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

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 306/2018

DESPATCHED ON 13 NOVEMBER 2018

HLA specificity for assessment

Lab no.	DR17 spec	DR17 tech	DR17 MFI	DR18 spec	DR18 tech	DR18 MFI	DR4 spec	DR4 tech	DR4 MFI	DR11 spec	DR11 tech	DR11 MFI	DR13 spec	DR13 tech	DR13 MFI	DR14 spec	DR14 tech	DR14 MFI	DR8 spec	DR8 tech	DR8 MFI	DR9 spec	DR9 tech	DR9 MFI	DR52 spec	DR52 tech	DR52 MFI	DR53 spec	DR53 tech	DR53 MFI	DQ2 spec	DQ2 tech	DQ2 MFI	DQ7 spec	DQ7 tech	DQ7 MFI	DQ8 spec	DQ8 tech	DQ8 MFI	DQ9 spec	DQ9 tech	DQ9 MFI	DQ4 spec	DQ4 tech	DQ4 MFI
Consensus	Not Assessed			Not Assessed			Absent			Not Assessed			Not Assessed			Not Assessed			Not Assessed			Absent			Not Assessed			Present			Absent			Absent			Absent			Not Assessed			Absent		
% reported	13.9%			8.3%			1.4%			6.9%			20.8%			11.1%			8.3%			1.4%			6.9%			93.1%			2.8%			1.4%			2.8%			12.5%			1.4%		
9																												DR53	L	> 10000															
11																												DR53	L	5001-9999															
12	DR17	L	< 2000							DR11	L	< 2000	DR13	L	< 2000	DR14	L	< 2000										DR53	L	5001-9999															
14																												DR53	L	> 10000															
15																												DR53	L	> 10000															
19																												DR53	L	> 10000															
20																												DR53	L	> 10000															
23													DR13	L	< 2000													DR53	L	5001-9999															
24																												DR53	L	> 10000															
25																												DR53	L	> 10000							DQ8	L	< 2000	DQ9	L	< 2000			
26																												DR53	L	> 10000															
28																												DR53	L	5001-9999										DQ9	L	< 2000			
34																												DR53	L	5001-9999															
35																												DR53	L	5001-9999, > 10000															
38																												DR53	L	> 10000															
39																												DR53	L	5001-9999															
41																												DR53	L	5001-9999															
42	DR17	L	< 2000	DR18	L	< 2000				DR11	L	< 2000	DR13	L	< 2000	DR14	L	< 2000	DR8	L	< 2000				DR52	L	< 2000	DR53	L	5001-9999															
45																												DR53	L	5001-9999															
48																												DR53	L	5001-9999															
51																												DR53	L	> 10000															
54																												DR53	L	> 10000															
58																												DR53	L	> 10000															
62																												DR53	L	> 10000															
100																												DR53	L	2000-5000															
112																												DR53	L	5001-9999															
114																												DR53	L	> 10000															
116																												DR53	L	> 10000															
117																												DR53	L	5001-9999															
119													DR13	L	< 2000													DR53	L	5001-9999, > 10000															
120													DR13	L	< 2000													DR53	L	5001-9999															
133																												DR53	L	2000-5000															
136																												DR53	L	5001-9999										DQ9	L	< 2000			
142																												DR53	L	5001-9999										DQ9	L	< 2000			
143	DR17	L	2000-5000	DR18	L	2000-5000				DR11	L	2000-5000	DR13	L	2000-5000	DR14	L	2000-5000	DR8	L	2000-5000				DR52	L	2000-5000	DR53	L	> 10000										DQ9	L	2000-5000			
145	DR17	L	< 2000										DR13	L	< 2000													DR53	L	2000-5000, 5001-9999															
149	DR17	L	< 2000										DR13	L	< 2000													DR53	L	5001-9999															
157																												DR53	L	> 10000															
160	DR17	L	< 2000										DR13	L	< 2000	DR14	L	< 2000										DR53	L	5001-9999															
162																												DR53	L	5001-9999															
165																												DR53	L	5001-9999										DQ9	L	< 2000			
169																												DR53	L	> 10000															
181																												DR53	L	5001-9999															
185																												DR53	L	5001-9999															
194																												DR53	L	5001-9999															
195																												DR53	L	5001-9999															
197																																													
206																												DR53	L	5001-9999															
212																																													
214																												DR53	L	5001-9999															
216																																													
218																												DR53	L	5001-9999															
222				DR18	L	< 2000	DR4	L	< 2000										DR8	L	< 2000				DR52	L	< 2000	DR53	L	< 2000										DQ9	L	< 2000	DQ4	L	< 2000
227																												DR53	L	5001-9999															
229	NT																																												
230																												DR53	L	5001-9999															
232																												DR53	L	5001-9999															
242																																													
252																																													
267																												DR53	L	2000-5000	DQ2	L	< 2000												
268																												DR53	L	> 10000															
273																												DR53	L	> 10000															
277	DR17	L	< 2000							DR11	L	< 2000	DR13	L	< 2000	DR14	L	< 2000	DR8	L	< 2000				DR52	L	< 2000	DR53	L	5001-9999				DQ7	L	< 2000	DQ8	L	< 2000	DQ9	L	< 2000			
284																												DR53	L	5001-9999															
292	DR17	L	< 2000	DR18	L	< 2000							DR13	L	< 2000	DR14	L	< 2000										DR53	L	5001-9999															
293													DR13	L	< 2000													DR53	L	5001-9999															
294																												DR53	L	2000-5000															
302	DR17	L	< 2000	DR18	L	< 2000							DR13	L	< 2000	DR14	L	< 2000	DR8	L	< 2000	DR9	L	< 2000	DR52	L	< 2000	DR53	L	< 2000										DQ9	L	< 2000			
303	DR17	L	< 2000	DR18	L	< 2000				DR11	L	< 2000	DR13	L	< 2000	DR14	L	< 2000	DR8	L	< 2000							DR53	L	> 10000															
309																												DR53	L	> 10000	DQ2	L	2000-5000												
351																												DR53	L	> 10000															
361																												DR53	L	2000-5000															
392	NT																																												
401	NT																																												
411													DR13	L	< 2000													DR53	L	5001-9999															

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

	DR17	DR18	DR4	DR11	DR13	DR14	DR8	DR9	DR52	DR53	DQ2	DQ7	DQ8	DQ9	DQ4
Number reporting Sepcificity	10	6	1	5	15	8	6	1	5	67	2	1	2	9	1
	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000
Total number of participants	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
	9	5	1	4	14	7	5	1	4	2	1	1	2	8	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	2000-5000	2000-5000	2000-5000
	1	1	0	1	1	1	1	0	1	5	1	0	0	1	0
	5001-9999	5001-9999	5001-9999	5001-9999	5001-9999	5001-9999	5001-9999	5001-9999	5001-9999	5001-9999	5001-9999	5001-9999	5001-9999	5001-9999	5001-9999
	0	0	0	0	0	0	0	0	0	34	0	0	0	0	0
	> 10000	> 10000	> 10000	> 10000	> 10000	> 10000	> 10000	> 10000	> 10000	> 10000	> 10000	> 10000	> 10000	> 10000	> 10000
	0	0	0	0	0	0	0	0	0	25	0	0	0	0	0

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

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 306/2018

DESPATCHED ON 13 NOVEMBER 2018

DPB1* Antibodies - NOT ASSESSED

	04:01			28:01		
Consensus	Absent			Not Assessed		
% reported	2.8%			12.5%		
Lab no.	spec	tech	MFI	spec	tech	MFI
9						
11						
12						
14						
15						
19						
20						
23						
24						
25						
26						
28						
34						
35						
38						
39						
41						
42						
45						
48						
51						
54						
58						
62						
100	04:01	L	< 2000	28:01	L	2000-5000
112				28:01	L	2000-5000
114						
116						
117						
119						
120						
133				28:01	L	2000-5000
136						
142						
143						
145						
149				28:01	L	2000-5000
157						
160						
162						
165						
169						
181						
185						
194						
195						
197						
206						
212						
214				28:01	L	5001-9999
216						
218				28:01	L	2000-5000
222						
227						
229	NT					
230				28:01	L	5001-9999
232						
242						
252						
267	04:01	L	< 2000	28:01	L	< 2000
268						
273						
277						
284						
292						
293						
294						
302						
303						
309						
351						
361				28:01	L	2000-5000
392	NT					
401	NT					
411						

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

Number reporting Sepcificity	2	< 2000	9	< 2000
Total number of participants	72	2	72	1
		2000-5000		2000-5000
		0		6
		5001-9999		5001-9999
		0		2
		> 10000		> 10000
		0		0

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

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 306/2018

DESPATCHED ON 13 NOVEMBER 2018

DQA1* Antibodies - NOT ASSESSED

	03:01			03:02			03:03		
Consensus	Absent			Not Assessed			Absent		
% reported	2.8%			22.2%			4.2%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9									
11									
12				03:02	L	< 2000			
14				03:02	L	2000-5000	03:03	L	< 2000
15									
19									
20									
23									
24				03:02	L	< 2000			
25				03:02	L	< 2000			
26				03:02	L	< 2000			
28				03:02	L	< 2000			
34				03:02	L	< 2000			
35									
38									
39									
41				03:02	L	2000-5000			
42									
45	03:01	L	< 2000	03:02	L	< 2000	03:03	L	< 2000
48									
51									
54									
58									
62									
100									
112									
114									
116									
117				03:02	L	< 2000			
119									
120									
133									
136									
142				03:02	L	< 2000			
143									
145									
149									
157									
160									
162									
165									
169									
181				03:02	L	< 2000			
185									
194									
195	03:01	L	< 2000	03:02	L	< 2000	03:03	L	< 2000
197									
206									
212									
214									
216									
218									
222									
227				03:02	L	< 2000			
229	NT								
230									
232									
242									
252									
267									
268									
273									
277				03:02	L	< 2000			
284									
292									
293									
294									
302									
303				03:02	L	< 2000			
309									
351									
361									
392	NT								
401	NT								
411									

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

Number reporting Sepcificity	2	< 2000	16	< 2000	3	< 2000
Total number of participants	72	2	72	14	72	3
		2000-5000		2000-5000		2000-5000
		0		2		0
		5001-9999		5001-9999		5001-9999
		0		0		0
		> 10000		> 10000		> 10000
		0		0		0

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CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 306/2018

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DPA1* Antibodies - NOT ASSESSED

Consensus % reported	No specificities detected
Lab no.	
9	No specificities detected
11	No specificities detected
12	No specificities detected
14	No specificities detected
15	No specificities detected
19	No specificities detected
20	No specificities detected
23	No specificities detected
24	No specificities detected
25	No specificities detected
26	No specificities detected
28	No specificities detected
34	No specificities detected
35	No specificities detected
38	No specificities detected
39	No specificities detected
41	No specificities detected
42	No specificities detected
45	No specificities detected
48	No specificities detected
51	No specificities detected
54	No specificities detected
58	No specificities detected
62	No specificities detected
100	No specificities detected
112	No specificities detected
114	No specificities detected
116	No specificities detected
117	No specificities detected
119	No specificities detected
120	No specificities detected
133	No specificities detected
136	No specificities detected
142	No specificities detected
143	No specificities detected
145	No specificities detected
149	No specificities detected
157	No specificities detected
160	No specificities detected
162	No specificities detected
165	No specificities detected
169	No specificities detected
181	No specificities detected
185	No specificities detected
194	No specificities detected
195	No specificities detected
197	No specificities detected
206	No specificities detected
212	No specificities detected
214	No specificities detected
216	No specificities detected
218	No specificities detected
222	No specificities detected
227	No specificities detected
229 NT	No specificities detected
230	No specificities detected
232	No specificities detected
242	No specificities detected
252	No specificities detected
267	No specificities detected
268	No specificities detected
273	No specificities detected
277	No specificities detected
284	No specificities detected
292	No specificities detected
293	No specificities detected
294	No specificities detected
302	No specificities detected
303	No specificities detected
309	No specificities detected
351	No specificities detected
361	No specificities detected
392 NT	No specificities detected
401 NT	No specificities detected
411	No specificities detected

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

Number reporting Sepcificity	0	< 2000
Total number of participants	72	0
		2000-5000
		0
		5001-9999
		0
		> 10000
		0

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CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 306/2018

