LSA1	1500	19255	273	LM1	1000	19907	215								
273	L	None	N			LS1A04	1500	7361	17												
277	L	EDTA	N	016	B*27:08	LS1A04	500	5719	12												
284	L	EDTA	N			LS1A04	1000	8460	17												
293	L	None	N			LS1A04	500	5934	14.5	LS1PRA	500	5934	14.5								
302	L	None																			
303	L	Heat/Beads	Y	017		LS1A04	1000	8959	17												
309	L	None	N			LSA1	1000	14000	90												
351	L	EDTA	N	017		LS1A04	1500	11923	16												
361	L	None	N	3005262		LSA1	500	17630	182												

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 307/2017

DESPATCHED ON 13TH JUNE 2017

HLA specificity for assessment

	A1			A2			A203			A3			A23			A24			A2403			A25			A26			A34			A66			A30		
Consensus	Absent			Absent			Absent			Absent			Absent			Absent			Not Assessed			Absent			Absent			Absent			Not Assessed			Absent		
% reported	1.4%			2.9%			2.9%			1.4%			1.4%			2.9%			5.7%			4.3%			2.9%			2.9%			10.0%			4.3%		
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																																				
12																																				
14																																				
15																																				
19																																				
20																																				
23																																				
24																																				
25																																				
26																																				
28																															A66	I	< 2000			
34																																				
35																																				
38																																				
39																																				
41																																				
42																																				
45																																				
48																																				
51																																				
54																																				
58																																				
62																																				
100							A203	L	< 2000							A24	L	< 2000	A2403	L	< 2000	A25	L	< 2000							A66	L	< 2000			
112																			A2403	L	< 2000										A66	L	< 2000			
114																																				
116																																				
117																															A66	L	< 2000			
119																																				
120																																				
133																			A2403	L	< 2000										A66	L	< 2000			
136																																				
142																																				
143																																				
145																																				
147																																				
149																																				
157																																				
160																																				
162																																				
164																																				
165																																				
169																																				
181																																				
185																																				
195																																				
197																									A26	L	< 2000									
204																																				
206																																				
209																																				
214																																				
216				A2	L	< 2000																							A34	L	< 2000			A30	L	2000-5000
218				A2	L	< 2000	A203	L	< 2000							A24	L	< 2000	A2403	L	< 2000	A25	L	< 2000							A66	L	< 2000			
222	A1	F								A3	F		A23	F								A25	F		A26	F		A34	F		A66	F		A30	F	
227																																				
229																																				
232																																				
239																																				
242																																				
252																																		A30	L	< 2000
267																																				
268																																				
273																																				
277																																				
284																																				
293																																				
302																																				
303																																				
309																																				
351																																				
361																																				

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

Number	1	< 2000	2	< 2000	2	< 2000	1	< 2000	1	< 2000	2	< 2000	4	< 2000	3	< 2000	2	< 2000	2	< 2000	7	< 2000	3	< 2000
Total number	70	0	70	2	70	2	70	0	70	0	70	2	70	4	70	2	70	1	70	1	70	6	70	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		0		0		0		0		0		0		1
		> 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 307/2017

DESPATCHED ON 13TH JUNE 2017

HLA specificity for assessment

	A32			A33			A74			A68			A36			A80			B51			B52			B7			B8			B44			B45			B13		
Consensus	Absent			Absent			Absent			Absent			Absent			Absent			Absent			Absent			Absent			Absent			Absent			Absent			Absent		
% reported	2.9%			4.3%			4.3%			1.4%			1.4%			2.9%			2.9%			1.4%			2.9%			1.4%			1.4%			2.9%			2.9%		
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	spec	tech	MFI
9																																							
11																																							
12																																							
14																																							
15																																							
19																																							
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26																																							
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169																																							
181																																							
185																																							
195																																							
197	A32	L	< 2000	A33	L	< 2000																			B7	L	< 2000											B13	L	2000-5000
204																																							
206																																							
209																																							
214																																							
216				A33	L	< 2000	A74	L	< 2000										B51	L	< 2000													B45	L	2000-5000			
218																																							
222	A32	F		A33	F		A74	F		A68	F		A36	F		A80	F		B51	F		B52	F		B7	F		B8	F		B44	F		B45	F		B13	F	
227																																							
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268																																							
273																																							
277																																							
284																																							
293																																							
302							A74	L	< 2000							A80	L	< 2000																					
303																																							
309																																							
351																																							
361																																							

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

Number	2	< 2000		3	< 2000		3	< 2000		1	< 2000		1	< 2000		2	< 2000		2	< 2000		1	< 2000		2	< 2000		1	< 2000		1	< 2000		2	< 2000		2	< 2000	
Total number	70	1		70	2		70	2		70	0		70	0		70	1		70	1		70	0		70	1		70	0		70	0		70	0		70	0	
		2000-5000			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			0			0			0			0			1			1	
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0			0			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 307/2017

DESPATCHED ON 13TH JUNE 2017

HLA specificity for assessment

	B64			B65			B63			B75			B57			B58			B18			B50			B56			B35			B37			B61			B41		
Consensus	Not Assessed			Not Assessed			Absent			Absent			Absent			Absent			Absent			Not Assessed			Absent			Absent			Absent			Absent			Absent		
% reported	5.7%			5.7%			1.4%			1.4%			2.9%			2.9%			2.9%			8.6%			1.4%			2.9%			1.4%			2.9%			1.4%		
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	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
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165																																							
169																																							
181																																							
185																																							
195																																							
197													B57	L	< 2000	B58	L	< 2000	B18	L	< 2000	B50	L	< 2000										B61	L	< 2000			
204																																							
206																																							
209																																							
214																																							
216	B64	L	2000-5000	B65	L	2000-5000													B18	L	< 2000	B50	L	2000-5000				B35	L	< 2000									
218																																							
222	B64	F		B65	F		B63	F		B75	F		B57	F		B58	F					B50	F		B56	F		B35	F		B37	F		B61	F		B41	F	
227																																							
229																																							
232																																							
239	B64	L	< 2000	B65	L	2000-5000																B50	L	2000-5000															
242																																							
252																						B50	L	< 2000															
267																																							
268																																							
273																																							
277																																							
284																																							
293																																							
302	B64	L	< 2000	B65	L	2000-5000																B50	L	2000-5000															
303																																							
309																																							
351																																							
361																																							

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

Number	4	< 2000		4	< 2000		1	< 2000		1	< 2000		2	< 2000		2	< 2000		2	< 2000		6	< 2000		1	< 2000		2	< 2000		1	< 2000		2	< 2000		1	< 2000	
Total number	70	2		70	0		70	0		70	0		70	1		70	1		70	2		70	2		70	0		70	1		70	0		70	1		70	0	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		1			3			0			0			0			0			0			3			0			0			0			0			0		
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0			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 307/2017

DESPATCHED ON 13TH JUNE 2017

HLA specificity for assessment

Consensus	B42			B46			B47			B48			B53			B71			B72			B73			B78			B81			Cw2			Cw9		
% reported	Absent 1.4%			Not Assessed 8.6%			Absent 4.3%			Absent 1.4%			Absent 2.9%			Absent 1.4%			Absent 2.9%			Not Assessed 10.0%			Absent 1.4%			Absent 1.4%			Present 91.4%			Not Assessed 20.0%		
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																															Cw2	L	> 5000	Cw9	L	2000-5000
11																															Cw2	L	> 5000			
12				B46	L	< 2000																									Cw2	L	> 5000	Cw9	L	< 2000
14																															Cw2	L	> 5000			
15																															Cw2	L	2000-5000			
19																															Cw2	L	> 5000	Cw9	L	< 2000
20																															Cw2	L	> 5000			
23																															Cw2	L	> 5000			
24																															Cw2	L	> 5000			
25																															Cw2	L	> 5000			
26																															Cw2	L	> 5000			
28				B46	L	< 2000																B73	L	<2000							Cw2	L	> 5000	Cw9	L	< 2000
34																															Cw2	L	> 5000	Cw9	L	< 2000
35																															Cw2	L	> 5000			
38																															Cw2	L	> 5000			
39																															Cw2	L	> 5000			
41																															Cw2	L	> 5000			
42																															Cw2	L	> 5000			
45																															Cw2	L	> 5000			
48																															Cw2	L	> 5000			
51				B46	L	< 2000																									Cw2	L	> 5000	Cw9	L	< 2000
54																						B73	L	<2000							Cw2	L	> 5000	Cw9	L	< 2000
58																															Cw2	L	> 5000			
62																															Cw2	L	> 5000			
100																															Cw2	L	> 5000			
112																															Cw2	L	> 5000			
114																															Cw2	L	> 5000			
116																															Cw2	L	> 5000	Cw9	L	< 2000
117																															Cw2	L	> 5000	Cw9	L	< 2000
119																															Cw2	L	> 5000	Cw9	L	< 2000
120																															Cw2	L	> 5000			
133																															Cw2	L	> 5000			
136																															Cw2	L	> 5000			
142																															Cw2	L	> 5000			
143																															Cw2	L	> 5000			
145																															Cw2	L	> 5000			
147																															Cw2	L	> 5000			
149																															Cw2	L	> 5000			
157																															Cw2	L	> 5000			
160																															Cw2	L	> 5000			
162																															Cw2	L	> 5000			
164																															Cw2	L	> 5000			
165																																				
169																															Cw2	L	> 5000			
181																															Cw2	L	> 5000			
185																															Cw2	L	> 5000			
195																															Cw2	L	> 5000			
197										B48	L	< 2000							B72	L	< 2000															
204																															Cw2	L	> 5000	Cw9	L	< 2000
206																															Cw2	L	> 5000			
209				B46	L	< 2000																B73	L	<2000							Cw2	L	> 5000	Cw9	L	< 2000
214																															Cw2	L	2000-5000			
216							B47	L	< 2000													B73	L	<2000												
218																															Cw2	L	> 5000			
222	B42	F		B46	F		B47	F					B53	F		B71	F		B72	F		B73	F		B78	F		B81	F		Cw2	F		Cw9	F	
227				B46	L	< 2000																B73	L	<2000							Cw2	L	> 5000	Cw9	L	< 2000
229																																				
232																															Cw2	L	> 5000			
239																																				
242																															Cw2	L	> 5000			
252																																				
267																															Cw2	L	> 5000			
268																															Cw2	L	> 5000			
273																															Cw2	L	> 5000			
277																															Cw2	L	> 5000			
284																															Cw2	L	> 5000			
293																															Cw2	L	> 5000			
302							B47	L	< 2000				B53	L	< 2000							B73	L	<2000												
303																															Cw2	L	> 5000			
309																																				
351																															Cw2	L	> 5000			
361																															Cw2	L	> 5000			