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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 kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative
9	L	EDTA	No			LS2A01	1500	8900	38												
11	L	EDTA	No	19		LS2A01	1000	4957	17	LSM12	2.5	5323	73								
12	L	EDTA		19	DRB1*11:04	LS2A01	500	7801	101												
14	L	Heat Inactivation, EDTA	No	19		LS2A01	1500	10014	30.61												
15	L	EDTA	No	19		LS2A01	1000	13079.16	90.97												
19	L	EDTA	No			LS2A01	1000	7887	22												
20	C, L	Adsorption Beads, EDTA	No	19		LS2A01	1000	10896.66	18.59												
23	L	EDTA	No	19	DRB1*13:01	LS2A01	1000	10001	21.16												
24	L	EDTA	No	19		LS2A01	1000	12951	40	LSM12	4.5	12034	122	LS2PRA	1000	13611	479	LSAII	1500/4/5	15417	158
25	L	EDTA	No	19	DQB1*03:03/DQA1*03:02 only, DQB1*03:02/DQA1*03:02 only	LS2A01	1000	9827	139												
26	L	No treatment	No	19		LS2A01		8762	80												
28	L	No treatment		19	DQA1*03:02/DQB1*1*03:03	LS2A01	500	5671	311												
34	L	EDTA	No	19	DQA1*03:02	LS2A01	1181	9626	13												
35	L	EDTA	No	19		LS2A01	1000	8344	34												
38	L	EDTA	No	19		LS2A01	1000	9215	14	LSAII	1000	17868	121								
39	L	EDTA	No	19		LS2A01	7492	9310	10												
41	L	EDTA	No	19		LS2A01	2000	8592	18												
42	L	EDTA		19	DRB3*01:01, 03:01	LS2A01	500	6685	85												
45	L	Adsorption Beads, EDTA	No			LS2A01	1500	10000	20												
48	L	Heat Inactivation, EDTA	No	19																	
51	L	EDTA	No			LS2A01	2000	6591	51												
54	L	EDTA	No	19		LS2A01	1000	9699	33												
58	L	EDTA	No	18		LS2A01	1000	10113	286	LSM12	3.0	100354	246								
62	L	EDTA	No	19		LS2A01	1500	8797	27	LSAII	MFI/LRA	16782	185								
100	L	No treatment	No			LSAII	750	12201	99												
112	L	No treatment	No			LSAII	500	19663	194												
114	L	EDTA	No			LS2A01	1000	8983	33												
116	L	EDTA	No	19		LS2A01	1000	7623	24	LSM12		9385	65								
117	L	No treatment	No	19		LS2A01	500	7082	49												
119	L	EDTA	No		DRB1*13:01	LS2A01	1000	9514	16	LSM12	1.5	6594	18								
120	L	EDTA	No		DRB1*13:01	LS2A01	500	8203	11												
133	L	Heat Inactivation		3005428	DRB4*01:01, DPB1*28:01	LSAII		16076	129												
136	L		No		DQB1*03:03/DQA1*03:02	LS2A01	1000	7068	232												
142	L	EDTA	No			LS2A01	1000	8551	21												
143	L	No treatment	No			LS2A01	1000	15431	116												
145	L	No treatment	No	16	DRB1*13:01	LS2A01	1000	6730	24												
149	L	No treatment	No		DRB1*13:01	LSAII	1000	18542	305												
157	L	EDTA	No			LS2A01	1000	5470	15.04												
160	L	Adsorption Beads	No	17		LS2A01	1000	6366	56												
162	L	EDTA	No			LS2A01	1000	8925	72	LSM12	3	10008	31								
165	L	No treatment	No	17		LS2A01	16	6846	46												
169	L	No treatment	No			LS2A01	1000	6802	21												
181	L	EDTA	No	19		LS2A01	500	6680	19												
185	L	EDTA	No		Aspecific reactions: DR11, DR13, DR14, DR17, DR18, DQ2	LSAII	4	19222	236	LM2	2	18235	76	LMX	1	17308	184				
194	L	EDTA	No	18		LS2A01	1000	8022	26												
195	L	No treatment	No		DQA1*03	LS2A01	1000	7952	41												
197	L	No treatment																			
206	L	EDTA	No	271350		LS2A01	1000	7717	76												
212	L	No treatment				LM2	1000	20100	150												
214	L				DRB1*01:01	LSAII	750	17270	213												
216	L	No treatment		3006369		LM2	1000	16734	88												
218	L		No		DRB4*01:01, DPB1*28:01	LSAII	750	17891	215												
222	L	No treatment	No			LM2	800	18069	81												
227	L																				
229																					
230	L	No treatment	No	3006531		LSAII	500	10000	500												
232	L	No treatment	No	19	DRB4*01:01, DRB4*01:03	LS2A01	1200	6215	141												
242	L	Adsorption Beads				LSAII		16371	139												
252	L	No treatment				LM2		18594	94												
267	L	EDTA	No			LSAII		15081	103												
268	L	EDTA	No	19		LS2A01	2000	8983	41	LS2PRA	2000	6341	737								
273	L	No treatment	No			LS2A01	1500	8563	180												
277	L	EDTA	No	19	DRB3*02:02	LS2A01	500	7302	31												
284	L	EDTA	No			LS2A01	1000	7184	76	LSM12	5	9365	201								
292	L	EDTA	No			LS2A01	500	10152	41	LSM12	4.5	10460	39								
293	L	No treatment	No			LS2A01	500	5937	19.32												
294	L	Adsorption Beads	Yes			LSAII		15316													
302	L																				
303	L	Heat Inactivation, EDTA	No	19	DRB1*11:04	LS2A01	1000	11309	96												
309	L	No treatment	No	Lot specific		LSAII	500	17000	156												
351	L	EDTA	No	19		LS2A01	1500	8757	23												
361	L	No treatment	No	3006531		LSAII	500	16775	128												
392																					
401																					
411	L	No treatment	No	20	DRB1*13:01	LS2A01	X6	7381.9	26.92	LSM12	2.2	8633.8	56.95								

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

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CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 307/2018

DESPATCHED ON 13 NOVEMBER 2018

HLA specificity for assessment	DR1			DR15			DR16			DR17			DR18			DR4			DR11			DR12			DR13			DR14			DR1403			DR1404		
Consensus	Absent			Not Assessed			Not Assessed			Present			Present			Absent			Present			Present			Present			Present			Not Assessed			Not Assessed		
% reported	1.4%			69.4%			69.4%			97.2%			97.2%			1.4%			98.6%			95.8%			98.6%			98.6%			16.7%			15.3%		
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				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	5001-9999	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	5001-9999						
11										DR17	L	> 10000	DR18	L	5001-9999				DR11	L	2000-5000	DR12	L	< 2000	DR13	L	2000-5000	DR14	L	2000-5000						
12				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	5001-9999				DR11	L	5001-9999	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	5001-9999						
14										DR17	L	> 10000	DR18	L	> 10000				DR11	L	2000-5000	DR12	L	< 2000	DR13	L	2000-5000	DR14	L	2000-5000						
15				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	2000-5000	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	5001-9999						
19				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000	DR4	L	< 2000	DR11	L	2000-5000	DR12	L	2000-5000	DR13	L	2000-5000	DR14	L	2000-5000						
20										DR17	C, L	> 10000	DR18	L	> 10000				DR11	L	2000-5000	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	5001-9999						
23				DR15	L	< 2000	DR16	L	< 2000	DR17	L	5001-9999	DR18	L	5001-9999				DR11	L	5001-9999	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	5001-9999						
24				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	2000-5000	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	2000-5000						
25				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	2000-5000	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	5001-9999						
26										DR17	L	> 10000	DR18	L	> 10000				DR11	L	2000-5000	DR12	L	< 2000	DR13	L	2000-5000	DR14	L	2000-5000						
28				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	5001-9999	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	5001-9999						
34				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	5001-9999				DR11	L	2000-5000	DR12	L	2000-5000	DR13	L	2000-5000	DR14	L	2000-5000						
35										DR17	L	> 10000	DR18	L	> 10000				DR11	L	2000-5000	DR12	L	< 2000	DR13	L	2000-5000	DR14	L	2000-5000						
38				DR15	L	2000-5000	DR16	L	2000-5000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	5001-9999	DR12	L	5001-9999	DR13	L	> 10000	DR14	L	5001-9999						
39										DR17	L	> 10000	DR18	L	5001-9999				DR11	L	2000-5000	DR12	L	< 2000	DR13	L	2000-5000	DR14	L	2000-5000						
41										DR17	L	> 10000	DR18	L	> 10000				DR11	L	5001-9999	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	5001-9999						
42				DR15	L	2000-5000	DR16	L	2000-5000	DR17	L	5001-9999	DR18	L	5001-9999				DR11	L	5001-9999	DR12	L	5001-9999	DR13	L	5001-9999	DR14	L	5001-9999						
45										DR17	L	5001-9999	DR18	L	5001-9999				DR11	L	2000-5000	DR12	L	2000-5000	DR13	L	2000-5000	DR14	L	2000-5000						
48				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	2000-5000	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	2000-5000	DR1403	L	2000-5000	DR1404	L	2000-5000
51				DR15	L	< 2000	DR16	L	< 2000	DR17	L	5001-9999	DR18	L	5001-9999				DR11	L	2000-5000	DR12	L	2000-5000	DR13	L	2000-5000	DR14	L	2000-5000						
54				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	5001-9999	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	5001-9999						
58				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	5001-9999	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	5001-9999						
62										DR17	L	> 10000	DR18	L	> 10000				DR11	L	2000-5000	DR12	L	2000-5000	DR13	L	2000-5000	DR14	L	2000-5000						
100										DR17	L	5001-9999	DR18	L	5001-9999				DR11	L	2000-5000	DR12	L	< 2000	DR13	L	2000-5000	DR14	L	2000-5000	DR1403	L	2000-5000			
112				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	2000-5000	DR12	L	2000-5000	DR13	L	2000-5000	DR14	L	2000-5000	DR1403	L	2000-5000	DR1404	L	2000-5000
114				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	5001-9999	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	5001-9999						
116				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	5001-9999	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	5001-9999						
117				DR15	L	< 2000	DR16	L	< 2000	DR17	L	5001-9999	DR18	L	5001-9999				DR11	L	2000-5000	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	2000-5000						
119				DR15	L	2000-5000	DR16	L	< 2000, 2000-5000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	5001-9999	DR12	L	5001-9999	DR13	L	5001-9999, > 10000	DR14	L	5001-9999						
120				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	5001-9999	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	5001-9999						
133				DR15	L	< 2000	DR16	L	< 2000	DR17	L	5001-9999	DR18	L	5001-9999				DR11	L	2000-5000	DR12	L	2000-5000	DR13	L	2000-5000	DR14	L	2000-5000	DR1403	L	2000-5000	DR1404	L	2000-5000
136				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	2000-5000	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	2000-5000						
142				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	5001-9999	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	5001-9999						
143										DR17	L	> 10000	DR18	L	> 10000				DR11	L	> 10000				DR13	L	> 10000	DR14	L	> 10000						
145				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	5001-9999	DR12	L	2000-5000	DR13	L	5001-9999, > 10000	DR14	L	5001-9999						
149				DR15	L	< 2000	DR16	L	< 2000	DR17	L	5001-9999	DR18	L	5001-9999				DR11	L	2000-5000	DR12	L	2000-5000	DR13	L	2000-5000	DR14	L	2000-5000	DR1403	L	2000-5000	DR1404	L	2000-5000
157				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	2000-5000	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	5001-9999						
160				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	5001-9999	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	5001-9999						
162										DR17	L	> 10000	DR18	L	> 10000				DR11	L	2000-5000	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	2000-5000						
165				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	2000-5000	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	5001-9999						
169				DR15	L	2000-5000	DR16	L	2000-5000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	> 10000	DR12	L	> 10000	DR13	L	> 10000	DR14	L	> 10000						
181				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	2000-5000	DR12	L	2000-5000	DR13	L	2000-5000	DR14	L	2000-5000						
185				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	2000-5000	DR12	L	2000-5000	DR13	L	2000-5000	DR14	L	2000-5000	DR1403	L	2000-5000	DR1404	L	2000-5000
194				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	2000-5000	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	2000-5000						
195				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	5001-9999	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	5001-9999						
197				DR15	L	5001-9999				DR17	L	> 10000	DR18	L	> 10000				DR11	L	5001-9999	DR12	L	5001-9999	DR13	L	> 10000	DR14	L	5001-9999						
206				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	2000-5000	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	2000-5000						
212							DR16	L	2000-5000																											
214				DR15	L	< 2000	DR16	L	< 2000	DR17	L	5001-9999	DR18	L	5001-9999				DR11	L	2000-5000	DR12	L	2000-5000	DR13	L	2000-5000	DR14	L	2000-5000	DR1403	L	2000-5000	DR1404	L	2000-5000
216										DR17	L	> 10000	DR18	L	> 10000				DR11	L	5001-9999	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	2000-5000						
218										DR17	L	5001-9999	DR18	L	5001-9999				DR11	L	2000-5000	DR12	L	< 2000	DR13	L	2000-5000	DR14	L	2000-5000	DR1403	L	2000-5000	DR1404	L	< 2000
222							DR16	L	2000-5000	DR17	L		DR18	L					DR11	L					DR13	L		DR14	L							
227				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	5001-9999	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	5001-9999						
229 NT																																				
230				DR15	L	< 2000	DR16	L	< 2000	DR17	L	5001-9999	DR18	L	5001-9999				DR11	L	2000-5000	DR12	L	< 2000	DR13	L	2000-5000	DR14	L	2000-5000						
232										DR17	L	> 10000	DR18	L	> 10000				DR11	L	2000-5000	DR12	L	2000-5000	DR13	L	2000-5000	DR14	L	2000-5000						
242				DR15	L	< 2000													DR11	L	2000-5000	DR12	L	< 2000	DR13	L	2000-5000	DR14	L	2000-5000	DR1403	L	2000-5000	DR1404	L	2000-5000
252										DR17	L	> 10000	DR18	L	> 10000				DR11	L	> 10000	DR12	L	5001-9999	DR13	L	5001-9999	DR14	L	5001-9999						
267				DR15	L	< 2000	DR16	L	< 2000	DR17	L	5001-9999	DR18	L	5001-9999				DR11	L	2000-5000	DR12	L	< 2000	DR13	L	2000-5000	DR14	L	2000-5000	DR1403	L	2000-5000	DR1404	L	< 2000
268										DR17	L	> 10000	DR18	L	> 10000				DR11	L	5001-9999	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	5001-9999						
273				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	5001-9999	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	5001-9999						
277				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	5001-9999	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	5001-9999						
284										DR17	L	> 10000	DR18	L	> 10000				DR11	L	2000-5000	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	2000-5000						
292				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	5001-9999	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	5001-9999						
293										DR17	L	> 10000	DR18	L	> 10000				DR11	L	2000-5000	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	2000-5000						
294				DR15	L	< 2000	DR16	L	< 2000	DR17	L	5001-9999	DR18	L	5001-9999				DR11	L	2000-5000	DR12	L	< 2000	DR13	L	2000-5000	DR14	L	2000-5000	DR1403	L	2000-5000	DR1404	L	< 2000
302	DR1	L	5001-9999	DR15	L	< 2000	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000				DR11	L	< 2000	DR12	L	< 2000	DR13	L	< 2000	DR14	L	< 2000						
303				DR15	L	2000-5000	DR16	L	2000-5000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	5001-9999	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	5001-9999						
309				DR15	L	< 2000	DR16	L	< 2000	DR17	L	5001-9999	DR18	L	5001-9999				DR11	L	2000-5000	DR12	L	< 2000	DR13	L	2000-5000	DR14	L							
351				DR15	L	< 2000	DR16	L	< 2000	DR17	L	> 10000	DR18	L	> 10000				DR11	L	5001-9999	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	5001-9999						
361				DR15	L	< 2000	DR16	L	< 2000	DR17	L	5001-9999	DR18	L	5001-9999				DR11	L	2000-5000	DR12	L	< 2000	DR13	L	2000-5000	DR14	L	2000-5000	DR1403	L	2000-5000	DR1404	L	< 2000
392 NT																																				
401 NT																																				
411										DR17	L	> 10000	DR18	L	> 10000				DR11	L	5001-9999	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	5001-9999						