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

Number	1	< 2000	6	< 2000	3	< 2000	1	< 2000	2	< 2000	1	< 2000	2	< 2000	7	< 2000	1	< 2000	1	< 2000	64	< 2000	14	< 2000
Total number	70	0	70	5	70	2	70	1	70	1	70	0	70	1	70	0	70	0	70	0	70	0	70	12
		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		0		0		2		1
		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000
		0		0		0		0		0		0		0		0		0		0		61		0

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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 307/2017

DESPATCHED ON 13TH JUNE 2017

HLA specificity for assessment

Consensus	Cw10			Cw4			Cw5			Cw6			Cw8			Cw12			Cw14			Cw15			Cw16			Cw17			Cw18		
% reported	Not Assessed 55.7%			Present 90.0%			Present 91.4%			Present 91.4%			Present 90.0%			Not Assessed 51.4%			Absent 1.4%			Present 90.0%			Not Assessed 28.6%			Present 90.0%			Present 90.0%		
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	Cw10	L	2000-5000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	> 5000	Cw12	L	2000-5000				Cw15	L	> 5000	Cw16	L	< 2000	Cw17	L	> 5000	Cw18	L	> 5000
11	Cw10	L	< 2000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	< 2000				Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
12	Cw10	L	2000-5000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	> 5000	Cw12	L	2000-5000				Cw15	L	> 5000	Cw16	L	2000-5000	Cw17	L	> 5000	Cw18	L	> 5000
14	Cw10	L	2000-5000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	2000-5000				Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
15	Cw10	L	< 2000	Cw4	L	2000-5000	Cw5	L	2000-5000	Cw6	L	2000-5000	Cw8	L	2000-5000							Cw15	L	2000-5000				Cw17	L	2000-5000	Cw18	L	2000-5000
19	Cw10	L	< 2000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	< 2000				Cw15	L	> 5000	Cw16	L	< 2000	Cw17	L	> 5000	Cw18	L	> 5000
20				Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000							Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
23	Cw10	L	< 2000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	2000-5000				Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
24	Cw10	L	< 2000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	< 2000				Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
25	Cw10	L	< 2000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000							Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
26	Cw10	L	2000-5000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000							Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
28	Cw10	L	< 2000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	< 2000				Cw15	L	> 5000	Cw16	L	< 2000	Cw17	L	> 5000	Cw18	L	> 5000
34	Cw10	L	< 2000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	< 2000				Cw15	L	> 5000	Cw16	L	< 2000	Cw17	L	> 5000	Cw18	L	> 5000
35	Cw10	L	< 2000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	< 2000				Cw15	L	> 5000	Cw16	L	< 2000	Cw17	L	> 5000	Cw18	L	> 5000
38	Cw10	L	2000-5000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000							Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
39	Cw10	L	< 2000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000							Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
41				Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000							Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
42	Cw10	L	< 2000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	< 2000				Cw15	L	> 5000	Cw16	L	< 2000	Cw17	L	> 5000	Cw18	L	> 5000
45	Cw10	L	< 2000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000							Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
48				Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	> 5000							Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
51	Cw10	L	2000-5000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	2000-5000				Cw15	L	> 5000	Cw16	L	< 2000	Cw17	L	> 5000	Cw18	L	> 5000
54	Cw10	L	< 2000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	< 2000				Cw15	L	> 5000	Cw16	L	< 2000	Cw17	L	> 5000	Cw18	L	> 5000
58	Cw10	L	< 2000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	< 2000				Cw15	L	> 5000	Cw16	L	< 2000	Cw17	L	> 5000	Cw18	L	> 5000
62				Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000							Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
100				Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	> 5000							Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
112				Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	> 5000							Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
114	Cw10	L	< 2000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	< 2000				Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
116	Cw10	L	2000-5000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	< 2000				Cw15	L	> 5000	Cw16	L	< 2000	Cw17	L	> 5000	Cw18	L	> 5000
117	Cw10	L	< 2000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	< 2000				Cw15	L	> 5000	Cw16	L	< 2000	Cw17	L	> 5000	Cw18	L	> 5000
119	Cw10	L	2000-5000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	> 5000	Cw12	L	2000-5000				Cw15	L	> 5000	Cw16	L	< 2000	Cw17	L	> 5000	Cw18	L	> 5000
120	Cw10	L	< 2000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	< 2000				Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
133				Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	> 5000							Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
136	Cw10	L	< 2000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	2000-5000				Cw15	L	> 5000	Cw16	L	< 2000	Cw17	L	> 5000	Cw18	L	> 5000
142	Cw10	L	< 2000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	< 2000				Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
143				Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	> 5000	Cw12	L	2000-5000				Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
145				Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	< 2000				Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
147	Cw10	L	< 2000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	< 2000				Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
149				Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	> 5000							Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
157	Cw10	L	< 2000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	< 2000				Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
160				Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	< 2000				Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
162				Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000							Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
164				Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	< 2000				Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
165																																	
169	Cw10	L	< 2000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000							Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
181	Cw10	L	< 2000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	< 2000				Cw15	L	> 5000	Cw16	L	< 2000	Cw17	L	> 5000	Cw18	L	> 5000
185				Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	> 5000							Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
195				Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000							Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
197																																	
204	Cw10	L	< 2000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	2000-5000				Cw15	L	> 5000	Cw16	L	< 2000	Cw17	L	> 5000	Cw18	L	> 5000
206				Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	> 5000							Cw15	L	> 5000	Cw16	L	< 2000	Cw17	L	> 5000	Cw18	L	> 5000
209	Cw10	L	< 2000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	< 2000				Cw15	L	> 5000	Cw16	L	< 2000	Cw17	L	> 5000	Cw18	L	> 5000
214							Cw5	L	2000-5000	Cw6	L	2000-5000	Cw8	L	2000-5000																		
216																																	
218				Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	> 5000							Cw15	L	> 5000				Cw17	L	> 5000			
222				Cw4	F		Cw5	F		Cw6	F								Cw14	F		Cw15	F		Cw16	F		Cw17	F		Cw18	F	
227	Cw10	L	2000-5000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	> 5000	Cw12	L	2000-5000				Cw15	L	> 5000	Cw16	L	2000-5000	Cw17	L	> 5000	Cw18	L	> 5000
229																																	
232				Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	< 2000							Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
239																															Cw18	L	< 2000
242				Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000							Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
252																																	
267				Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	> 5000							Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
268				Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000							Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
273	Cw10	L	< 2000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	< 2000				Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
277	Cw10	L	< 2000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	< 2000				Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
284	Cw10	L	< 2000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	< 2000				Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
293				Cw4	L	2000-5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000							Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
302																																	
303	Cw10	L	< 2000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	< 2000				Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
309																																	
351	Cw10	L	2000-5000	Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	2000-5000	Cw12	L	< 2000				Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000
361				Cw4	L	> 5000	Cw5	L	> 5000	Cw6	L	> 5000	Cw8	L	> 5000							Cw15	L	> 5000				Cw17	L	> 5000	Cw18	L	> 5000

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

Number	39	< 2000	63	< 2000	64	< 2000	64	< 2000	63	< 2000	36	< 2000	1	< 2000	63	< 2000	20	< 2000	63	< 2000	63	< 2000
Total number of	70	29	70	0	70	0	70	0	70	1	70	26	70	0	70	0	70	17	70	0	70	1
		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
		10		2		2		2		47		10		0		1		2		1		1
		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000
		0		60		61		61		15		0		0		61		0		61		60

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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 307/2017