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

Number reporting Sepcificity	1		< 2000	50		< 2000	50		< 2000	70		< 2000	70		< 2000	1		< 2000	71		< 2000	69		< 2000	71		< 2000	71		< 2000	12		< 2000	11		< 2000
Total number of participants	72		0	72		44	72		43	72		1	72		1	72		1	72		1	72		14	72		1	72		1	72		0	72		4
			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			5			6			0			0			0			39			49			25			34			12			7
			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999
			1			1			0			15			19			0			27			5			38			32			0			0
			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000
			0			0			0			53			49			0			3			1			6			2			0			0

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

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 307/2018

DESPATCHED ON 13 NOVEMBER 2018

HLA specificity for assessment

Consensus	DR7			DR8			DR9			DR10			DR51			DR52			DR53			DQ5			DQ6			DQ2			DQ7			DQ4		
% reported	Present 81.9%			Present 97.2%			Present 83.3%			Absent 2.8%			Absent 4.2%			Present 94.4%			Absent 1.4%			Not Assessed 5.6%			Not Assessed 13.9%			Present 86.1%			Not Assessed 6.9%			Absent 2.8%		
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	DR7	L	2000-5000	DR8	L	2000-5000	DR9	L	2000-5000							DR52	L											DQ2	L	5001-9999						
11				DR8	L	2000-5000										DR52	L	5001-9999										DQ2	L	2000-5000						
12	DR7	L	2000-5000	DR8	L	2000-5000	DR9	L	2000-5000							DR52	L	5001-9999				DQ5	L	< 2000	DQ6	L	< 2000	DQ2	L	5001-9999	DQ7	L	< 2000			
14				DR8	L	2000-5000	DR9	L	< 2000							DR52	L	> 10000										DQ2	L	2000-5000						
15	DR7	L	2000-5000	DR8	L	2000-5000	DR9	L	2000-5000							DR52	L	5001-9999										DQ2	L	2000-5000						
19	DR7	L	2000-5000	DR8	L	2000-5000	DR9	L	< 2000							DR52	L	5001-9999										DQ2	L	2000-5000						
20	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	< 2000							DR52	L	> 10000										DQ2	L	2000-5000						
23	DR7	L	< 2000	DR8	L	2000-5000										DR52	L	5001-9999										DQ2	L	2000-5000						
24	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	< 2000							DR52	L	> 10000										DQ2	L	2000-5000						
25	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	2000-5000							DR52	L	> 10000										DQ2	L	2000-5000						
26	DR7	L	< 2000	DR8	L	< 2000	DR9	L	< 2000							DR52	L	> 10000										DQ2	L	2000-5000						
28	DR7	L	2000-5000	DR8	L	2000-5000	DR9	L	2000-5000							DR52	L	5001-9999							DQ6	L	< 2000	DQ2	L	2000-5000						
34	DR7	L	< 2000	DR8	L	< 2000	DR9	L	< 2000							DR52	L	> 10000										DQ2	L	2000-5000						
35	DR7	L	< 2000	DR8	L	< 2000										DR52	L	2000-5000, > 10000										DQ2	L	< 2000, 2000-5000						
38	DR7	L	2000-5000	DR8	L	5001-9999	DR9	L	2000-5000							DR52	L	> 10000										DQ2	L	5001-9999						
39	DR7	L	< 2000	DR8	L	< 2000	DR9	L	< 2000							DR52	L	5001-9999										DQ2	L	< 2000						
41				DR8	L	2000-5000										DR52	L	> 10000										DQ2	L	5001-9999						
42	DR7	L	2000-5000	DR8	L	5001-9999	DR9	L	2000-5000							DR52	L	5001-9999				DQ5	L	< 2000	DQ6	L	< 2000	DQ2	L	5001-9999						
45	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	< 2000							DR52	L	5001-9999										DQ2	L	2000-5000						
48	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	< 2000							DR52	L	5001-9999										DQ2	L	2000-5000						
51	DR7	L	< 2000	DR8	L	< 2000	DR9	L	< 2000							DR52	L	> 10000										DQ2	L	< 2000						
54	DR7	L	2000-5000	DR8	L	2000-5000	DR9	L	2000-5000							DR52	L	> 10000										DQ2	L	5001-9999						
58	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	2000-5000							DR52	L	> 10000										DQ2	L	5001-9999						
62				DR8	L	2000-5000										DR52	L	5001-9999										DQ2	L	2000-5000						
100	DR7	L	< 2000	DR8	L	< 2000	DR9	L	< 2000							DR52	L																			
112	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	< 2000							DR52	L	> 10000										DQ2	L	< 2000						
114	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	2000-5000							DR52	L	> 10000										DQ2	L	5001-9999						
116	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	< 2000							DR52	L	> 10000										DQ2	L	2000-5000						
117	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	< 2000							DR52	L	5001-9999										DQ2	L	< 2000						
119	DR7	L		DR8	L	5001-9999	DR9	L	< 2000, 2000-5000							DR52	L	5001-9999, > 10000										DQ2	L	2000-5000, 5001-9999						
120	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	< 2000							DR52	L	> 10000										DQ2	L	2000-5000						
133	DR7	L	< 2000	DR8	L	< 2000	DR9	L	< 2000							DR52	L	5001-9999																		
136	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	< 2000							DR52	L	5001-9999										DQ2	L	2000-5000						
142	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	2000-5000							DR52	L	> 10000							DQ6	L	< 2000	DQ2	L	5001-9999	DQ7	L	< 2000			
143				DR8	L	> 10000										DR52	L	> 10000																		
145	DR7	L	< 2000	DR8	L	5001-9999	DR9	L	< 2000							DR52	L	5001-9999, > 10000										DQ2	L	2000-5000, 5001-9999						
149	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	< 2000							DR52	L	5001-9999										DQ2	L	< 2000						
157	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	< 2000							DR52	L	5001-9999										DQ2	L	2000-5000						
160	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	< 2000							DR52	L	5001-9999										DQ2	L	2000-5000						
162				DR8	L	2000-5000	DR9	L	< 2000							DR52	L	5001-9999										DQ2	L	2000-5000						
165	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	< 2000							DR52	L	5001-9999										DQ2	L	2000-5000						
169	DR7	L	2000-5000	DR8	L	> 10000	DR9	L	2000-5000							DR52	L	> 10000							DQ6	L	< 2000	DQ2	L	> 10000				DQ4	L	< 2000
181	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	< 2000							DR52	L	5001-9999										DQ2	L	< 2000						
185	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	< 2000							DR52	L	5001-9999										DQ2	L	< 2000						
194	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	< 2000							DR52	L	5001-9999										DQ2	L	2000-5000						
195	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	2000-5000							DR52	L	> 10000										DQ2	L	2000-5000						
197				DR8	L	5001-9999							DR51	L	5001-9999	DR52	L	> 10000							DQ6	L	> 10000									
206	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	< 2000							DR52	L	5001-9999										DQ2	L	< 2000						
212	DR7	L	5001-9999	DR8	L	5001-9999										DR52	L	5001-9999										DQ2	L	5001-9999						
214	DR7	L	< 2000	DR8	L	< 2000	DR9	L	< 2000							DR52	L	5001-9999																		
216	DR7	L	5001-9999	DR8	L	5001-9999	DR9	L	5001-9999																											
218	DR7	L	< 2000	DR8	L	< 2000	DR9	L	< 2000							DR52	L	5001-9999																		
222	DR7	L	5001-9999	DR8	L	5001-9999	DR9	L		DR10	L					DR52	L	5001-9999	DR53	L								DQ2	L	5001-9999						
227	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	< 2000							DR52	L	> 10000										DQ2	L	2000-5000						
229																																				
230	DR7	L	< 2000	DR8	L	< 2000	DR9	L	< 2000							DR52	L	5001-9999										DQ2	L	< 2000						
232				DR8	L	2000-5000	DR9	L	< 2000																			DQ2	L	2000-5000						
242	DR7	L	< 2000	DR8	L	2000-5000																														
252																						DQ5	L	2000-5000	DQ6	L	2000-5000	DQ2	L	2000-5000						
267	DR7	L	< 2000	DR8	L	< 2000	DR9	L	< 2000							DR52	L	5001-9999										DQ2	L	< 2000						
268				DR8	L	2000-5000	DR9	L								DR52	L	> 10000										DQ2	L	5001-9999						
273	DR7	L	2000-5000	DR8	L	2000-5000	DR9	L	2000-5000							DR52	L	> 10000										DQ2	L	2000-5000						
277	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	< 2000							DR52	L	> 10000							DQ6	L	< 2000	DQ2	L	5001-9999	DQ7	L	< 2000			
284				DR8	L	2000-5000	DR9	L	< 2000							DR52	L	> 10000										DQ2	L	2000-5000						
292	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	< 2000							DR52	L	> 10000				DQ5	L	< 2000	DQ6	L	2000-5000	DQ2	L	2000-5000						
293													DR51	L	2000-5000	DR52	L	5001-9999													DQ7	L	2000-5000	DQ4	L	5001-9999
294	DR7	L	< 2000	DR8	L	< 2000	DR9	L	< 2000							DR52	L	5001-9999										DQ2	L	< 2000						
302	DR7	L	> 10000	DR8	L	> 10000	DR9	L	< 2000	DR10	L	< 2000	DR51	L	> 10000	DR52	L	> 10000							DQ6	L	> 10000	DQ2	L	> 10000	DQ7	L	> 10000			
303	DR7	L	2000-5000	DR8	L	2000-5000	DR9	L	2000-5000							DR52	L	5001-9999										DQ2	L	2000-5000						
309	DR7	L	< 2000	DR8	L	< 2000	DR9	L	< 2000							DR52	L	5001-9999										DQ2	L	< 2000						
351	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	2000-5000							DR52	L	> 10000										DQ2	L	5001-9999						
361	DR7	L	< 2000	DR8	L	< 2000	DR9	L	< 2000							DR52	L	5001-9999																		
392																																				
401																																				
411				DR8	L	2000-5000										DR52	L	> 10000										DQ2	L	2000-5000						

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

Number reporting Sepcificity	59	< 2000	70	< 2000	60	< 2000	2	< 2000	3	< 2000	68	< 2000	1	< 2000	4	< 2000	10	< 2000	62	< 2000	5	< 2000	2	< 2000
Total number of participants	72	43	72	14	72	40	72	1	72	0	72	0	72	0	72	3	72	6	72	12	72	3	72	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
		11		45		16		0		1		0		0		1		2		31		1		0
		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999
		3		8		1		0		1		34		0		0		0		14		0		1
		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000
		1		3		0		0		1		32		0		0		2		2		1		0

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

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 307/2018

DESPATCHED ON 13 NOVEMBER 2018

DPB1* Antibodies - NOT ASSESSED

	01:01			03:01			04:01			04:02			05:01			11:01			18:01		
Consensus	Not Assessed			Absent			Absent			Absent			Not Assessed			Absent			Absent		
% reported	8.3%			1.4%			1.4%			1.4%			5.6%			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
9																					
11																					
12	01:01	L	< 2000	03:01	L	< 2000							05:01	L	< 2000	11:01	L	< 2000			
14																					
15	01:01	L	< 2000																		
19																					
20																					
23																					
24																					
25	01:01	L	< 2000										05:01	L	< 2000						
26																					
28	01:01	L	< 2000										05:01	L	< 2000						
34																					
35																					
38																					
39																					
41	01:01	L	< 2000																		
42																					
45																					
48																					
51																					
54																					
58																					
62																					
100																					
112																					
114																					
116																					
117																					
119																					
120																					
133																					
136	01:01	L	< 2000										05:01	L	< 2000						
142																					
143																					
145																					
149																					
157																					
160																					
162																					
165																					
169																					
181																					
185																					
194																					
195																					
197																					
206																					
212																					
214																					
216																					
218																					
222																					
227																					
229 NT																					
230																					
232																					
242																					
252																					
267																					
268																					
273																					
277																					
284																					
292																					
293																			18:01	L	5001-9999
294																					
302																					
303																					
309							04:01	L	< 2000	04:02	L	< 2000									
351																					
361																					
392 NT																					
401 NT																					
411																					

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

Number reporting Sepcificity	6	< 2000	1	< 2000	1	< 2000	1	< 2000	4	< 2000	1	< 2000	1	< 2000
Total number of participants	72	6	72	1	72	1	72	1	72	4	72	1	72	0
		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
		0		0		0		0		0		0		0
		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999
		0		0		0		0		0		0		1
		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000
		0		0		0		0		0		0		0