DESPATCHED ON 13TH JUNE 2017

Lab no.	Techniques used IgG	Sample Treatment IgG	High Background	Neg control serum batch	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
9	L	EDTA	N			LS1A04	1000	8900	45								
11	L	EDTA	N	NC17		LS1A04	500	5294	31	LSM12	2.5	5911	36				
12	L	EDTA	N	LOT17		LS1A04	500	10285	66	LSM12	3	10867	189				
14	L	Heat/EDTA	N	017	C*03:02	LS1A04	1500	12500	53								
15	L	EDTA	Y	17	C*03:02	LS1A04	1000	12957	65.7								
19	L	None	N			LS1A04	1000	1173	51								
20	L	EDTA	N			LS1A04	2000	13348	67								
23	L	EDTA	N	017	C*03:02	LS1A04	1000	11576	12.34								
24	L	EDTA	N	017		LS1A04	1000	13270	77	LSM12	4.5	11007	72	LS1PRA	1000	9965	175
25	L	EDTA	N	016	Cw10 IS C*03:02 only	LS1A04	1000	11014	61	LSM12	7.1	12008	259	LSA1	1500	17036	188
26	L			017	C*03:02												
28	L	None	N	17	A*66:01 C*03:02	LS1A04	500	10373	35								
34	L	EDTA	N	016		LS1A04	1084	12670	29								
35	L	EDTA	N	017	C*03:02	LS1A04	1000	12070	11								
38	L	EDTA	N			LS1A04	2000	15698	17								
39	L	EDTA	N	LS-NC015	C*03:02	LS1A04	1500	12817	19								
41	L	None	N			LS1A04	2000	7276	42								
42	L	EDTA	N	017	C*03:02	LS1A04	500	7406	45								
45	L	Beads/EDTA	N		C*03:02	LS1A04	1500	14000	30								
48	L	Heat/EDTA	N	17													
51	L		N			LS1A04	1300	11306	184								
54	L	EDTA	N	016		LS1A04	750	9223	66								
58	L	EDTA	N	016		LS1A04	1000	9601	118	LSM12	3	9844	128				
62	L	None	N			LS1A04	2000	10698	23.15								
100	L		N			LSA1	500	18277	303								
112	L	None	N		C*08:02	LS1A04	Score 6	10333	2159	LSA1	500	21388	311				
114	L	EDTA	N			LS1A04	1000	8359	39								
116	C/L	EDTA	N	17	C*03:02	LS1A04	1000	8557	13	LSM12		10211	83				
117	E/L	None	N	016		LS1A04	500	10892	23								
119	L	EDTA	N	016	C*03:02	LS1A04	>1000	10496	68	LSM12	>1.5	8287	28				
120	L	EDTA			C*03:02	LS1A04	500	7988.6	27.1								
133		Heat	N	08256B	C*02:02 C*04:01 C*04:03 C*05:01 C*06:02 C*08:02 C*15:02 C*17:01 C*18:01 A*24:03 A*66:01	LSA1	500	17656	370								
136	C/L	None	N		C*03:03	LS1A04	1000	12517	41								
142	L	EDTA	N		C*05:01 C*15:02 C*06:02 C*02:02 C*18:02 C*17:01 C*04:01 C*08:01 C*03:02 C*12:03	LS1A04	1000	8756	16								
143	L	None	N	017		LS1A04	1000	13887	60								
145	L	None	N			LS1A04	1000	8578	37								
147		EDTA			C*03:02, C*12:03 (C*12:02 NT), C*15:02 (C*15:05 BT), C*08:01 (C*17:03 NT), C*17:01 (C*17:03 NT), C*18:02 (C*18:01 NT)	LS1A04	>1500	11082	738	LSM12	>5	3943	10				
149	L	Dil	Y			LSA1		16451	123								
157	L	EDTA	N	16		LS1A04	1000	24.38	10390								
160	L	Beads	N	16		LS1A04	1000	9980	11.7								
162	L	EDTA	N			LS1A04	1000	9378	22	LSM12	3	9101	30				
164	L	EDTA	N	21,72		LS1A04	1500	8188	54								
165																	
169	L	None	N	IH		LS1A04	1000	2335	11								
181						LS1A04	500	10085	20								
185	L	EDTA	N		C*08:02 probably also epitope specific Ab 80K as present in C*16:02, C*12:04/05/09, C*16:01 and C*12:02 also negative	LSA1	2	16338	156	LM1	0	19680	102				
195	L	None	N			LS1A04	2000	9308	44								
197	L	None															
204	L	EDTA	N	LSNC		LS1A04	1000	11746	15								
206	C/L	EDTA	N			LS1A04	1000	10809	37								
209	L	Beads/EDTA	N			LS1A04	500	14345	28								
214	L				C*04:03, C*15:02, C*17:01, C*18:01	LSA1		18301	225								
216	L	None		3005067		LM1	1000	22961	241	LMX		17779					
218	L	Heat/EDTA	N		A*02:03 A*24:03 A*25:01 A*66:01 A*02:01 A*02:02 A*24:02 A*66:02 C*04:01 C*06:02 C*15:02 C*17:01 C*08:01 C*02:02 C*04:03 C*05:01	LSA1		18229									
222	F	None															
227	L	Dil/EDTA	N														
229																	
232	L	None	N	NC17	C*05:01 C*15:02 C*06:02 C*02:02 C*18:02 C*17:01 C*04:01 C*08:01	LS1A04	1200	774	61								
239	L	None	N			LM1	1100	18886	408								
242	L	Beads				LS1A04		23995	39								
252	L	None				LM1	2	18816	87								
267	L	EDTA	N			LSA1	500	12859	180								
268	C/L	None	N			LSA1	1500	18580	329	LM1	1000	19478	123				
273	L	None	N		C*03:02	LS1A04	1500	9063	22								
277	L	EDTA	N		C*03:02	LS1A04	500	6316	17								
284	L	EDTA	N			LS1A04	1000	9698	27								
293	L	None	N			LS1A04	500	6430	15.19	LS1PRA	500	6430	15.19				
302	L	None															
303	L	EDTA	N	017	C*03:02	LS1A04	1000	8355	37								
309	L	None	N			LSA1	1500	14500	90								
351	L	EDTA	N	017		LS1A04	1500	14086	36								
361	L	None	N	3005262		LSA1	500	19479	363								

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 308/2017

DESPATCHED ON 13TH JUNE 2017

HLA specificity for assessment

	A26			A34			A30			A33			A69			A43			A80			B51			B5102			B52			B8			B65		
Consensus	Absent			Absent			Not Assessed			Absent			Absent			Not Assessed			Absent			Present			Not Assessed			Absent			Absent			Absent		
% reported	1.4%			1.4%			22.9%			1.4%			1.4%			5.7%			1.4%			84.3%			32.9%			1.4%			1.4%			1.4%		
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	spec	tech	MFI	spec	tech	MFI
9																																				
11																						B51	L	< 2000	B5102	L	< 2000									
12							A30	L	< 2000													B51	L	2000-5000	B5102	L	2000-5000									
14																						B51	L	2000-5000	B5102	L	2000-5000									
15							A30	L	< 2000													B51	L	2000-5000												
19							A30	L	< 2000													B51	L	< 2000												
20																						B51	L	2000-5000												
23																						B51	L	2000-5000	B5102	L	2000-5000									
24																						B51	L	2000-5000	B5102	L	2000-5000									
25																						B51	L	2000-5000												
26																						B51	L	< 2000												
28							A30	L	< 2000													B51	L	2000-5000	B5102	L	2000-5000									
34							A30	L	< 2000													B51	L	< 2000	B5102	L	< 2000									
35																						B51	L	2000-5000												
38																						B51	L	2000-5000												
39							A30	L	< 2000													B51	L	2000-5000												
41																						B51	L	2000-5000												
42							A30	L	< 2000													B51	L	2000-5000												
45							A30	L	2000-5000													B51	L	2000-5000	B5102	L	2000-5000									
48																						B51	L	2000-5000	B5102	L	2000-5000									
51							A30	L	2000-5000													B51	L	2000-5000	B5102	L	2000-5000									
54							A30	L	< 2000													B51	L	2000-5000	B5102	L	2000-5000									
58																						B51	L	2000-5000												
62																						B51	L	2000-5000												
100																A43	L	< 2000				B51	L	< 2000												
112																A43	L	< 2000				B51	L	2000-5000	B5102	L	2000-5000									
114																						B51	L	2000-5000	B5102	L	2000-5000									
116																						B51	L	2000-5000	B5102	L	2000-5000									
117							A30	L	< 2000													B51	L	2000-5000	B5102	L	2000-5000									
119																						B51	L	2000-5000	B5102	L	> 5000									
120																						B51	L	2000-5000												
133																A43	L	< 2000																		
136							A30	L	< 2000													B51	L	2000-5000	B5102	L	2000-5000									
142																						B51	L	< 2000	B5102	L	2000-5000									
143							A30	L	< 2000													B51	L	> 5000												
145																						B51	L	2000-5000	B5102	L	2000-5000									
147																						B51	L	2000-5000	B5102	L	2000-5000									
149																						B51	L	2000-5000												
157							A30	L	< 2000													B51	L	2000-5000												
160																						B51	L	2000-5000												
162																						B51	L	< 2000												
164																						B51	L	2000-5000												
165																																				
169																						B51	L	2000-5000												
181																						B51	L	< 2000	B5102	L	< 2000									
185																						B51	L	< 2000												
195																						B51	L	2000-5000	B5102	L	2000-5000									
197																																				
204																						B51	L	2000-5000	B5102	L	2000-5000									
206																						B51	L	2000-5000												
209							A30	L	< 2000													B51	L	2000-5000												
214																																				
216																																				
218																A43	L	< 2000				B51	L	< 2000												
222	A26	F		A34	F					A33	F								A80	F		B51	F					B52	F					B65	F	
227																						B51	L	2000-5000												
229																																				
232																						B51	L	< 2000												
239																																				
242																						B51	L	2000-5000												
252																																				
267																																				
268																																				
273																						B51	L	2000-5000												
277																						B51	L	2000-5000												
284																						B51	L	2000-5000												
293																						B51	L	< 2000												
302													A69	L	< 2000																B8	L	< 2000			
303																						B51	L	2000-5000												
309																																				
351							A30	L	< 2000													B51	L	2000-5000												
361																						B51	L	< 2000												

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

Number	1	< 2000	1	< 2000	16	< 2000	1	< 2000	1	< 2000	4	< 2000	1	< 2000	59	< 2000	23	< 2000	1	< 2000	1	< 2000	1	< 2000
Total	70	0	70	0	70	14	70	0	70	1	70	4	70	0	70	13	70	3	70	0	70	1	70	0
		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		2		0		0		0		0		44		19		0		0		0
		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000
		0		0		0		0		0		0		0		1		1		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 308/2017

DESPATCHED ON 13TH JUNE 2017

HLA specificity for assessment

	B63			B75			B76			B77			B38			B58			B18			B49			B50			B54			B55			B56			B35		
Consensus	Absent			Present			Absent			Not Assessed			Absent			Absent			Absent			Not Assessed			Not Assessed			Absent			Absent			Absent			Present		
% reported	2.9%			81.4%			1.4%			67.1%			1.4%			1.4%			1.4%			18.6%			7.1%			1.4%			1.4%			1.4%			95.7%		
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	spec	tech	MFI
9				B75	L	2000-5000				B77	L	2000-5000										B49	L	< 2000	B50	L	< 2000										B35	L	2000-5000
11				B75	L	< 2000				B77	L	< 2000																									B35	L	< 2000
12				B75	L	2000-5000				B77	L	2000-5000																									B35	L	2000-5000
14				B75	L	2000-5000				B77	L	< 2000																									B35	L	2000-5000
15				B75	L	< 2000				B77	L	< 2000																									B35	L	2000-5000
19				B75	L	< 2000				B77	L	< 2000																									B35	L	< 2000
20				B75	L	2000-5000																															B35	L	2000-5000
23				B75	L	2000-5000				B77	L	2000-5000										B49	L	< 2000													B35	L	2000-5000
24				B75	L	< 2000				B77	L	< 2000																									B35	L	2000-5000
25				B75	L	< 2000																															B35	L	< 2000
26																																					B35	L	< 2000
28				B75	L	< 2000				B77	L	< 2000										B49	L	< 2000	B50	L	< 2000										B35	L	2000-5000
34				B75	L	< 2000				B77	L	< 2000																									B35	L	< 2000
35				B75	L	< 2000				B77	L	< 2000																									B35	L	2000-5000
38				B75	L	< 2000				B77	L	< 2000																									B35	L	2000-5000
39				B75	L	< 2000																															B35	L	2000-5000
41				B75	L	2000-5000																															B35	L	2000-5000
42				B75	L	< 2000				B77	L	< 2000										B49	L	< 2000													B35	L	2000-5000
45				B75	L	2000-5000				B77	L	2000-5000										B49	L	< 2000													B35	L	2000-5000
48				B75	L	2000-5000				B77	L	2000-5000																									B35	L	2000-5000
51				B75	L	2000-5000				B77	L	2000-5000																									B35	L	2000-5000
54				B75	L	2000-5000				B77	L	2000-5000										B49	L	< 2000													B35	L	2000-5000
58				B75	L	< 2000				B77	L	< 2000																									B35	L	< 2000
62				B75	L	< 2000				B77	L	< 2000																									B35	L	2000-5000
100				B75	L	< 2000																															B35	L	< 2000
112				B75	L	< 2000				B77	L	< 2000																									B35	L	< 2000
114				B75	L	< 2000				B77	L	< 2000																									B35	L	2000-5000
116				B75	L	2000-5000				B77	L	< 2000																									B35	L	2000-5000
117				B75	E/L	< 2000				B77	L	< 2000										B49	L	< 2000													B35	E/L	2000-5000
119				B75	L	2000-5000				B77	L	2000-5000																									B35	L	> 5000
120				B75	L	< 2000				B77	L	< 2000																									B35	L	2000-5000
133																																					B35	L	< 2000
136				B75	L	2000-5000				B77	L	< 2000										B49	L	< 2000													B35	L	2000-5000
142				B75	L	< 2000				B77	L	< 2000																									B35	L	2000-5000
143				B75	L	2000-5000				B77	L	2000-5000										B49	L	< 2000	B50	L	< 2000										B35	L	> 5000
145				B75	L	< 2000				B77	L	< 2000																									B35	L	2000-5000
147				B75	L	2000-5000				B77	L	< 2000																									B35	L	2000-5000
149				B75	L	2000-5000				B77	L	2000-5000																									B35	L	2000-5000
157				B75	L	2000-5000				B77	L	< 2000										B49	L	< 2000													B35	L	2000-5000
160				B75	L	< 2000				B77	L	< 2000																									B35	L	2000-5000
162				B75	L	< 2000				B77	L	< 2000																									B35	L	2000-5000
164				B75	L	2000-5000				B77	L	< 2000																									B35	L	2000-5000
165																																							
169	B63	L	< 2000	B75	L	2000-5000	B76	L	< 2000																												B35	L	2000-5000
181				B75	L	< 2000				B77	L	< 2000										B49	L	< 2000													B35	L	< 2000
185				B75	L	< 2000																															B35	L	< 2000
195				B75	L	< 2000																															B35	L	2000-5000
197																																					B35	L	< 2000
204				B75	L	2000-5000				B77	L	< 2000																									B35	L	2000-5000
206				B75	L	< 2000				B77	L	< 2000																									B35	L	2000-5000
209				B75	L	2000-5000				B77	L	< 2000										B49	L	< 2000	B50	L	< 2000										B35	L	2000-5000
214																																							
216																																					B35	L	< 2000
218				B75	L	< 2000				B77	L	< 2000																									B35	L	< 2000
222	B63	F		B75	F								B38	F		B58	F		B18	F		B49	F		B50	F					B55	F		B56	F		B35	F	
227				B75	L	< 2000				B77	L	< 2000																									B35	L	2000-5000
229																																							
232																																					B35	L	< 2000
239																																							
242				B75	L	2000-5000				B77	L	2000-5000																									B35	L	2000-5000
252																																					B35	L	< 2000
267																																					B35	L	< 2000
268																																							
273				B75	L	2000-5000				B77	L	< 2000																									B35	L	2000-5000
277				B75	L	< 2000				B77	L	< 2000																									B35	L	2000-5000
284				B75	L	< 2000				B77	L	< 2000																									B35	L	2000-5000
293				B75	L	< 2000																															B35	L	< 2000
302																												B54	L	< 2000							B35	L	< 2000
303				B75	L	< 2000				B77	L	< 2000																									B35	L	2000-5000
309																																					B35	L	< 2000
351				B75	L	< 2000				B77	L	< 2000																									B35	L	2000-5000
361																																					B35	L	< 2000

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

Number	2	< 2000	57	< 2000	1	< 2000	47	< 2000	1	< 2000	1	< 2000	1	< 2000	13	< 2000	5	< 2000	1	< 2000	1	< 2000	1	< 2000	67	< 2000
Total	70	1	70	33	70	1	70	36	70	0	70	0	70	0	70	12	70	4	70	1	70	0	70	0	70	21
		2000-5000		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		23		0		11		0		0		0		0		0		0		0		0		43
		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000
		0		0		0		0		0		0		0		0		0		0		0		0		2

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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 308/2017