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

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 307/2018

DESPATCHED ON 13 NOVEMBER 2018

DQA1* Antibodies - NOT ASSESSED

	01:02			02:01			03:01			04:01			05:01			05:03			05:05			06:01		
Consensus	Absent			Not Assessed			Not Assessed			Not Assessed			Not Assessed			Not Assessed			Not Assessed			Absent		
% reported	1.4%			6.9%			6.9%			8.3%			25.0%			12.5%			13.9%			2.8%		
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
9																								
11																								
12																05:03	L		05:05	L	< 2000			
14													05:01	L	2000-5000									
15																								
19																								
20													05:01	L	5001-9999				05:05	L	< 2000			
23																								
24																								
25																								
26																								
28													05:01	L	5001-9999	05:03	L		05:05	L	< 2000	06:01	L	
34													05:01	L	2000-5000									
35				02:01	L	< 2000, 2000-5000	03:01	L	< 2000	04:01	L	< 2000	05:01	L	2000-5000									
38																								
39																								
41																05:03	L	< 2000	05:05	L	< 2000	06:01	L	< 2000
42																								
45																								
48																								
51																								
54																								
58																								
62																								
100																								
112																								
114																								
116																								
117													05:01	L	2000-5000									
119																05:03	L		05:05	L	< 2000			
120																05:03	L		05:05	L	< 2000			
133																								
136													05:01	L	5001-9999									
142	01:02	L	< 2000	02:01	L	2000-5000	03:01	L	2000-5000	04:01	L	2000-5000	05:01	L	5001-9999				05:05	L	< 2000			
143																								
145																05:03	L		05:05	L	< 2000			
149													05:01	L	2000-5000									
157																								
160										04:01	L	< 2000	05:01	L	5001-9999									
162																								
165																								
169													05:01	L	> 10000	05:03	L	2000-5000						
181													05:01	L	2000-5000									
185																								
194																								
195																								
197																								
206																								
212																								
214																								
216																								
218																								
222																								
227																								
229 NT																								
230																								
232				02:01	L	< 2000	03:01	L	< 2000	04:01	L	< 2000	05:01	L	2000-5000									
242																								
252																								
267																								
268																								
273													05:01	L	2000-5000									
277																05:03	L		05:05	L	< 2000			
284																								
292													05:01	L	5001-9999	05:03	L		05:05	L	< 2000			
293																								
294																								
302													05:01	L	2000-5000									
303				02:01	L	2000-5000	03:01	L	2000-5000	04:01	L	2000-5000	05:01	L	5001-9999									
309																								
351																								
361																								
392 NT																								
401 NT																								
411				02:01	L	2000-5000	03:01	L	2000-5000	04:01	L	2000-5000	05:01	L	2000-5000									

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

Number reporting Sepcificity	1	< 2000	5	< 2000	5	< 2000	6	< 2000	18	< 2000	9	< 2000	10	< 2000	2	< 2000
Total number of participants	72	1	72	1	72	2	72	3	72	0	72	1	72	10	72	1
		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
		0		3		3		3		10		1		0		0
		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999
		0		0		0		0		7		0		0		0
		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000
		0		0		0		0		1		0		0		0

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

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 307/2018

DESPATCHED ON 13 NOVEMBER 2018

DPA1* Antibodies - NOT ASSESSED

Consensus % reported	No specificities detected
Lab no.	
9	No specificities detected
11	No specificities detected
12	No specificities detected
14	No specificities detected
15	No specificities detected
19	No specificities detected
20	No specificities detected
23	No specificities detected
24	No specificities detected
25	No specificities detected
26	No specificities detected
28	No specificities detected
34	No specificities detected
35	No specificities detected
38	No specificities detected
39	No specificities detected
41	No specificities detected
42	No specificities detected
45	No specificities detected
48	No specificities detected
51	No specificities detected
54	No specificities detected
58	No specificities detected
62	No specificities detected
100	No specificities detected
112	No specificities detected
114	No specificities detected
116	No specificities detected
117	No specificities detected
119	No specificities detected
120	No specificities detected
133	No specificities detected
136	No specificities detected
142	No specificities detected
143	No specificities detected
145	No specificities detected
149	No specificities detected
157	No specificities detected
160	No specificities detected
162	No specificities detected
165	No specificities detected
169	No specificities detected
181	No specificities detected
185	No specificities detected
194	No specificities detected
195	No specificities detected
197	No specificities detected
206	No specificities detected
212	No specificities detected
214	No specificities detected
216	No specificities detected
218	No specificities detected
222	No specificities detected
227	No specificities detected
229 NT	No specificities detected
230	No specificities detected
232	No specificities detected
242	No specificities detected
252	No specificities detected
267	No specificities detected
268	No specificities detected
273	No specificities detected
277	No specificities detected
284	No specificities detected
292	No specificities detected
293	No specificities detected
294	No specificities detected
302	No specificities detected
303	No specificities detected
309	No specificities detected
351	No specificities detected
361	No specificities detected
392 NT	No specificities detected
401 NT	No specificities detected
411	No specificities detected

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

Number reporting Sepcificity	0	< 2000
Total number of participants	72	0
		2000-5000
		0
		5001-9999
		0
		> 10000
		0

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CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 307/2018

DESPATCHED ON 13 NOVEMBER 2018

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	No			LS2A01	1500	12165	32.86								
11	L	EDTA	No	19		LS2A01	1000	5941	44	LSM12	2.5	7391	19				
12	L	EDTA			DQB1*06:09 DPB1*05:01/DPA1*02:02 DPB1*11:01/DPA1*01:03 DPB1*03:01/DPA1*01:03	LS2A01	500	11104	33								
14	L	Heat Inactivation, EDTA	No	19	DQA1*05:01/DQB1*02:01 heterodimer DRB1*12:02, 09:02	LS2A01	1500	12016	19.25								
15	L	EDTA	No	19		LS2A01	1000	11865	40								
19	L	EDTA	No		DRB1*04:05	LS2A01	1000	10558	18								
20	C, L	EDTA	No	19	DRB1*09:02	LS2A01	1000	10427.64	9.66								
23	L	EDTA	No	19		LS2A01	1000	11920	12.96								
24	L	EDTA	No	19	DRB1*15:01/02, 16:01	LS2A01	1000	12286	26	LSM12	4.5	15723	71	LSAII	1500/4/5	14627	159
25	L	EDTA	No	19		LS2A01	1000	11141	23	LSAII	1500	14947	82				
26	L	No treatment	No	19	DRB1*09:02	LS2A01		12928	16								
28	L	No treatment		19	DQB1*06:09 DPB1*05:01/DPA1*02:02	LS2A01	500	11330	20								
34	L	EDTA	No	19		LS2A01	774	12004	11								
35	L	EDTA	No	19		LS2A01	1000	9017	24								
38	L	EDTA	No	19		LS2A01	1000	9981	13	LSAII	1000	16689	71				
39	L	EDTA	No	19		LS2A01	1298	12282	8								
41	L	EDTA	No	19		LS2A01	2000	10134	12								
42	L	EDTA		19	DQB1*06:04/09	LS2A01	500	9305	27								
45	L	Adsorption beads, EDTA	No			LS2A01	1500	11000	20								
48	L	Heat Inactivation	No	19													
51	L	EDTA	No			LS2A01	500	8009	19								
54	L	EDTA	No	19		LS2A01	1000	12040	22								
58	L	EDTA	No	18		LS2A01	1000	15020	17	LSM12	3.0	13214	37				
62	L	EDTA		19		LS2A01	1500	11427	14	LSAII	MFI/LRA	15927	104				
100	L	No treatment	No			LSAII	750	11532	92								
112	L	No treatment	No			LSAII	500	19167	134								
114	L	EDTA				LS2A01	1000	11245	15								
116	L	EDTA	No	19		LS2A01	1000	9985	21	LSM12		12197	41				
117	L	No treatment	No	19		LS2A01	500	9616	27								
119	L	EDTA	No	18		LS2A01	1000	13049	49	LSM12	1.5	5943	13				
120	L	EDTA	No			LS2A01	500	10462	9								
133	L	Heat inactivation		3005428	DRB1*03:01, 03:02, 03:03, 07:01, 08:01, 18:02, 09:01, 11:01, 11:03, 11:04, 12:01, 12:02, 13:01, 13:03, 13:05, 14:01, 14:03, 14:04, 15:01, 15:02, 16:01, 16:02 DRB3*01:01, 02:02, 03:01	LSAII		15434	121								
136	L	No treatment	No		DRB1*09:02, 16:01	LS2A01	1000	15	11819	15							
142	L	EDTA	No			LS2A01	1000	11381	16								
143	L	No treatment	No			LS2A01	1000	17539	54								
145	L	No treatment	No	16	DRB1*09:02	LS2A01	1000	8150	12								
149	L	No treatment	No			LSAII	1000	18471	280								
157	L	EDTA	No	19		LS2A01	1000	11082	10.71								
160	L	Adsorption beads	No	17		LS2A01	1000	6715	46								
162	L	EDTA	No		DRB1*09:02	LS2A01	1000	10779	9	LSM12	3	12102	10				
165	L	No treatment	No	17		LS2A01	29	8255	46								
169	L	No treatment	No			LS2A01	1000	22098	8								
181	L	EDTA	No	19		LS2A01	500	9170	12								
185	L	EDTA	No			LSAII	4	16914	107	LM2	2	19458	89	LMX	1	19779	79
194	L	EDTA	No	18		LS2A01	1000	10285	25								
195	L	No treatment	No			LS2A01	1000	10757	25								
197	L	No treatment															
206	L	EDTA	No	271350		LS2A01	1000	11102	20								
212	L	No treatment				LM2	1000	20140	104								
214	L				DRB1*03:01, 03:02, 03:03, 08:01, 08:02, 11:01, 11:03, 11:04, 12:01, 12:02, 13:01, 13:03, 13:05, 14:01, 14:03, 14:04, 15:01, 15:02, 16:01, 16:02 DRB3*01:01, 02:02, 03:01	LSAII	750	15240	141								
216	L	No treatment		3006369		LM2	2500	16892	95								
218	L				DRB1*03:01, 03:02, 03:03, 07:01, 08:01, 08:02, 09:01, 11:01, 11:02, 11:03, 11:04, 12:01, 12:02, 13:01, 13:03, 13:05, 14:01, 14:03, 14:04 DRB3*01:01, 02:02, 03:01	LS2PRA	750			LSAII	750	16284	127				
222	L	No treatment	No			LM2	800	17965	94								
227	L																
229																	
230	L	No treatment	No	3006531		LSAII	500	1000	500								
232	L	No treatment	No	19	DRB3*01:01, 02:02, 03:01	LS2A01	1200	9372	16								
242	L	Adsorption beads			DRB1*03:01, 03:02, 03:03	LSAII		16462	74								
252	L	No treatment				LM2		18423	124								
267	L	EDTA	No			LSAII		15081	114								
268	L	EDTA	No	19		LS2A01	2000	11145	32	LS2PRA	2000	8931	32				
273	L	No treatment	No		DRB1*09:02, 15:02, 16:01	LS2A01	1500	12291	12								
277	L	EDTA	No	19	DQB1*06:09	LS2A01	500	8770	18								
284	L	EDTA	No			LS2A01	1000	10549	15	LSM12	5	12669	21				
292	L	EDTA	No	19	DQB1*06:09	LS2A01	500	10231	15	LSM12	4.5	12084	37				
293	L	No treatment	No			LS2PRA	500	9721	12.58								
294	L	No treatment	No			LSAII		14432									
302	L	No treatment															
303	L	Heat Inactivation, EDTA	No	19		LS2A01	1000	10277	72								
309	L	No treatment	No	lot specific	DQB1*02:01	LSAII	500	17000	146								
351	L	EDTA	No	19		LS2A01	1500	10859	17								
361	L	No treatment	No	3006531	DRB1*15:01, 15:02, 16:01	LSAII	500	16052	142								
392																	
401																	
411	L	No treatment	No	20	DRB1*01:01, 03:01, 03:02, 08:01	LS2A01	X6	7516.3	31.56	LSM12	2.2	9466.6	42.23				

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 II HLA ANTIBODY SPECIFICITY ANALYSIS OF 308/2018

DESPATCHED ON 13 NOVEMBER 2018

HLA specificity for assessment

Lab no.	DR1 spec	tech	MFI	DR103 spec	tech	MFI	DR15 spec	tech	MFI	DR16 spec	tech	MFI	DR17 spec	tech	MFI	DR18 spec	tech	MFI	DR4 spec	tech	MFI	DR11 spec	tech	MFI	DR12 spec	tech	MFI	DR13 spec	tech	MFI	DR14 spec	tech	MFI	DR1403 spec	tech	MFI	DR1404 spec	tech	MFI
Consensus	Not Assessed			Present			Present			Present			Present			Present			Present			Present			Present			Present			Present			Not Assessed			Not Assessed		
% reported	59.7%			94.4%			97.2%			95.8%			95.8%			94.4%			87.5%			98.6%			98.6%			97.2%			98.6%			16.7%			16.7%		
9	DR1	L	< 2000	DR103	L	> 10000	DR15	L	5001-9999	DR16	L	> 10000	DR17	L	> 10000	DR18	L	> 10000	DR4	L	> 10000	DR11	L	> 10000	DR12	L	> 10000	DR13	L	> 10000	DR14	L	> 10000						
11				DR103	L	> 10000	DR15	L	2000-5000	DR16	L	> 10000	DR17	L	> 10000	DR18	L	> 10000	DR4	L	> 10000	DR11	L	> 10000	DR12	L	> 10000	DR13	L	> 10000	DR14	L	> 10000						
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392 NT																																							
401 NT																																							
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Technique : C = CDC; E = ELISA; F = Flow cytometry; L = Luminex; O = Other

Number reporting Sepcificity	43		< 2000	68		< 2000	70		< 2000	69		< 2000	69		< 2000	68		< 2000	63		< 2000	71		< 2000	71		< 2000	70		< 2000	71		< 2000	12		< 2000	12		< 2000
Total number of participants	72		30	72		0	72		2	72		1	72		1	72		1	72		0	72		1	72		1	72		1	72		1	72		0	72		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
			5			1			16			0			0			0			1			0			0			0			0			0			0
			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999
			1			7			46			8			8			7			8			8			8			8			8			2			2
			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000
			5			59			5			59			59			58			54			61			61			60			61			10			10