DESPATCHED ON 13TH JUNE 2017

HLA specificity for assessment

Consensus	B37			B61			B42			B47			B53			B71			B72			B78			Cw2			Cw9			Cw4			Cw12			Cw14			Cw17		
% reported	Absent 2.9%			Absent 1.4%			Absent 1.4%			Absent 1.4%			Present 92.9%			Not Assessed 74.3%			Absent 1.4%			Present 85.7%			Absent 2.9%			Absent 1.4%			Absent 1.4%			Absent 4.3%			Absent 1.4%			Absent 1.4%		
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	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9													B53	L	2000-5000	B71	L	2000-5000				B78	L	2000-5000																		
11													B53	L	< 2000	B71	L	< 2000				B78	L	< 2000																		
12													B53	L	2000-5000	B71	L	2000-5000				B78	L	2000-5000																		
14	B37	L	< 2000										B53	L	2000-5000	B71	L	2000-5000				B78	L	2000-5000	Cw2	L	< 2000							Cw12	L	< 2000						
15													B53	L	< 2000	B71	L	< 2000				B78	L	< 2000																		
19													B53	L	< 2000	B71	L	< 2000				B78	L	< 2000																		
20													B53	L	2000-5000							B78	L	2000-5000																		
23													B53	L	2000-5000	B71	L	2000-5000				B78	L	2000-5000																		
24													B53	L	2000-5000	B71	L	< 2000				B78	L	2000-5000																		
25													B53	L	< 2000	B71	L	< 2000				B78	L	< 2000																		
26													B53	L	< 2000							B78	L	< 2000																		
28													B53	L	2000-5000	B71	L	< 2000				B78	L	2000-5000																		
34	B37	L	< 2000										B53	L	< 2000	B71	L	< 2000				B78	L	< 2000																		
35													B53	L	2000-5000	B71	L	< 2000				B78	L	< 2000																		
38													B53	L	2000-5000	B71	L	< 2000				B78	L	2000-5000																		
39													B53	L	< 2000	B71	L	< 2000				B78	L	2000-5000																		
41													B53	L	2000-5000	B71	L	2000-5000				B78	L	2000-5000																		
42													B53	L	2000-5000	B71	L	< 2000				B78	L	< 2000																		
45													B53	L	2000-5000	B71	L	2000-5000				B78	L	2000-5000																		
48													B53	L	2000-5000	B71	L	2000-5000				B78	L	2000-5000																		
51													B53	L	2000-5000	B71	L	2000-5000				B78	L	> 5000																		
54													B53	L	2000-5000	B71	L	2000-5000				B78	L	2000-5000																		
58													B53	L	< 2000	B71	L	< 2000				B78	L	< 2000																		
62													B53	L	2000-5000	B71	L	< 2000				B78	L	2000-5000																		
100													B53	L	< 2000							B78	L	< 2000																		
112													B53	L	< 2000	B71	L	< 2000				B78	L	< 2000																		
114													B53	L	2000-5000	B71	L	< 2000				B78	L	2000-5000																		
116													B53	L	2000-5000	B71	L	2000-5000				B78	L	2000-5000																		
117													B53	L	2000-5000	B71	L	< 2000				B78	L	2000-5000																		
119													B53	L	2000-5000	B71	L	2000-5000				B78	L	2000-5000																		
120													B53	L	< 2000	B71	L	< 2000				B78	L	< 2000																		
133													B53	L	< 2000																											
136													B53	L	2000-5000	B71	L	2000-5000				B78	L	2000-5000																		
142													B53	L	2000-5000	B71	L	< 2000				B78	L	< 2000																		
143													B53	L	> 5000	B71	L	2000-5000				B78	L	2000-5000																		
145													B53	L	2000-5000	B71	L	< 2000				B78	L	2000-5000																		
147													B53	L	2000-5000	B71	L	< 2000				B78	L	2000-5000																		
149																																										
157													B53	L	2000-5000	B71	L	2000-5000				B78	L	2000-5000																		
160													B53	L	2000-5000	B71	L	< 2000				B78	L	2000-5000																		
162													B53	L	< 2000	B71	L	< 2000				B78	L	< 2000																		
164													B53	L	2000-5000	B71	L	2000-5000				B78	L	2000-5000																		
165																																										
169													B53	L	2000-5000				B72	L	< 2000	B78	L	2000-5000																		
181													B53	L	< 2000	B71	L	< 2000				B78	L	< 2000																		
185													B53	L	< 2000							B78	L	< 2000																		
195													B53	L	2000-5000							B78	L	< 2000																		
197													B53	L	< 2000																											
204													B53	L	2000-5000	B71	L	2000-5000				B78	L	2000-5000																		
206													B53	L	2000-5000	B71	L	< 2000				B78	L	2000-5000																		
209													B53	L	2000-5000	B71	L	2000-5000				B78	L	2000-5000																		
214																																										
216													B53	L	< 2000																											
218													B53	L	< 2000	B71	L	< 2000				B78	L	< 2000																		
222				B61	F		B42	F		B47	F		B53	F		B71	F					B78	F					Cw9	F		Cw4	F		Cw12	F		Cw14	F		Cw17	F	
227													B53	L	2000-5000	B71	L	< 2000				B78	L	< 2000																		
229																																										
232													B53	L	< 2000							B78	L	< 2000																		
239																																										
242													B53	L	2000-5000	B71	L	2000-5000				B78	L	2000-5000																		
252																																										
267													B53	L	< 2000																											
268																																										
273													B53	L	2000-5000	B71	L	< 2000				B78	L	2000-5000																		
277													B53	L	2000-5000	B71	L	< 2000				B78	L	< 2000																		
284													B53	L	< 2000	B71	L	< 2000				B78	L	< 2000																		
293													B53	L	< 2000	B71	L	< 2000				B78	L	< 2000																		
302													B53	L	< 2000	B71	L	< 2000				B78	L	< 2000																		
303													B53	L	2000-5000	B71	L	< 2000				B78	L	< 2000	Cw2	L	< 2000							Cw12	L	< 2000						
309													B53	L	< 2000																											
351													B53	L	2000-5000	B71	L	< 2000				B78	L	2000-5000																		
361													B53	L	< 2000							B78	L	< 2000																		

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

Number	2	< 2000	1	< 2000	1	< 2000	1	< 2000	65	< 2000	52	< 2000	1	< 2000	60	< 2000	2	< 2000	1	< 2000	1	< 2000	3	< 2000	1	< 2000	1	< 2000
Total number	70	2	70	0	70	0	70	0	70	25	70	33	70	1	70	26	70	2	70	0	70	0	70	2	70	0	70	0
		2000-5000		2000-5000		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		38		18		0		32		0		0		0		0		0		0
		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000
		0		0		0		0		1		0		0		1		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 308/2017

DESPATCHED ON 13TH JUNE 2017

Lab no.	Techniques used IgG	Sample Treatment IgG	High Background	Neg control serum batch	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
9	L	EDTA	N			LS1A04	1000	7600	43								
11	L	EDTA	N	NC17		LS1A04	500	3084	22	LSM12	2.5	3377	34				
12	L	EDTA	N	LOT17		LS1A04	500	9355	42	LSM12	3	9978	102				
14	L	HEAT/EDTA	N	017		LS1A04	1500	10484	35								
15	L	EDTA	N	17	A*30:01	LS1A04	1000	7279.15	90.87								
19	L	None	N		A*30:01	LS1A04	1000	8963	57								
20	L	Beads/EDTA	N			LS1A04	2000	10261	19								
23	L	EDTA	N	017		LS1A04	1000	9772	23.61								
24	L	EDTA	N	017		LS1A04	1000	8299	37	LSM12	4.5	8246	36	LS1PRA	1000	14348	62
25	L	EDTA	N	016		LS1A04	1000	10032	28	LSM12	7.1	9718	110	LSA1	1500	17469	147
26	L	EDTA		017													
28	L	None	N	17	A*30:01	LS1A04	500	8895	31								
34	L	EDTA	N	016	A*30:01	LS1A04	1000	10412	32								
35	L	EDTA	N	017		LS1A04	1000	10483	10								
38	L	EDTA	N			LS1A04	1400	14224	17	LS1PRA		18145	131				
39	L	EDTA	N	LS-NC015	A*30:01	LS1A04	1500	9012	21								
41	L	None	N			LS1A04	2000	6219	83								
42	C/L	EDTA	N	017	A*30:01	LS1A04	500	6161	33								
45	L	Beads/EDTA	N		A*30:01	LS1A04	1500	12000	80								
48	L	HEAT	N	17													
51	L		N		A*30:01	LS1A04	2500	8997	132								
54	L	EDTA	Y	016	A*30:01	LS1A04	750	3668	566								
58	L	EDTA	N	016		LS1A04	1000	7613	27	LSM12	3	7577	51				
62	L	None	N			LS1A04	1000	9087	43.69								
100	L		N			LSA1	500	17728	361								
112	L	None	N	017/11166B		LS1A04	Score 6	9748	2225	LSA1	500	23064	427				
114	L	EDTA	N			LS1A04	1000	7518	16								
116	C/L	EDTA	N	17		LS1A04	1000	8273	16	LSM12		8096	205				
117	E/L	None	N	016		LS1A04	500	9763	15								
119	L	EDTA	N	016		LS1A04	>1000	13114	679	LSM12	>1.5	9335	34				
120	L	EDTA				LS1A04	500	7805.9	18.48								
133	L	Heat	N	08256B	A*43:01 B*35:01 B*35:08 B*53:01	LSA1	500	17895	361								
136	C/L	None	N		A*30:01	LS1A04	1000	11204	44								
142	L	EDTA	N		B*35:01 B*53:01 B*51:01 B*78:01 B*15:10 B*15:13	LS1A04	1000	8558	18								
143	L	None	N	017		LS1A04	1000	10170	84								
145	L	None	N			LS1A04	1000	6714	32								
147	L	EDTA			A210, B5103, B3902, B4005 not tested	LS1A04	>1500	10394	29	LSM12	>5	3885	8				
149	L	Dil	Y			LSA1		16387	133								
157	L	EDTA	N	16	A*30:01	LS1A04	1000	48.97	10978								
160	L	Beads	N	16		LS1A04	1000	7460	8.1								
162	L	EDTA	N			LS1A04	1000	7639	19	LSM12	3	7816	22				
164	L	EDTA	N			LS1A04	1500	7597	97								
165																	
169	L	None	N	IH		LS1A04	1000	2497	13								
181	L	None	N	16		LS1A04	500	10085	20								
185	L	EDTA	N			LSA1	2	16505	290	LM1	0	19680	102				
195	L	None	N			LS1A04	2000	7877	44								
197	L	None															
204	L	EDTA	N	LSNC		LS1A04	1000	11408	19								
206	C/L	EDTA	N			LS1A04	1000	9889	22								
209	L	Beads/EDTA	N		A*30:01	LS1A04	500	12274	150								
214						LSA1											
216	L	None		3005067		LM1	788	20146	39	LMX		19158					
218	L	Heat	N		A*43:01 B*35:01 B*35:08 B*78:01 B*15:02/B75 B*15:13/B77 B*15:18/B71 B*51:01 B*53:01	LSA1		19281									
222	F	None															
227	L	Dil/EDTA	N														
229																	
232	L	None	N		B*51:02 B*35:01 B*51:01 B*53:01 B*78:01	LS1A04	1200	5930	23								
239	L	None	N			LM1	1200	19672	385								
242	L	Beads				LS1A04		20813	35								
252	L	None				LM1	2	20294	112								
267	L	EDTA	N			LSA1	500	12591	187								
268	C/L	None	N			LSA1	1500	19038	262	LM1	1000	20558	76				
273	L	None	N			LS1A04	1500	8223	28								
277	L	EDTA	N		016	LS1A04	500	6265	15								
284	L	EDTA	N			LS1A04	1000	8511	23								
293	L	None	N			LS1A04	500	6220	17.8	LS1PRA	500	6220	17.8				
302	L	None															
303	L	HEAT/EDTA	Y		017	LS1A04	1000	6979	32								
309	L	None	N			LSA1	900	14500									
351	L	EDTA	N	017		LS1A04	1500	10080	21								
361	L	None	N	3005262		LSA1	500	16655	215								

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 309/2017

DESPATCHED ON 13TH JUNE 2017

HLA specificity for assessment

	A2			A23			A24			A2403			A26			A34			A29			A30			A31			A33			A74			A68		
Consensus	Absent			Absent			Absent			Absent			Absent			Absent			Absent			Not Assessed			Not Assessed			Absent			Absent			Absent		
% reported	1.4%			4.3%			1.4%			2.9%			1.4%			1.4%			1.4%			8.6%			8.6%			1.4%			1.4%			1.4%		
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	spec	tech	MFI	spec	tech	MFI
9																																				
11																																				
12																																				
14																						A30	L	2000-5000	A31	L	2000-5000									
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48																						A30	L	2000-5000	A31	L	2000-5000									
51																																				
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58																																				
62																																				
100				A23	L	< 2000				A2403	L	< 2000																								
112																																				
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214																																				
216																																				
218				A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000										A30	L	2000-5000	A31	L	2000-5000									
222				A23	F								A26	F		A34	F								A31	F		A33	F		A74	F		A68	F	
227																																				
229																																				
232																																				
239																																				
242	A2	L	< 2000																A29	L	< 2000	A30	L	< 2000												
252																																				
267																																				
268																						A30	C		A31	C										
273																						A30	L	2000-5000	A31	L	2000-5000									
277																																				
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303																																				
309																																				
351																																				
361																																				

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

Number	1	< 2000	3	< 2000	1	< 2000	2	< 2000	1	< 2000	1	< 2000	1	< 2000	6	< 2000	6	< 2000	1	< 2000	1	< 2000	1	< 2000
Total number	70	1	70	2	70	1	70	2	70	0	70	0	70	1	70	1	70	0	70	0	70	0	70	0
		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		4		4		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 309/2017

DESPATCHED ON 13TH JUNE 2017

HLA specificity for assessment

	A69			A43			A80			B51			B52			B8			B45			B13			B65			B62			B63			B75			B39		
Consensus	Absent			Absent			Absent			Absent			Absent			Absent			Absent			Absent			Absent			Absent			Absent			Absent			Absent		
% reported	1.4%			4.3%			1.4%			1.4%			1.4%			1.4%			1.4%			1.4%			1.4%			1.4%			1.4%			1.4%			1.4%		
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	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
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48				A43	L	< 2000																																	
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112																																							
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117																																							
119				A43	L	< 2000																																	
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214																																							
216																																							
218																																							
222	A69	F					A80	F		B51	F		B52	F		B8	F		B45	F		B13	F		B65	F		B62	F		B63	F		B75	F		B39	F	
227																																							
229																																							
232																																							
239																																							
242				A43	L	< 2000																																	
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351																																							
361																																							

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

Number reporting Sepc	1	< 2000		3	< 2000		1	< 2000		1	< 2000		1	< 2000		1	< 2000		1	< 2000		1	< 2000		1	< 2000		1	< 2000		1	< 2000		1	< 2000		1	< 2000	
Total number of particip	70	0		70	3		70	0		70	0		70	0		70	0		70	0		70	0		70	0		70	0		70	0		70	0		70	0	
		2000-5000			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			0			0			0			0			0		
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0			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 309/2017

DESPATCHED ON 13TH JUNE 2017

HLA specificity for assessment

	B57			B58			B50			B55			B56			B35			B60			B61			B41			B42			B47			B48			B53		
Consensus	Not Assessed			Not Assessed			Absent			Absent			Absent			Absent			Absent			Not Assessed			Absent			Absent			Absent			Not Assessed			Absent		
% reported	10.0%			10.0%			1.4%			1.4%			1.4%			1.4%			2.9%			5.7%			1.4%			1.4%			1.4%			21.4%			1.4%		
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	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9	B57	L	< 2000	B58	L	< 2000																												B48	L	< 2000			
11																																							
12	B57	L	2000-5000	B58	L	< 2000																												B48	L	< 2000			
14																																							
15																																		B48	L	2000-5000			
19																																							
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23																																							
24																																							
25																																							
26																																							
28	B57	L	< 2000	B58	L	< 2000																												B48	L	< 2000			
34																																							
35																																							
38																																							
39																																		B48	L	< 2000			
41																																							
42																			B60	L	< 2000	B61	L	< 2000										B48	L	2000-5000			
45	B57	L	< 2000																															B48	L	2000-5000			
48	B57	L	< 2000	B58	L	< 2000																												B48	L	< 2000			
51																																							
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117	B57	L	< 2000	B58	L	< 2000																																	
119																																							
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133																																							
136																																							
142																			B60	L	< 2000	B61	L	< 2000										B48	L	> 5000			
143																																							
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164																																		B48	L	< 2000			
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206																																		B48	L	< 2000			
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214																																							
216																																							
218																																							
222				B58	F		B50	F		B55	F		B56	F		B35	F					B61	F		B41	F		B42	F		B47	F					B53	F	
227																																							
229																																							
232																																							
239																																							
242	B57	L	< 2000	B58	L	< 2000																B61	L	< 2000										B48	L	< 2000			
252																																							
267																																							
268																																							
273																																							
277																																							
284																																		B48	L	< 2000			
293																																							
302																																							
303																																							
309																																							
351																																		B48	L	< 2000			
361																																							

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

Number	7	< 2000		7	< 2000		1	< 2000		1	< 2000		1	< 2000		1	< 2000		2	< 2000		4	< 2000		1	< 2000		1	< 2000		1	< 2000		15	< 2000		1	< 2000	
Total number	70	6		70	6		70	0		70	0		70	0		70	0		70	2		70	3		70	0		70	0		70	0		70	11		70	0	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		1			0			0			0			0			0			0			0			0			0			0			3			0	
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0			0			0			0			0			0			0			0			0			0			0			1			0	

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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 309/2017

DESPATCHED ON 13TH JUNE 2017

HLA specificity for assessment

	B59			B71			B72			B78			B81			Cw9			Cw14			Cw16			Cw17		
Consensus	Absent			Absent			Absent			Absent			Absent			Absent			Absent			Absent			Absent		
% reported	1.4%			1.4%			1.4%			1.4%			4.3%			1.4%			1.4%			1.4%			1.4%		
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
9																											
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38																											
39																											
41																											
42													B81	L	< 2000												
45																											
48																											
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112																											
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117																											
119																											
120																											
133																											
136																											
142													B81	L	2000-5000												
143																											
145																											
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214																											
216																											
218																											
222	B59	F		B71	F		B72	F		B78	F					Cw9	F		Cw14	F		Cw16	F		Cw17	F	
227																											
229																											
232																											
239																											
242													B81	L	< 2000												
252																											
267																											
268																											
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277																											
284																											
293																											
302																											
303																											
309																											
351																											
361																											

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

Number	1	< 2000	1	< 2000	1	< 2000	1	< 2000	3	< 2000	1	< 2000	1	< 2000	1	< 2000	1	< 2000
Total number	70	0	70	0	70	0	70	0	70	2	70	0	70	0	70	0	70	0
		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
		0		0		0		0		1		0		0		0		0
		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000
		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 309/2017