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

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 308/2018

DESPATCHED ON 13 NOVEMBER 2018

HLA specificity for assessment

Consensus	DR7			DR8			DR10			DR51			DR52			DR53			DQ5			DQ6			DQ2			DQ7			DQ8			DQ4		
	Absent			Present			Not Assessed			Present			Present			Absent			Present			Present			Not Assessed			Not Assessed			Absent			Present		
% reported	1.4%			97.2%			11.1%			90.3%			95.8%			2.8%			97.2%			98.6%			16.7%			22.2%			1.4%			98.6%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9				DR8	L	> 10000	DR10	L	< 2000	DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
11				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
12				DR8	L	5001-9999	DR10	L	< 2000	DR51	L	5001-9999	DR52	L	5001-9999				DQ5	L	5001-9999	DQ6	L	5001-9999	DQ2	L	2000-5000	DQ7	L	2000-5000				DQ4	L	5001-9999
14				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
15				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
19				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
20				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	C, L	> 10000	DQ6	C, L	> 10000										DQ4	L	> 10000
23				DR8	L	5001-9999				DR51	L	5001-9999	DR52	L	5001-9999				DQ5	L	5001-9999	DQ6	L	5001-9999										DQ4	L	5001-9999
24				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
25				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000	DQ2	L	< 2000	DQ7	L	< 2000				DQ4	L	> 10000
26				DR8	L	> 10000				DR51	L	5001-9999	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
28				DR8	L	> 10000	DR10	L	< 2000	DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
34				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
35				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
38				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
39				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
41				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
42				DR8	L	5001-9999	DR10	L	< 2000	DR51	L	5001-9999	DR52	L	5001-9999				DQ5	L	5001-9999	DQ6	L	5001-9999										DQ4	L	5001-9999
45				DR8	L	5001-9999				DR51	L	5001-9999	DR52	L	5001-9999				DQ5	L	5001-9999	DQ6	L	5001-9999										DQ4	L	5001-9999
48				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
51				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
54				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
58				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
62				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
100				DR8	L	> 10000				DR51	L	5001-9999	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
112				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
114				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
116				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000	DQ2	L	< 2000	DQ7	L	< 2000				DQ4	L	> 10000
117				DR8	L	5001-9999				DR51	L	5001-9999	DR52	L	5001-9999				DQ5	L	5001-9999	DQ6	L	5001-9999				DQ7	L	< 2000				DQ4	L	5001-9999
119				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
120				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000				DQ7	L	2000-5000				DQ4	L	> 10000
133				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
136				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
142				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000	DQ2	L	< 2000	DQ7	L	< 2000				DQ4	L	> 10000
143				DR8	L	> 10000	DR10	L	< 2000	DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000	DQ2	L	5001-9999	DQ7	L	5001-9999				DQ4	L	> 10000
145				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
149				DR8	L	5001-9999				DR51	L	5001-9999	DR52	L	5001-9999				DQ5	L	5001-9999	DQ6	L	5001-9999										DQ4	L	5001-9999
157				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
160				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
162				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
165				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000	DQ2	L	< 2000	DQ7	L	< 2000				DQ4	L	> 10000
169				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	5001-9999	DQ2	L	2000-5000	DQ7	L	2000-5000				DQ4	L	> 10000
181				DR8	L	> 10000				DR51	L	5001-9999	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000				DQ7	L	< 2000				DQ4	L	> 10000
185				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
194				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
195				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
197				DR8	L	5001-9999				DR51	L	5001-9999	DR52	L	5001-9999	DR53	L	5001-9999							DQ2	L	5001-9999	DQ7	L	5001-9999						
206				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
212										DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
214				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
216				DR8	L	> 10000	DR10	L	> 10000										DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
218				DR8	L	> 10000				DR51	L	5001-9999	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
222				DR8	L		DR10	L		DR51	L		DR52	L					DQ5	L		DQ6	L											DQ4	L	
227				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
229																																				
230				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
232				DR8	L	> 10000													DQ5	L	> 10000	DQ6	L	> 10000	DQ2	L	< 2000	DQ7	L	< 2000				DQ4	L	> 10000
242				DR8	L	> 10000													DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
252													DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
267				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
268				DR8	L	> 10000							DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
273				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000	DQ2	L	2000-5000	DQ7	L	2000-5000				DQ4	L	> 10000
277				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000	DQ2	L	< 2000	DQ7	L	< 2000				DQ4	L	> 10000
284				DR8	L	> 10000							DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
292				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
293	DR7	L	> 10000	DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000	DR53	L	> 10000				DQ6	L	> 10000	DQ2	L	> 10000				DQ8	L	> 10000	DQ4	L	> 10000
294				DR8	L	5001-9999				DR51	L	2000-5000	DR52	L	5001-9999				DQ5	L	5001-9999	DQ6	L	5001-9999										DQ4	L	5001-9999
302				DR8	L	< 2000	DR10	L	< 2000	DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
303				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
309				DR8	L	> 10000							DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
351				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000				DQ7	L	< 2000				DQ4	L	> 10000
361				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000										DQ4	L	> 10000
392																																				
401																																				
411				DR8	L	> 10000				DR51	L	> 10000	DR52	L	> 10000				DQ5	L	> 10000	DQ6	L	> 10000				DQ7	L	< 2000				DQ4	L	> 10000

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

Number reporting Sepcificity	1	< 2000		70	< 2000		8	< 2000		65	< 2000		69	< 2000		2	< 2000		70	< 2000		71	< 2000		12	< 2000		16	< 2000		1	< 2000		71	< 2000	
Total number of participants	72	0		72	1		72	6		72	0		72	0		72	0		72	0		72	0		72	6		72	10		72	0		72	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			1			0			0			0			0			3			4			0			0	
		5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999	
		0			8			0			11			8			1			7			8			2			2			0			7	
		> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000	
		1			60			1			52			60			1			62			62			1			0			1			63	

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

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 308/2018

DESPATCHED ON 13 NOVEMBER 2018

DPB1* Antibodies - NOT ASSESSED

	01:01			02:01			04:01			04:02			10:01			13:01			14:01			18:01			28:01		
Consensus	Absent			Present			Absent			Present			Not Assessed			Absent			Absent			Present			Present		
% reported	1.4%			86.1%			4.2%			86.1%			70.8%			1.4%			2.8%			87.5%			87.5%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
11				02:01 L		> 10000				04:02 L		> 10000	10:01 L		5001-9999							18:01 L		> 10000	28:01:00 L		> 10000
12	01:01 L		< 2000	02:01 L		5001-9999				04:02 L		5001-9999	10:01 L		5001-9999				14:01 L		< 2000	18:01 L		5001-9999	28:01:00 L		5001-9999
14				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
15				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
19				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
20				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
23				02:01 L		5001-9999				04:02 L		5001-9999	10:01 L		5001-9999							18:01 L		5001-9999	28:01:00 L		5001-9999
24				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
25				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
26				02:01 L		2000-5000				04:02 L		5001-9999	10:01 L		2000-5000							18:01 L		2000-5000	28:01:00 L		2000-5000
28				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000				14:01 L		< 2000	18:01 L		> 10000	28:01:00 L		> 10000
34				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
35				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
38				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
39				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
41				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
42				02:01 L		5001-9999				04:02 L		5001-9999	10:01 L		5001-9999							18:01 L		5001-9999	28:01:00 L		5001-9999
45				02:01 L		5001-9999				04:02 L		5001-9999	10:01 L		5001-9999							18:01 L		5001-9999	28:01:00 L		5001-9999
48				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
51				02:01 L		> 10000				04:02 L		> 10000	10:01 L		5001-9999							18:01 L		> 10000	28:01:00 L		5001-9999
54				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
58				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
62				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
100				02:01 L		5001-9999				04:02 L		5001-9999										18:01 L		5001-9999	28:01 L		5001-9999
112				02:01 L		> 10000				04:02 L		> 10000										18:01 L		> 10000	28:01 L		> 10000
114				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
116				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
117				02:01 L		5001-9999				04:02 L		5001-9999	10:01 L		5001-9999							18:01 L		5001-9999	28:01:00 L		5001-9999
119				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
120				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
133				02:01 L		5001-9999				04:02 L		5001-9999										18:01 L		5001-9999	28:01 L		2000-5000
136				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
142				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
143				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
145				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
149				02:01 L		5001-9999				04:02 L		5001-9999										18:01 L		5001-9999	28:01 L		5001-9999
157				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
160				02:01 L		> 10000	04:01 L		> 10000				10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
162				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
165				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
169										04:02 L		> 10000															
181				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
185				02:01 L		5001-9999				04:02 L		5001-9999										18:01 L		5001-9999	28:01:00 L		5001-9999
194				02:01 L		> 10000				04:02 L			10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
195				02:01 L		> 10000	04:01 L		> 10000				10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
197																											
206				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
212																											
214				02:01 L		5001-9999				04:02 L		5001-9999										18:01 L		5001-9999	28:01 L		5001-9999
216																											
218				02:01 L		5001-9999				04:02 L		5001-9999										18:01 L		5001-9999	28:01 L		5001-9999
222																											
227				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
229 NT																											
230				02:01 L		5001-9999				04:02 L		5001-9999										18:01 L		5001-9999	28:01 L		5001-9999
232				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
242																											
252																											
267				02:01 L		5001-9999				04:02 L		5001-9999										18:01 L		5001-9999	28:01 L		5001-9999
268				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
273				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
277				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
284										04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
292				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
293																13:01 L		> 10000									
294				02:01 L		5001-9999				04:02 L		5001-9999										18:01 L		5001-9999	28:01:00 L		5001-9999
302																											
303				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
309				02:01 L		5001-9999	04:01 L		5001-9999	04:02 L		5001-9999										18:01 L		5001-9999	28:01:00 L		5001-9999
351				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000
361				02:01 L		5001-9999				04:02 L		5001-9999										18:01 L		5001-9999	28:01 L		5001-9999
392 NT																											
401 NT																											
411				02:01 L		> 10000				04:02 L		> 10000	10:01 L		> 10000							18:01 L		> 10000	28:01:00 L		> 10000

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

Number reporting Sepcificity	1	< 2000	62	< 2000	3	< 2000	62	< 2000	51	< 2000	1	< 2000	2	< 2000	63	< 2000	63	< 2000
Total number of participants	72	1	72	0	72	0	72	0	72	0	72	0	72	2	72	0	72	0
		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
		0		1		0		0		1		0		0		1		2
		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999
		0		16		1		17		7		0		0		16		16
		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000
		0		45		2		44		43		1		0		46		45

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

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 308/2018

DESPATCHED ON 13 NOVEMBER 2018

DQA1* Antibodies - NOT ASSESSED

Lab no.	01:01 spec	01:01 tech	01:01 MFI	01:02 spec	01:02 tech	01:02 MFI	01:03 spec	01:03 tech	01:03 MFI	01:04 spec	01:04 tech	01:04 MFI	02:01 spec	02:01 tech	02:01 MFI	03:03 MFI	03:03 spec	03:03 tech	03:03 MFI	04:01 spec	04:01 tech	04:01 MFI	05:01 spec	05:01 tech	05:01 MFI	05:03 spec	05:03 tech	05:03 MFI	05:05 spec	05:05 tech	05:05 MFI
Consensus	Not Assessed			Not Assessed			Not Assessed			Not Assessed			Not Assessed				Not Assessed			Not Assessed			Not Assessed			Not Assessed			Not Assessed		
% reported	31.9%			31.9%			30.6%			13.9%			8.3%				19.4%			6.9%			43.1%			15.3%			50.0%		
9																							05:01	L	< 2000				05:05	L	< 2000
11																															
12																							05:01	L	2000-5000	05:03	L		05:05	L	2000-5000
14	01:01	L	> 10000	01:02	L	> 10000	01:03	L	> 10000								03:03	L	> 10000												
15																							05:01	L	< 2000	05:03	L		05:05	L	2000-5000
19																															
20																															
23																													05:05	L	< 2000
24																							05:01	L	< 2000				05:05	L	< 2000
25																															
26																															
28																							05:01	L	2000-5000	05:03	L		05:05	L	2000-5000
34																													05:05	L	< 2000
35	01:01	L	> 10000	01:02	L	> 10000	01:03	L	> 10000				02:01	L	> 10000		03:03	L	> 10000	04:01	L	> 10000									
38																							05:01	L	< 2000				05:05	L	2000-5000
39																															
41																															
42																							05:01	L	2000-5000	05:03	L	< 2000	05:05	L	2000-5000
45																							05:01	L	2000-5000	05:03	L	< 2000	05:05	L	2000-5000
48																															
51																															
54																							05:01	L	< 2000				05:05	L	< 2000
58																							05:01	L	2000-5000				05:05	L	2000-5000
62																															
100																															
112	01:01	L	> 10000	01:02	L	> 10000	01:03	L	> 10000	01:04	L	> 10000																			
114	01:01	L	> 10000	01:02	L	> 10000	01:03	L	> 10000								03:03	L	> 10000				05:01	L	< 2000				05:05	L	2000-5000
116																							05:01	L	< 2000				05:05	L	< 2000
117	01:01	L	5001-9999	01:02	L	5001-9999	01:03	L	5001-9999								03:03	L	5001-9999	04:01	L	5001-9999	05:01	L	< 2000				05:05	L	< 2000
119																							05:01	L	< 2000	05:03	L		05:05	L	2000-5000
120																							05:01	L	< 2000	05:03	L		05:05	L	< 2000
133	01:01	L	> 10000	01:02	L	> 10000	01:03	L	> 10000	01:04	L	> 10000																			
136	01:01	L	> 10000	01:02	L	> 10000	01:03	L	5001-9999								03:03	L	> 10000				05:01	L	< 2000				05:05	L	< 2000
142	01:01	L	> 10000	01:02	L	> 10000	01:03	L	> 10000				02:01	L	> 10000		03:03	L	> 10000	04:01	L	> 10000	05:01	L	< 2000				05:05	L	< 2000
143																															
145																													05:05	L	< 2000
149	01:01	L	5001-9999	01:02	L	5001-9999	01:03	L	5001-9999	01:04	L	5001-9999																			
157	01:01	L	> 10000	01:02	L	> 10000	01:03	L	> 10000								03:03	L	> 10000				05:01	L	< 2000				05:05	L	< 2000
160	01:01	L	> 10000	01:02	L	> 10000	01:03	L	5001-9999								03:03	L	> 10000										05:05	L	> 10000
162																							05:01	L	< 2000				05:05	L	< 2000
165																															
169																															
181																													05:05	L	< 2000
185	01:01	L	> 10000	01:02	L	> 10000	01:03	L	> 10000	01:04	L	> 10000																			
194																							05:01	L	< 2000				05:05	L	< 2000
195																							05:01	L	2000-5000				05:05	L	2000-5000
197																															
206																							05:01	L	< 2000	05:03	L	< 2000	05:05	L	2000-5000
212																															
214	01:01	L	> 10000	01:02	L	> 10000	01:03	L	> 10000	01:04	L																				
216																															
218	01:01	L	> 10000	01:02	L	> 10000	01:03	L	> 10000	01:04	L	> 10000																			
222																															
227																							05:01	L	< 2000				05:05	L	< 2000
229 NT																															
230																															
232	01:01	L	> 10000	01:02	L	> 10000	01:03	L	5001-9999				02:01	L	> 10000		03:03	L	> 10000	04:01	L	> 10000	05:01	L	< 2000				05:05	L	< 2000
242																															
252																															
267	01:01	L	> 10000	01:02	L	> 10000	01:03	L	> 10000	01:04	L	> 10000																			
268																															
273	01:01	L	> 10000	01:02	L	> 10000	01:03	L	5001-9999				02:01	L	> 10000		03:03	L	> 10000				05:01	L	2000-5000				05:05	L	2000-5000
277																							05:01	L	< 2000	05:03	L	< 2000	05:05	L	< 2000
284																							05:01	L	< 2000				05:05	L	< 2000
292	01:01	L	> 10000	01:02	L	> 10000	01:03	L	> 10000								03:03	L	> 10000				05:01	L	< 2000	05:03	L		05:05	L	< 2000
293										01:04	L	> 10000																			
294	01:01	L	5001-9999	01:02	L	5001-9999	01:03	L	5001-9999	01:04	L	5001-9999																			
302																															
303	01:01	L	> 10000	01:02	L	> 10000	01:03	L	> 10000								03:03	L	> 10000				05:01	L	2000-5000	05:03	L	< 2000	05:05	L	2000-5000
309																															
351	01:01	L	> 10000	01:02	L	> 10000	01:03	L	> 10000				02:01	L	> 10000		03:03	L	> 10000	04:01	L	> 10000	05:01	L	< 2000				05:05	L	< 2000
361	01:01	L	> 10000	01:02	L	> 10000	01:03	L	> 10000	01:04	L	> 10000																			
392 NT																															
401 NT																															
411	01:01	L	> 10000	01:02	L	> 10000							02:01	L	> 10000		03:03	L	> 10000				05:01	L	< 2000				05:05	L	< 2000