DESPATCHED ON 13TH JUNE 2017

Lab no.	Techniques used IgG	Sample Treatment IgG	High Background	Neg control serum batch	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
9	L	EDTA	N			LS1A04	1000	7500	30								
11	L	None	N	NC17		LS1A04	500	5145	13	LSM12	2.5	4840	28				
12	L	None	N	LOT17		LS1A04	500	11126	54	LSM12	3	16049	301				
14	L	Heat/EDTA	N	017		LS1A04	1500	13772	43								
15	L	EDTA	N		17	LS1A04	1000	12899	69.1								
19	L	None	N			LS1A04	1000	214	31								
20	L	EDTA	N			LS1A04	2000	10891	188								
23	L	EDTA	N	017		LS1A04	1000	10272	10.17								
24	L	None	N	017		LSM12	4.5	12370	175	LS1PRA	1000	15672	384				
25	L	EDTA	N	016		LS1A04	1000	10668	32	LSM12	7.1	15025	122				
26	L	EDTA		017													
28	L	None	N	17		LS1A04	500	12671	27								
34	L	EDTA	N	016		LS1A04	1000	10907	20								
35	L	EDTA	N	017		LS1A04	1000	15184	26								
38	L	EDTA	N			LS1A04		17239	19	LSA1		19000	100				
39	L	EDTA	N	LS-NC015		LS1A04	1700	11686	18								
41	L	None	N			LS1A04	2000	8263	31								
42	C/L	EDTA	N	017		LS1A04	500	8778	31								
45	L	Beads/EDTA	N			LS1A04	1500	15000	50								
48	L	Heat/Beads	N	17													
51	L		N			LS1A04	1800	8296	26								
54	L	EDTA	N	016		LS1A04	750	9485	86								
58	L	EDTA	N	016		LS1A04	1000	13352	106	LSM12	3	14556	378				
62	L	None	N			LS1A04	1500	10992	45.56								
100	L		N			LSA1	500	17521	216								
112	L	None	N	017/11166B		LS1A04	Score 6	9653	1769	LSA1	500	22740	317				
114	L	EDTA	N			LS1A04	1000	8319	10								
116	C/L	EDTA	N	17		LS1A04	1000	9372	18	LSM12		10032	94				
117	E/L	None	N	016		LS1A04	500	11999	13								
119		EDTA	N	016		LS1A04	>1000	13850	23	LSM12	>1.5	8424	36				
120	L	EDTA				LS1A04	500	7791.7	93.83								
133	L	Heat	N	08256B		LSA1	18909	289									
136	C/L	None	N			LS1A04	1000	14768	44								
142	L	EDTA	N		B*48:01 B*81:01 B*40:02 B*40:01	LS1A04	1000	9928	12								
143	L	None	N	017		LS1A04	1000	12449	27								
145	L	None															
147	L	EDTA				LS1A04	>1500	13059	33	LSM12	>5	4772	21				
149	L	Dil	Y			LSA1		16876									
157	L	EDTA	N	16		LS1A04	1000	20.79	10907								
160	L	Beads	N	16		LS1A04	1000	11760	8.4								
162	L	EDTA	N			LSM12	3	8694	22								
164	L	EDTA	N	21,72		LS1A04	1500	10469	59								
165																	
169	L	None	N	IH		LS1A04	1000	4587	16								
181	L		N	16		LS1A04	500	11231	41								
185	L	EDTA	N		A30, A31 only in CDC	LSA1	2	15223	232	LM1	0	18421	62				
195	L	None	N			LS1A04	2000	10681	35								
197	L	None															
204	L	EDTA	N	LSNC		LS1A04	1000	9827	36								
206	C/L	EDTA	N			LS1A04	1000	12290	23								
209	L	Beads/EDTA	N			LS1A04	500	15348	11								
214						LSA1											
216	L	None		3005067		LM1	900	22692	194	LMX		16670					
218	L	Heat	N		A*30:01 A*31:01 A*23:01 A*24:03	LSA1		18871									
222	F	None															
227	L	Dil/EDTA	N														
229																	
232	L	None	N	NC17		LS1A04	1200	10646	86								
239	L	None	N			LM1	1000	17431	522								
242	L	Beads				LS1A04		20080	25								
252	L	None				LM1	2	16744	79								
267	L	EDTA	N			LSA1	500	12643	204								
268	C/L	None	N			LSA1	1500	19146	256	LM1	1000	19207	146				
273	L	DTT	N		A*30:02	LS1A04	1500	12404	104								
277	L	EDTA	N	016		LS1A04	500	5800	9								
284	L	EDTA	N			LS1A04	1000	10596	21								
293	L	None	N			LS1A04	500	6559	12.5	LS1PRA	500	6559	12.5				
302	L	None															
303	L	EDTA	N			LS1A04	1000	7289	15								
309	L	None	N			LSA1	1000	14500	150								
351	L	EDTA	N	017		LS1A04	1500	14907	17								
361	L	None	N	3005262		LSA1	500	16060	303								

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 310/2017

DESPATCHED ON 13TH JUNE 2017

HLA specificity for assessment

	A2			A203			A24			A2403			A25			A26			A34			A66			A29			A68			A69			A43		
Consensus	Absent			Absent			Absent			Absent			Not Assessed			Absent			Not Assessed			Not Assessed			Absent			Absent			Absent			Not Assessed		
% reported	1.4%			2.9%			2.9%			2.9%			15.7%			1.4%			8.6%			20.0%			1.4%			2.9%			1.4%			10.0%		
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	< 2000	A203	L	< 2000							A25	L	< 2000				A34	L	< 2000	A66	L	< 2000										A43	L	< 2000
11																																				
12																																				
14																																				
15																																				
19																																				
20																																				
23																																				
24																																				
25																																				
26																																				
28				A203	L	< 2000							A25	L	< 2000				A34	L	< 2000	A66	L	< 2000										A43	L	< 2000
34																																				
35																																				
38																																				
39																																				
41																																				
42													A25	L	< 2000							A66	L	< 2000												
45																																				
48																																				
51																																				
54																			A34	L	< 2000	A66	L	< 2000	A29	L	< 2000	A68	L	< 2000				A43	L	< 2000
58																																				
62																																				
100							A24	L	< 2000	A2403	L	< 2000																								
112													A25	L	< 2000				A34	L	< 2000	A66	L	< 2000										A43	L	< 2000
114																																				
116																																				
117													A25	L	< 2000							A66	L	< 2000										A43	L	< 2000
119																																				
120																																				
133																																				
136													A25	L	< 2000							A66	L	< 2000										A43	L	< 2000
142																																				
143																																				
145																																				
147																																				
149																																				
157																																				
160																																				
162																																				
164													A25	L	< 2000							A66	L	< 2000												
165																																				
169																						A66	L	< 2000												
181													A25	L	< 2000							A66	L	< 2000												
185													A25	L	< 2000																					
195																																				
197																																				
204																																				
206																						A66	L	< 2000												
209													A25	L	< 2000							A66	L	< 2000										A43	L	< 2000
214																																				
216																																				
218							A24	L	< 2000	A2403	L	< 2000										A66	L	< 2000												
222																A26	F		A34	F								A68	F		A69	F				
227																																				
229																																				
232																																				
239																																				
242																			A34	L	< 2000	A66	L	< 2000												
252																																				
267																																				
268																																				
273																																				
277																																				
284																																				
293																																				
302													A25	L	2000-5000																					
303																																				
309																																				
351																																				
361																																				

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

Number	1	< 2000		2	< 2000		2	< 2000		2	< 2000		11	< 2000		1	< 2000		6	< 2000		14	< 2000		1	< 2000		2	< 2000		1	< 2000		7	< 2000	
Total number	70	1		70	2		70	2		70	2		70	10		70	0		70	5		70	14		70	1		70	1		70	0		70	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			0			0			0			1			0			0			0			0			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 310/2017

DESPATCHED ON 13TH JUNE 2017

HLA specificity for assessment

	B52			B8			B45			B65			B63			B57			B58			B18			B49			B50			B55			B56			B46		
Consensus	Absent			Absent			Absent			Absent			Not Assessed			Not Assessed			Absent			Absent			Absent			Absent			Absent			Absent			Not Assessed		
% reported	1.4%			1.4%			1.4%			1.4%			7.1%			21.4%			2.9%			1.4%			1.4%			1.4%			2.9%			1.4%			10.0%		
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	spec	tech	MFI
9																B57	L	< 2000	B58	L	< 2000																	B46	L	< 2000
11																																							
12																B57	L	2000-5000																					
14				B8	L	< 2000																																B46	L	2000-5000
15																																							
19																																							
20																																							
23																B57	L	L																					
24																																							
25																																							
26																																							
28													B63	L	< 2000	B57	L	< 2000																				B46	L	< 2000
34																																							
35																																							
38																																							
39																																							
41																																							
42																																							
45																																							
48																																							
51																																							
54													B63	L	< 2000	B57	L	< 2000																				B46	L	< 2000
58																																							
62																																							
100																																							
112																B57	L	< 2000																				B46	L	< 2000
114																																							
116																																							
117																B57	E/L	< 2000																					
119																																							
120																																							
133																																							
136													B63	L	< 2000	B57	L	< 2000																				B46	L	< 2000
142																B57	L	< 2000																					
143																																							
145																																							
147																																							
149																																							
157																																							
160																																							
162																																							
164																B57	L	< 2000																					
165																																							
169																B57	L	< 2000				B18	L	< 2000	B49	L	< 2000												
181																																							
185																																							
195																																							
197																																							
204																																							
206																B57	L	< 2000																					
209													B63	L	< 2000	B57	L	< 2000																				B46	L	< 2000
214																																							
216																																							
218																																							
222	B52	F					B45	F		B65	F		B63	F					B58	F								B50	F		B55	F		B56	F				
227																																							
229																																							
232																																							
239																															B55	L	< 2000						
242																B57	L	< 2000																					
252																																							
267																																							
268																																							
273																																							
277																B57	L	< 2000																					
284																																							
293																																							
302																																							
303																																							
309																																							
351																																							
361																																							