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

	01:01	01:02	01:03	01:04	02:01	03:03	04:01	05:01	05:03	05:05
Number reporting Sepcificity	23 < 2000	23 < 2000	22 < 2000	10 < 2000	6 < 2000	14 < 2000	5 < 2000	31 < 2000	11 < 2000	36 < 2000
Total number of participants	72 0	72 0	72 0	72 0	72 0	72 0	72 0	72 23	72 5	72 22
	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	8	0	13
	5001-9999	5001-9999	5001-9999	5001-9999	5001-9999	5001-9999	5001-9999	5001-9999	5001-9999	5001-9999
	3	3	7	2	0	1	1	0	0	0
	> 10000	> 10000	> 10000	> 10000	> 10000	> 10000	> 10000	> 10000	> 10000	> 10000
	20	20	15	7	6	13	4	0	0	1

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

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 308/2018

DESPATCHED ON 13 NOVEMBER 2018

DPA1* Antibodies - NOT ASSESSED

	01:03			01:04			01:05			02:01			02:02			03:01			04:01		
Consensus	Not Assessed			Not Assessed			Not Assessed			Not Assessed			Not Assessed			Absent			Not Assessed		
% reported	8.3%			13.9%			12.5%			8.3%			6.9%			1.4%			16.7%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9																					
11																					
12																					
14																					
15																					
19																					
20																					
23																					
24																					
25																					
26																					
28																					
34																					
35	01:03 L		> 10000	01:04 L		> 10000	01:05 L		> 10000	02:01 L		> 10000	02:02 L		> 10000				04:01 L		> 10000
38																					
39																					
41																					
42																					
45																					
48																					
51																					
54																					
58																					
62																					
100																					
112																					
114																					
116																					
117				01:04 L		5001-9999	01:05 L		5001-9999										04:01 L		
119																					
120																					
133																					
136				01:04 L		> 10000	01:05 L		> 10000										04:01 L		> 10000
142	01:03 L		> 10000	01:04 L		> 10000	01:05 L		> 10000	02:01 L		> 10000	02:02 L		> 10000	03:01 L		> 10000	04:01 L		> 10000
143																					
145																					
149																					
157																			04:01 L		> 10000
160				01:04 L		> 10000	01:05 L		> 10000										04:01 L		> 10000
162																					
165																					
169																					
181																					
185																					
194																					
195																					
197																					
206																					
212																					
214																					
216																					
218																					
222																					
227																					
229 NT																					
230																					
232	01:03 L		> 10000	01:04 L		> 10000	01:05 L		> 10000	02:01 L		> 10000	02:02 L		> 10000				04:01 L		5001-9999
242																					
252																					
267																					
268																					
273				01:04 L		> 10000	01:05 L		> 10000										04:01 L		> 10000
277																					
284																					
292																			04:01 L		> 10000
293	01:03 L		> 10000							02:01 L		> 10000									
294																					
302																					
303				01:04 L		> 10000													04:01 L		> 10000
309																					
351	01:03 L		> 10000	01:04 L		> 10000	01:05 L		> 10000	02:01 L		> 10000	02:02 L		> 10000				04:01 L		> 10000
361																					
392 NT																					
401 NT																					
411	01:03 L		> 10000	01:04 L		> 10000	01:05 L		> 10000	02:01 L		> 10000	02:02 L		> 10000				04:01 L		> 10000

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

Number reporting Sepcificity	6	< 2000	10	< 2000	9	< 2000	6	< 2000	5	< 2000	1	< 2000	12	< 2000
Total number of participants	72	0	72	0	72	0	72	0	72	0	72	0	72	0
		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
		0		0		0		0		0		0		0
		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999
		0		1		1		0		0		0		1
		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000
		6		9		8		6		5		1		10

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

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 308/2018

DESPATCHED ON 13 NOVEMBER 2018

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 kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative
9	L	EDTA	No		DRB1*04:02	LS2A01	500	10171	74												
11	L	EDTA	No	19	DRB1*04:02 DRB5*01:01	LS2A01	1000	4791	32	LSM12	2.5	6565	81								
12	L	EDTA		19	DRB1*04:02 DRB5*01:01	LS2A01	500	9170	103												
14	L	Heat inactivation, EDTA	No	19	DRB1*04:02 DRB5*01:01	LS2A01	1500	10569	22.52												
15	L	EDTA	No	19	DRB1*01:01, 04:02 DRB5*01:01	LS2A01	1000	11945	68												
19	L	EDTA	No		DRB1*04:02 DRB5*01:01	LS2A01	1000	9165	72												
20	C, L	EDTA	No		DRB1*04:02 DRB5*01:01	LS2A01	1000	9464.18	40.46												
23	L				DRB1*04:02 DRB5*01:01																
24	L	Adsorption beads, EDTA	Yes	19	DRB1*01:01, 04:02 DRB5*01:01	LS2A01	1000	11984	53	LSM12	4.5	15352	202	LS2PRA	1000	15769	97	LSAII	1500/4/5	14428	257
25	L	EDTA	No	19	DQB1*03:01/DQA1*05:05 & DQA1*05:03 only DQB1*02:01/DQA1*05:01 only	LS2A01	1000	10168	65	LSAII	1500	15257	160								
26	L	No treatment	No	19	DRB1*04:02	LS2A01		12004	14												
28	L	No treatment		19	DRB1*04:02 DRB5*01:01	LS2A01	500	9684	75												
34	L	EDTA	No	19	DRB1*04:02 DRB5*01:01	LS2A01	1337	11245	21												
35	L	EDTA	No	19	DRB1*04:02 DRB5*01:01	LS2A01	1000	8329	58												
38	L	EDTA	No	19	DRB5*01:01	LS2A01	1000	9452	84	LSAII	1000	19064	372								
39	L	EDTA	No	19	DRB1*04:02	LS2A01	5591	11089	22												
41	L	EDTA	No	19	DRB1*01:01, 04:02 DRB5*01:01	LS2A01	2000	6880	28												
42	L	EDTA		19	DRB1*04:02 DRB5*01:01	LS2A01	500	7977	80												
45	L	Adsorption beads, EDTA	No		DRB1*04:02 DRB5*01:01	LS2A01	1500	12000	30												
48	L	Heat inactivation	No	19	DRB1*04:02 DRB5*01:01																
51	L	EDTA	No		DRB1*04:02 DRB3*02:02	LS2A01	1500	6727	40												
54	L	EDTA	No	19	DRB1*04:02 DRB5*01:01	LS2A01	1000	10157	53												
58	L	EDTA	No	18		LS2A01	1000	10415	101	LSM12	3.0	15337	165								
62	L	EDTA	No	19	DRB1*04:02 DRB5*01	LS2A01	1500	10666	62	LSAII	MFI/LRA	17491	564								
100	L	No treatment	No			LSAII	750	12089	234												
112	L	No treatment	No		DRB1*04:02	LSAII	500	19957	276												
114	L	EDTA	No		DRB1*04:02	LS2A01	1000	8827	50												
116	L	EDTA	No	19	DRB1*04:02 DRB5*01:01	LS2A01	1000	8238	34	LSM12		9025	124								
117	L	No treatment	No	19	DRB5*01:01	LS2A01	500	9067	20												
119	L	EDTA	No	18	DRB1*04:02 DRB5*01:01	LS2A01	1000	8628	24	LSM12	1.5	7809	21								
120	L	EDTA	No		DRB1*04:02 DRB5*01:01	LS2A01	500	8820	23												
133	L	Heat inactivation		3005428	DRB1*01:03, 03:01, 03:02, 03:02, 04:02, 08:01, 08:02, 11:01, 11:03, 11:04, 12:01, 12:02, 13:01, 13:03, 13:05, 14:01, 14:03, 14:04, 15:01, 15:02, 15:03, 16:01, 16:02 DRB3*01:01, 02:02, 03:01 DRB5*01:01 DQB1*04:01, 04:02, 05:01, 05:03, 06:01, 06:02, 06:03, 06:04 DQA1*01:01, 01:02, 01:03, 01:04 DPB1*02:01, 04:02, 18:01, 28:01	LSAII		16786	342											
136	L	No treatment	No		DRB1*04:02 DRB5*01:01	LS2A01	1000	10640	42												
142	L	EDTA	No			LS2A01	1000	9641	29												
143	L	No treatment	No			LS2A01	1000	13810	166												
145	L	No treatment	No	16	DRB1*04:02 DRB5*01:01	LS2A01	1000	6887	31												
149	L	No treatment	No		DRB1*01:03, 04:02	LSAII	1000	21381	286												
157	L	EDTA	No	19	DRB1*01:01, 04:02 DRB5*01:01	LS2A01	1000	8659	20.41												
160	L	Adsorption beads	No	17	The One Lambda single antigen kit does not discriminate between DPB1*04:01 and 04:02. It reports DP4	LS2A01	1000	5777	31												
162	L	EDTA	No		DRB1*04:02 DRB5*01:01	LS2A01	1000	8557	28.4	LSM12	3	9802	23.8								
165	L	No treatment	No	17		LS2A01	48	7110	94												
169	L	No treatment	No			LS2A01	1000	5322	22												
181	L	EDTA	No	19		LS2A01	500	7337	34												
185	L	EDTA	No		DRB1*04:02 DPB1* Epitopes 56EE	LSAII	4	16324	193	LM2	2	19778	798	LMX	1	18209	101				
194	L	EDTA	No	18	DRB1*04:02 DRB5*01:01	LS2A01	1000	10003	33												
195	L	No treatment	No		DRB1*04:02 DRB5*01:01	LS2A01	1000	10416	98												
197	L	No treatment																			
206	L	EDTA	No	271350	DRB1*04:02 DRB5*01:01	LS2A01	1000	9644	74												
212	L	No treatment				LM2	2000	18343	250												
214	L				DQB1*04:01, 04:02, 05:01, 05:02, 05:03, 06:01, 06:02, 06:03, 06:04 DRB1*03:01, 03:02, 03:03, 08:01, 08:02, 11:01, 11:03, 11:04, 12:01, 12:02, 13:01, 13:03, 13:05, 14:01, 14:03, 14:04, 15:01, 15:02, 15:03, 16:01, 16:02 DRB3*01:01, 02:02, 03:01 DRB5*01:01	LSAII	750	15976	373											
216	L	No treatment		300369		LM2	2500	16411	691												
218	L	Adsorption beads	Yes		DQB1*04:01, 04:02, 05:01, 06:01, 06:02, 06:03, 06:04 DRB1*01:01, 03:01, 03:02, 03:03, 04:02, 08:01, 08:02, 11:01, 11:03, 11:04, 12:01, 12:02, 13:01, 13:03, 13:05, 14:01, 14:03, 14:04, 15:01, 15:02, 15:03, 16:01, 16:02 DRB3*01:01, 02:02, 03:03 DRB5*01:01	LSAII	750	16543	277												
222	L	No treatment	No			LM2	800	18136	1114												
227	L				DRB1*04:02 DRB5*01:01																
229																					
230	L	No treatment	No	30006531		LSAII	500	1000	500												
232	L	No treatment	No	19	DRB3*01:01, 02:02, 03:01 DRB5*01:01	LS2A01	1200	8195	47												
242	L	Adsorption beads			DRB1*03:01, 03:02, 03:03	LSAII		16634	319												
252	L	No treatment				LM2		20428	1922												
267	L	EDTA	Yes			LSAII		14999	308												
268	L	EDTA	No	19		LS2A01	2000	9997	66	LS2PRA	2000	7571	97								
273	L	No treatment			DRB1*04:02 DRB5*01:01	LS2A01	1500	11327	30												
277	L	EDTA	No	19	DRB1*04:02 DRB5*01:01	LS2A01	500	7497	41												
284	L	EDTA	No		DRB1*04:02 DRB5*01:01	LS2A01	1000	9370	37	LSM12	5	10051	75								
292	L	EDTA	No	19	DRB1*04:02 DRB5*01:01	LS2A01	500	8655	46	LSM12	4.5	11876	77								
293	L	No treatment	No			LS2PRA	500	7482	15.47												
294	L	No treatment	No			LSAII		14943													
302	L	No treatment																			
303	L	Heat inactivation, EDTA	No	19	DRB1*04:02 DRB5*01:01	LS2A01	1000	9870	92												
309	L	No treatment	No	lot specific	DRB1*04:02	LSAII	600	18500	392												
351	L	EDTA	No	19		LS2A01	1500	9937	39												
361	L	No treatment	No	3006531	DRB1*04:02 DRB5*01:01	LSAII	500	16182	213												
392																					
401																					
411	L	No treatment	No	20	DRB1*01:01, 01:03, 03:01, 04:02, 08:01 DRB5*01:01																

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 II HLA ANTIBODY SPECIFICITY ANALYSIS OF 309/2018

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HLA specificity for assessment	DR103			DR16			DR17			DR18			DR4			DR11			DR12			DR13			DR14			DR7			DR8			DR9			DR52			DQ5			DQ6			DQ7		
Consensus	Absent			Absent			Absent			Absent			Absent			Absent			Absent			Absent			Absent			Not Assessed			Absent			Absent			Not Assessed			Not Assessed			Absent			Absent		
% reported	1.4%			1.4%			1.4%			1.4%			2.8%			4.2%			2.8%			4.2%			2.8%			9.7%			1.4%			1.4%			11.1%			13.9%			2.8%			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	spec	tech	MFI	spec	tech	MFI
9																																																
11																																																
12													DR4	L	< 2000													DR7	L	< 2000							DR52	L	< 2000									
14																																																
15																																																
19																																																
20																																																
23																																																
24																																																
25																																																
26																																																
28																																																
34																																																
35																																																
38																																																
39																																																
41																																																
42																												DR7	L	< 2000							DR52	L	< 2000									
45																												DR7	L	< 2000																		
48																																																
51																																																
54																																																
58																												DR7	L	< 2000																		
62																																																
100																																																
112																																					DR52	L	< 2000	DQ5	L	< 2000						
114																																																
116																																																
117																												DR7	L	< 2000																		
119																DR11	L																																
120																																																
133																																					DR52	L	< 2000	DQ5	L	< 2000						
136																																																
142																																																
143																																																
145																																																
149																																																
157																																																
160																																																
162																																																
165																																																
169																																																
181																																																
185																																																
194																																																
195																																																
197																																																
206	DR103	L	< 2000				DR17	L	< 2000	DR18	L	< 2000				DR11	L	< 2000	DR12	L	< 2000	DR13	L	< 2000	DR14	L	< 2000	DR7	L	< 2000	DR8	L	< 2000				DR52	L	< 2000	DQ5	L	2000-5000	DQ6	L	2000-5000			
212																																																
214																DR11	L	5001-9999				DR13	L	5001-9999	DR14	L	5001-9999														DQ5	L	< 2000	DQ6	L	< 2000			
216																																																
218																																					DR52	L	< 2000	DQ5	L	< 2000						
222																																																
227																																																
229 NT																																																
230																																					DR52	L	< 2000	DQ5	L	< 2000						
232																																																
242																																								DQ5	L	< 2000						
252																																																
267																																								DQ5	L	< 2000						
268																																																
273																																																
277																																																
284																																																
292																																																
293																																																
294																																								DQ5	L	< 2000						
302																																														DQ7	L	< 2000
303																																																
309																																																
351																																																
361																																								DQ5	L	< 2000						
392 NT																																																
401 NT																																																
411				DR16	L	< 2000							DR4	L	< 2000				DR12	L	< 2000	DR13	L	< 2000				DR7	L	< 2000				DR9	L	< 2000	DR52	L	< 2000									

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

Number reporting Sepcificity	1	< 2000		1	< 2000		1	< 2000		1	< 2000		2	< 2000		3	< 2000		2	< 2000		3	< 2000		2	< 2000		7	< 2000		1	< 2000		1	< 2000		8	< 2000		10	< 2000		2	< 2000		1	< 2000	
Total number of participants	72	1		72	1		72	1		72	1		72	2		72	1		72	2		72	2		72	1		72	7		72	1		72	1		72	8		72	9		72	1		72	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			2000-5000			2000-5000			2000-5000			2000-5000	
		0			0			0			0			0			0			0			0			0			0			0			0			0			1			1			0		
		5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999	
		0			0			0			0			0			1			0			1			1			0			0			0			0			0			0			0	
		> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000	
		0			0			0			0			0			0			0			0			0			0			0			0			0			0			0			0	

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CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 309/2018

DESPATCHED ON 13 NOVEMBER 2018

DPB1* Antibodies - NOT ASSESSED

	01:01			04:01			09:01			10:01			14:01			17:01			19:01			23:01		
Consensus	Absent			Absent			Absent			Not Assessed			Not Assessed			Absent			Absent			Absent		
% reported	1.4%			1.4%			1.4%			12.5%			19.4%			1.4%			1.4%			2.8%		
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
9																								
11																								
12							09:01 L		< 2000	10:01 L		2000-5000	14:01 L		2000-5000	17:01 L		< 2000						
14																								
15																								
19																								
20													14:01 L		< 2000									
23																								
24																								
25																								
26																								
28										10:01 L		< 2000	14:01 L		< 2000									
34																								
35																								
38																								
39																								
41																								
42										10:01 L		< 2000	14:01 L		< 2000							23:01 L		< 2000
45										10:01 L		2000-5000	14:01 L		2000-5000									
48																								
51																								
54																								
58										10:01 L		< 2000	14:01 L		2000-5000									
62																								
100																								
112																								
114																								
116																								
117										10:01 L		5001-9999	14:01 L		< 2000									
119																								
120										10:01 L		< 2000	14:01 L		< 2000									
133																								
136																								
142													14:01 L		< 2000									
143																								
145																								
149																								
157																								
160																								
162																								
165																								
169																								
181													14:01 L		< 2000									
185																								
194													14:01 L		< 2000									
195																								
197																								
206										10:01 L		< 2000	14:01 L		2000-5000									
212																								
214																								
216																								
218																								
222																								
227																								
229 NT																								
230																								
232																								
242																								
252																								
267																								
268																								
273																								
277																								
284													14:01 L		< 2000									
292																								
293																								
294																								
302																								
303																								
309																								
351																								
361																								
392 NT																								
401 NT																								
411	01:01 L		< 2000	04:01 L		< 2000				10:01 L		< 2000	14:01 L		< 2000				19:01 L		< 2000	23:01 L		< 2000

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

Number reporting Sepcificity	1	< 2000	1	< 2000	1	< 2000	9	< 2000	14	< 2000	1	< 2000	1	< 2000	2	< 2000
Total number of participants	72	1	72	1	72	1	72	6	72	10	72	1	72	1	72	2
		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
		0		0		0		2		4		0		0		0
		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999
		0		0		0		1		0		0		0		0
		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000
		0		0		0		0		0		0		0		0

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

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 309/2018

DESPATCHED ON 13 NOVEMBER 2018

DQA1* Antibodies - NOT ASSESSED

	01:02			
Consensus	Absent			
% reported	1.4%			
Lab no.		spec	tech	MFI
9				
11				
12				
14				
15				
19				
20				
23				
24				
25				
26				
28				
34				
35				
38				
39				
41				
42				
45				
48				
51				
54				
58				
62				
100				
112				
114				
116				
117				
119				
120				
133				
136				
142				
143				
145				
149				
157				
160				
162				
165				
169				
181				
185				
194				
195				
197				
206				
212				
214		01:02	L	< 2000
216				
218				
222				
227				
229	NT			
230				
232				
242				
252				
267				
268				
273				
277				
284				
292				
293				
294				
302				
303				
309				
351				
361				
392	NT			
401	NT			
411				

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

Number reporting Sepcificity	1	< 2000
Total number of participants	72	1
		2000-5000
		0
		5001-9999
		0
		> 10000
		0

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

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 309/2018

DESPATCHED ON 13 NOVEMBER 2018

DPA1* Antibodies - NOT ASSESSED

	01:03			02:01			02:02		
Consensus	Absent			Absent			Absent		
% reported	1.4%			2.8%			1.4%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9									
11									
12									
14									
15									
19									
20									
23									
24									
25									
26									
28									
34									
35									
38									
39									
41									
42									
45									
48									
51									
54									
58									
62									
100									
112									
114									
116									
117									
119									
120									
133									
136									
142				02:01	L	< 2000			
143									
145									
149									
157									
160									
162									
165									
169									
181									
185									
194									
195									
197									
206									
212									
214									
216									
218									
222									
227									
229 NT									
230									
232									
242									
252									
267									
268									
273									
277									
284									
292									
293									
294									
302									
303									
309									
351									
361									
392 NT									
401 NT									
411	01:03	L	< 2000	02:01	L	< 2000	02:02	L	< 2000

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

Number reporting Sepcificity	1	< 2000		2	< 2000		1	< 2000	
Total number of participants	72	1		72	2		72	1	
		2000-5000			2000-5000			2000-5000	
		0			0			0	
		5001-9999			5001-9999			5001-9999	
		0			0			0	
		> 10000			> 10000			> 10000	
		0			0			0	

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CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 309/2018

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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	No			LS2A01	1000	9000	80								
11	L	EDTA	No	19		LS2A01	1000	4756	17	LSM12	2.5	6214	42				
12	L	EDTA		19	DRB1*04:04 DRB03:01 Would interepret as non-specific	LS2A01	500	10321	89								
14	L	Heat inactivation, EDTA	No	19		LS2A01	1500	12047	31.09								
15	L	EDTA	No	19		LS2A01	1000	10111	45								
19	L	EDTA	No			LS2A01	1000	9631	25								
20	C, L	EDTA	No	19		LS2A01	1000	9030.46	16.38								
23	L	EDTA	No	19		LS2A01	1000	6737	22.77								
24	L	No treatment	No	19		LSM12	4.5	16468	120	LS2PRA	1000	14859	23				
25	L		No	19													
26	L	No treatment	No	19		LS2A01		9786	57								
28	L	No treatment		19		LS2A01	500	8318	34								
34	I	EDTA	No	19		LS2A01	1386	10857	34								
35	L	EDTA	No	19		LS2A01	1000	9711	53								
38	L	EDTA	No	19		LS2A01	1000	11506	27	LSAII	1000	18721	155				
39	L	EDTA	No	19		LS2A01	1500	10187	39								
41	L	EDTA	No	19		LS2A01	2000	6911	22								
42	L	EDTA		19	DRB*03:01	LS2A01	500	10778	69								
45	L	Adsorption beads, EDTA	No			LS2A01	1500	16000	70								
48	L	Heat inactivation	No	19													
51	L	EDTA	No			LS2A01	1000	7046	59								
54	L	EDTA	No	19		LS2A01	1000	12815	182								
58	L	EDTA	No	18		LS2A01	1000	10060	60	LSM12	3.0	10984	65				
62	L	EDTA	No	19		LS2A01	1500	11000	41	LSAII	MFI/LRA	16538	237				
100	L				DQA1*01:02/DQB1*05:02	LSAII	750	12531	136								
112	L	No treatment	No			LSAII	500	19731	235								
114	L	EDTA	No			LS2A01	1000	9215	40								
116	L	EDTA	No	19		LSM12		9212	123								
117	L	No treatment	No	19		LS2A01	500	10649	20								
119	L	EDTA	No		DRB1*13:01	LS2A01	1000	6277		LSM12	1.5	6996	21				
120	L	EDTA	No			LS2A01	500	8736	18								
133	L	Heat inactivation		3005428	DRB3*03:01 DQB1*05:02	LSAII		16132	179								
136	L	No treatment	No			LS2A01	1000	10732	32								
142	L	EDTA	No			LS2A01	1000	9243	29								
143	L	No treatment	No			LS2A01	1000	14046	64								
145	L	No treatment	No	16		LS2A01	1000	6149	23								
149	L	No treatment	No			LSAII	1000	16645	232								
157	L	EDTA	No	19		LS2A01	1000	10408	24.62								
160	L	Adsorption beads	No	17		LS2A01	1000	6773	46								
162	L	EDTA	No			LS2A01	1000	9792	26.4	LSM12	3	10026	20.9				
165	L	No treatment	No	17		LS2A01		7683	46								
169	L	No treatment	No			LS2A01	1000	8162	24								
181	L	EDTA	No	19		LS2A01	500	8424	29								
185	L	EDTA	No			LSAII	4	17246	192	LM2	2	20455	95	LMX	1	17597	125
194	L	EDTA	No	18		LS2A01	1000	9831	30								
195	L	No treatment	No			LS2A01	1000	8427	44								
197	L	No treatment	No														
206	L	EDTA	Yes	271350	DRB3*03:01	LS2A01	1000	9840	71								
212	L	No treatment				LM2	1000	20150	300								
214	L				DRB1*11:01, 11:03, 11:04	LSAII	750	16120	204								
216	L	No treatment		3006369		LM2	1000	17713	105								
218	L	Adsorption beads	Yes		DQB1*05:02, DRB3*03:01	LSAII	750	17466	276								
222	L	No treatment	No			LM2	800	18246	105								
227	L																
229																	
230	L	No treatment	No	3006531		LSAII	500	10000	500								
232	L	No treatment	No	19	All MFIs below 1200	LS2A01	1200	7599	25								
242	L	Adsorption beads				LSAII		17804	169								
252	L	No treatment				LM2		18324	165								
267	L	EDTA	No			LSAII		15237	135								
268	L	EDTA	No	19		LS2A01	2000	9395	31	LS2PRA	2000	7778	47				
273	L	No treatment	No			LS2A01	1500	10989	36								
277	L	EDTA	No	19		LS2A01	500	7206	27								
284	L					LS2A01	1000	9425	27	LSM12	5	10319	46				
292	L	EDTA	No			LS2A01	500	10041	30	LSM12	4.5	12682	52				
293	L	No treatment	No			LS2A01	500	8179	19								
294	L	No treatment	No		DQB1*05:02	LSAII		15025									
302	L	No treatment															
303	L	Heat inactivation, EDTA	No	19		LS2A01	1000	11712	44								
309	L	No treatment	No			LSAII	500	18000	150								
351	L	EDTA	No	19		LS2A01	1500	11599	34								
361	L	No treatment	No	3006531	DQB1*05:02	LSAII	500	16420	125								
392																	
401																	
411	L	No treatment	No	20	DRB1*07:01, 09:02, 13:01	LS2A01	X6	8152.4	50.92	LSM12	2.2	10538	61.64				