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

Number	1	< 2000	1	< 2000	1	< 2000	1	< 2000	5	< 2000	15	< 2000	2	< 2000	1	< 2000	1	< 2000	1	< 2000	1	< 2000	2	< 2000	1	< 2000	7	< 2000
Total number	70	0	70	1	70	0	70	0	70	4	70	13	70	1	70	1	70	1	70	1	70	0	70	1	70	0	70	6
		2000-5000		2000-5000		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		1		0		0		0		0		0		0		0		1
		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000
		0		0		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 310/2017

DESPATCHED ON 13TH JUNE 2017

HLA specificity for assessment

	B53			B59			Cw1			Cw9			Cw10			Cw4			Cw5			Cw8			Cw12			Cw14			Cw15			Cw17		
Consensus	Absent			Absent			Not Assessed			Not Assessed			Not Assessed			Absent			Absent			Absent			Not Assessed			Absent			Absent			Absent		
% reported	1.4%			1.4%			8.6%			8.6%			8.6%			1.4%			1.4%			4.3%			7.1%			2.9%			1.4%			1.4%		
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	spec	tech	MFI	spec	tech	MFI
9										Cw9	L	< 2000	Cw10	L	< 2000																					
11																																				
12																																				
14							Cw1	L	2000-5000	Cw9	L	2000-5000	Cw10	L	< 2000				Cw5	L	< 2000				Cw12	L	< 2000									
15																																				
19																																				
20																																				
23																																				
24																																				
25																																				
26																																				
28							Cw1	L	< 2000	Cw9	L	< 2000	Cw10	L	< 2000										Cw12	L	< 2000									
34																																				
35																																				
38																																				
39																																				
41																																				
42																																				
45																																				
48																																				
51																																				
54							Cw1	L	< 2000	Cw9	L	< 2000	Cw10	L	< 2000	Cw4	L	< 2000				Cw8	L	< 2000	Cw12	L	2000-5000	Cw14	L	< 2000	Cw15	L	< 2000	Cw17	L	< 2000
58																																				
62																																				
100																																				
112							Cw1	L	< 2000	Cw9	L	< 2000	Cw10	L	< 2000							Cw8	L	< 2000	Cw12	L	< 2000	Cw14	L	< 2000						
114																																				
116																																				
117																																				
119																																				
120																																				
133																																				
136																									Cw12	L	< 2000									
142																																				
143																																				
145																																				
147																																				
149																																				
157																																				
160																																				
162																																				
164																																				
165																																				
169																																				
181																																				
185																																				
195																																				
197																																				
204																																				
206																																				
209																																				
214																																				
216																																				
218																																				
222	B53	F		B59	F		Cw1	F																												
227																																				
229																																				
232																																				
239																																				
242							Cw1	L	< 2000	Cw9	L	< 2000	Cw10	L	< 2000							Cw8	L	< 2000												
252																																				
267																																				
268																																				
273																																				
277																																				
284																																				
293																																				
302																																				
303																																				
309																																				
351																																				
361																																				

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

Number	1	< 2000	1	< 2000	6	< 2000	6	< 2000	6	< 2000	1	< 2000	1	< 2000	3	< 2000	5	< 2000	2	< 2000	1	< 2000	1	< 2000
Total number	70	0	70	0	70	4	70	5	70	6	70	1	70	1	70	3	70	4	70	2	70	1	70	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		1		1		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 310/2017

DESPATCHED ON 13TH JUNE 2017

Lab no.	Techniques used IgG	Sample Treatment IgG	High Background	Neg control serum batch	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
9	L	EDTA	N			LS1A04	500	11000	35								
11	L	None	N	NC17		LSM12	2.5	5043	26								
12		EDTA	N	LOT17		LS1A04	500	13626	30	LSM12	3	14250	68				
14	L	Heat/EDTA	N	017		LS1A04	1500	13127	35								
15	L	EDTA	N		17 CI - NEGATIVE	LS1A04	1000	14836	81								
19	L	None	N			LS1A04	1000	1192	26								
20	L	EDTA	N			LS1A04	2000	10798	22								
23	L	EDTA	N	017	B*57:03	LS1A04	1000	13184	13.57								
24	L	None	N	017		LSM12	4.5	12282	47	LS1PRA	1000	15811	73				
25	L	EDTA	N	016		LS1A04	1000	11496	26	LSM12	7.1	9450	73				
26	L	EDTA	N	017													
28	L	None	N	17	A*02:03 A*34:02	LS1A04	500	11173	29								
34	L	EDTA	N	016		LS1A04	1000	11904	15								
35	L	EDTA	N			LS1A04	1000	16145	15								
38	L	EDTA	N			LS1A04		16313	18	LS1PRA		19462	113				
39	L	EDTA	N	LS-NC015		LS1A04	Negative	12691	13								
41	L	None	N			LS1A04	2000	9019	44								
42	C/L	EDTA	N		A*66:02	LS1A04	500	8982	35								
45	L	Beads/EDTA	N			LS1A04	1500	7000	50								
48	L	Heat	N	17													
51	L		N			LS1A04	1600	13200	36								
54	L	EDTA	N	016	A*29:02 A*34:02 A*68:02	LS1A04	750	15102	92								
58	L	EDTA	N	016		LS1A04	1000	9477	35	LSM12	3	9389	41				
62	L	EDTA	N			LS12PRA		12763	49.66								
100	L		N			LSA1	500	18444	272								
112	L	None	N	017/11166B		LS1A04	Score 6	11344	2002	LSA1	500	22312	302				
114	L	EDTA	N			LS1A04	1000	9990	14								
116	C/L	EDTA	N	17		LSM12		10872	37								
117	E/L	None	N	016		LS1A04	500	12511	16								
119		EDTA	N	016		LS1A04	>1000	12308	33	LSM12	>1.5	13368	30				
120	L	EDTA				LS1A04	500	10734	14.8								
133	L	Heat	N	08256B		LSA1		19339	294								
136	C/L	None	N			LS1A04	1000	14667	30								
142	L	EDTA	N		B*57:03	LS1A04	1000	12284	25								
143	L	None	N	017		LS1A04	1000	13294	30								
145	L	None	N														
147	L	EDTA				LS1A04	>1500	12231	26	LSM12	>5	5762	11				
149	L	None	N			LSA1		9616	125								
157	L	EDTA	N	16		LS1A04	1000	14.71	11887								
160	L	Beads	N	16		LS1A04	1000	9720	10.7								
162	L	EDTA	N			LSM12	3	10020	21								
164	L	EDTA	N	48	anti B*57:01	LS1A04	1500	11751	48								
165																	
169	L	None	N	IH		LS1A04	1000	7677	24								
181	L	None	N	16		LS1A04	500	11231	41								
185	L	EDTA	N		anti-A25 only on native HLA	LSA1	2	13604	141	LM1	0	21346	85				
195	L	None	N			LS1A04	2000	9346	35								
197	L	None															
204	L	EDTA	N	LSNC		LS1A04	1000	9886	29								
206	C/L	EDTA	N			LS1A04	1000	12405	27								
209						LS1A04	500	16023	162								
214						LSA1											
216	L	None		3005067		LM1	1000	22334	419	LMX		18462					
218	L	Heat	N		A*24:02 A*24:03 A*66:01	LSA1		19435									
222	F	None															
227	L	Dil/EDTA	N														
229																	
232	L	None	N	NC17		LS1A04	1200	7701	19								
239	L	None	N			LM1	1000	21328	213								
242	L	Beads				LS1A04		24436	42								
252	L	None				LM1	2	20510	103								
267	L	EDTA	N			LSA1	500	13187	145								
268	C/L	None	N			LSA1	1500	19104	315	LM1	1000	20554	116				
273	L	None	N			LS1A04	1500	9764	20								
277	L	EDTA	N	016	B*57:03	LS1A04	500	8205	15								
284	L	EDTA	N			LS1A04	1000	11813	22								
293	L	None	N			LS1A04		6984	13.9	LS1PRA		6984	13.9				
302	L	None															
303	L	EDTA	N	017		LS1A04		1000	9456	11							
309	L	None	N			LSA1	1000	14000	120								
351	L	EDTA	N	017		LS1A04	1500	13177	15								
361	L	None	N	3005262		LSA1		16408	165								

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

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