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 II HLA ANTIBODY SPECIFICITY ANALYSIS OF 310/2018

DESPATCHED ON 13 NOVEMBER 2018

HLA specificity for assessment

Consensus	DR1			DR103			DR15			DR16			DR17			DR18			DR4			DR11			DR12			DR13			DR14			DR14 03			DR1404			DR7		
% reported	Present 82.4%			Present 76.5%			Present 80.9%			Present 83.8%			Present 85.3%			Present 86.8%			Present 83.8%			Present 92.6%			Present 82.4%			Present 89.7%			Present 89.7%			Not Assessed 7.4%			Not Assessed 5.9%			Not Assessed 70.6%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9																																										
11	DR1	L	5001-9999				DR15	L	5001-9999	DR16	L	5001-9999	DR17	L	5001-9999	DR18	L	5001-9999	DR4	L	5001-9999	DR11	L	> 10000	DR12	L	5001-9999	DR13	L	> 10000	DR14	L	> 10000							DR7	L	2000-5000
12	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	5001-9999	DR16	L	5001-9999	DR17	L	5001-9999	DR18	L	5001-9999	DR4	L	5001-9999	DR11	L	5001-9999	DR12	L	5001-9999	DR13	L	5001-9999	DR14	L	5001-9999							DR7	L	5001-9999
14	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	5001-9999	DR16	L	5001-9999	DR17	L	5001-9999	DR18	L	5001-9999	DR4	L	5001-9999	DR11	L	> 10000	DR12	L	5001-9999	DR13	L	> 10000	DR14	L	> 10000							DR7	L	2000-5000
15	DR1	L	2000-5000	DR103	L	2000-5000	DR15	L	5001-9999	DR16	L	5001-9999	DR17	L	5001-9999	DR18	L	2000-5000	DR4	L	5001-9999	DR11	L	5001-9999	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	5001-9999							DR7	L	2000-5000
19 NT																																										
20	DR1	L	5001-9999	DR103	L	> 10000	DR15	L	> 10000	DR16	L	> 10000	DR17	L	> 10000	DR18	L	> 10000	DR4	L	> 10000	DR11	L	> 10000	DR12	L	> 10000	DR13	L	> 10000	DR14	L	> 10000							DR7	L	2000-5000
23	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	5001-9999	DR16	L	5001-9999	DR17	L	5001-9999	DR18	L	5001-9999	DR4	L	5001-9999	DR11	L	5001-9999	DR12	L	5001-9999	DR13	L	5001-9999	DR14	L	5001-9999							DR7	L	2000-5000
24	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	5001-9999	DR16	L	5001-9999	DR17	L	5001-9999	DR18	L	5001-9999	DR4	L	5001-9999	DR11	L	> 10000	DR12	L	5001-9999	DR13	L	> 10000	DR14	L	> 10000							DR7	L	2000-5000
25 NT																																										
26	DR1	L	2000-5000	DR103	L	2000-5000	DR15	L	2000-5000	DR16	L	2000-5000	DR17	L	2000-5000	DR18	L	2000-5000	DR4	L	2000-5000	DR11	L	5001-9999	DR12	L	2000-5000	DR13	L	5001-9999	DR14	L	2000-5000							DR7	L	2000-5000
28	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	5001-9999	DR16	L	5001-9999	DR17	L	5001-9999	DR18	L	5001-9999	DR4	L	5001-9999	DR11	L	> 10000	DR12	L	5001-9999	DR13	L	> 10000	DR14	L	5001-9999							DR7	L	2000-5000
34	DR1	L	2000-5000	DR103	L	5001-9999	DR15	L	5001-9999	DR16	L	5001-9999	DR17	L	5001-9999	DR18	L	5001-9999	DR4	L	5001-9999	DR11	L	5001-9999	DR12	L	5001-9999	DR13	L	5001-9999	DR14	L	5001-9999							DR7	L	2000-5000
35	DR1	L	2000-5000	DR103	L	5001-9999	DR15	L	5001-9999	DR16	L	5001-9999	DR17	L	5001-9999	DR18	L	5001-9999	DR4	L	5001-9999	DR11	L	5001-9999, > 10000	DR12	L	5001-9999	DR13	L	5001-9999	DR14	L	5001-9999							DR7	L	2000-5000
38	DR1	L	> 10000	DR103	L	> 10000	DR15	L	> 10000	DR16	L	> 10000	DR17	L	> 10000	DR18	L	> 10000	DR4	L	> 10000	DR11	L	> 10000	DR12	L	> 10000	DR13	L	> 10000	DR14	L	> 10000							DR7	L	5001-9999
39	DR1	L	2000-5000	DR103	L	2000-5000	DR15	L	5001-9999	DR16	L	5001-9999	DR17	L	5001-9999	DR18	L	5001-9999	DR4	L	5001-9999	DR11	L	5001-9999	DR12	L	5001-9999	DR13	L	5001-9999	DR14	L	5001-9999							DR7	L	2000-5000
41	DR1	L	> 10000	DR103	L	> 10000	DR15	L	> 10000	DR16	L	> 10000	DR17	L	> 10000	DR18	L	> 10000	DR4	L	> 10000	DR11	L	> 10000	DR12	L	> 10000	DR13	L	> 10000	DR14	L	> 10000							DR7	L	5001-9999
42	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	5001-9999	DR16	L	5001-9999	DR17	L	5001-9999	DR18	L	5001-9999	DR4	L	5001-9999	DR11	L	5001-9999	DR12	L	5001-9999	DR13	L	5001-9999	DR14	L	5001-9999							DR7	L	2000-5000
45	DR1	L	2000-5000	DR103	L	2000-5000	DR15	L	5001-9999	DR16	L	5001-9999	DR17	L	5001-9999	DR18	L	5001-9999	DR4	L	5001-9999	DR11	L	5001-9999	DR12	L	5001-9999	DR13	L	5001-9999	DR14	L	5001-9999									
48	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	5001-9999	DR16	L	> 10000	DR17	L	> 10000	DR18	L	5001-9999	DR4	L	5001-9999	DR11	L	> 10000	DR12	L	5001-9999	DR13	L	> 10000	DR14	L	> 10000	DR1403 L	> 10000	DR1404 L	> 10000						
51 NT																																										
54	DR1	L	> 10000	DR103	L	> 10000	DR15	L	> 10000	DR16	L	> 10000	DR17	L	> 10000	DR18	L	> 10000	DR4	L	> 10000	DR11	L	> 10000	DR12	L	> 10000	DR13	L	> 10000	DR14	L	> 10000							DR7	L	5001-9999
58	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	5001-9999	DR16	L	> 10000	DR17	L	> 10000	DR18	L	> 10000	DR4	L	> 10000	DR11	L	> 10000	DR12	L	> 10000	DR13	L	> 10000	DR14	L	> 10000							DR7	L	2000-5000
62	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	5001-9999	DR16	L	5001-9999	DR17	L	5001-9999	DR18	L	5001-9999	DR4	L	5001-9999	DR11	L	> 10000	DR12	L	5001-9999	DR13	L	> 10000	DR14	L	5001-9999							DR7	L	2000-5000
100																			DR4	L	2000-5000	DR11	L	2000-5000				DR13	L	2000-5000												
112																DR18	L	2000-5000	DR4	L	2000-5000	DR11	L	2000-5000				DR13	L	5001-9999	DR14	L	5001-9999	DR1403 L	2000-5000								
114	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	5001-9999	DR16	L	> 10000	DR17	L	> 10000	DR18	L	> 10000	DR4	L	> 10000	DR11	L	> 10000	DR12	L	5001-9999	DR13	L	> 10000	DR14	L	> 10000							DR7	L	2000-5000
116	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	> 10000	DR16	L	> 10000	DR17	L	> 10000	DR18	L	> 10000	DR4	L	> 10000	DR11	L	> 10000	DR12	L	> 10000	DR13	L	> 10000	DR14	L	> 10000							DR7	L	2000-5000
117	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	5001-9999	DR16	L	5001-9999	DR17	L	5001-9999	DR18	L	5001-9999	DR4	L	5001-9999	DR11	L	5001-9999	DR12	L	5001-9999	DR13	L	5001-9999	DR14	L	5001-9999							DR7	L	2000-5000
119	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	> 10000	DR16	L	> 10000	DR17	L	> 10000	DR18	L	> 10000	DR4	L	> 10000	DR11	L	> 10000	DR12	L	5001-9999, > 10000	DR13	L	> 10000	DR14	L	> 10000							DR7	L	5001-9999
120	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	> 10000	DR16	L		DR17	L	> 10000	DR18	L	5001-9999	DR4	L	> 10000	DR11	L	> 10000	DR12	L	5001-9999	DR13	L	> 10000	DR14	L	> 10000							DR7	L	2000-5000
133 NT																																										
136	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	> 10000	DR16	L	> 10000	DR17	L	> 10000	DR18	L	5001-9999	DR4	L	5001-9999	DR11	L	> 10000	DR12	L	5001-9999	DR13	L	> 10000	DR14	L	> 10000							DR7	L	2000-5000
142	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	5001-9999	DR16	L	5001-9999	DR17	L	5001-9999	DR18	L	5001-9999	DR4	L	5001-9999	DR11	L	> 10000	DR12	L	5001-9999	DR13	L	> 10000	DR14	L	> 10000							DR7	L	5001-9999
143	DR1	L	> 10000	DR103	L	> 10000	DR15	L	> 10000	DR16	L	> 10000	DR17	L	> 10000	DR18	L	> 10000	DR4	L	> 10000	DR11	L	> 10000	DR12	L	> 10000	DR13	L	> 10000	DR14	L	> 10000							DR7	L	> 10000
145	DR1	L	> 10000	DR103	L	> 10000	DR15	L	> 10000	DR16	L	> 10000	DR17	L	> 10000	DR18	L	> 10000	DR4	L	> 10000	DR11	L	> 10000	DR12	L	> 10000	DR13	L	> 10000	DR14	L	> 10000							DR7	L	5001-9999
149	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	5001-9999	DR16	L	5001-9999	DR17	L	5001-9999	DR18	L	5001-9999	DR4	L	5001-9999	DR11	L	5001-9999	DR12	L	5001-9999	DR13	L	5001-9999	DR14	L	5001-9999							DR7	L	5001-9999
157	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	5001-9999	DR16	L	5001-9999	DR17	L	5001-9999	DR18	L	5001-9999	DR4	L	5001-9999	DR11	L	> 10000	DR12	L	5001-9999	DR13	L	> 10000	DR14	L	> 10000							DR7	L	2000-5000
160	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	> 10000	DR16	L	5001-9999	DR17	L	> 10000	DR18	L	5001-9999	DR4	L	5001-9999	DR11	L	> 10000	DR12	L	5001-9999	DR13	L	> 10000	DR14	L	> 10000							DR7	L	2000-5000
162	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	> 10000	DR16	L	> 10000	DR17	L	> 10000	DR18	L	5001-9999	DR4	L	> 10000	DR11	L	> 10000	DR12	L	5001-9999	DR13	L	> 10000	DR14	L	> 10000							DR7	L	2000-5000
165	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	5001-9999	DR16	L	> 10000	DR17	L	> 10000	DR18	L	> 10000	DR4	L	5001-9999	DR11	L	> 10000	DR12	L	5001-9999	DR13	L	> 10000	DR14	L	> 10000							DR7	L	2000-5000
169	DR1	L	5001-9999	DR103	L	> 10000	DR15	L	> 10000	DR16	L	> 10000	DR17	L	> 10000	DR18	L	> 10000	DR4	L	> 10000	DR11	L	> 10000	DR12	L	> 10000	DR13	L	> 10000	DR14	L	> 10000							DR7	L	2000-5000
181	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	5001-9999	DR16	L	5001-9999	DR17	L	5001-9999	DR18	L	5001-9999	DR4	L	5001-9999	DR11	L	5001-9999	DR12	L	5001-9999	DR13	L	5001-9999	DR14	L	5001-9999							DR7	L	2000-5000
185													DR17	L		DR18	L					DR11	L					DR13	L		DR14	L										
194	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	5001-9999	DR16	L	5001-9999	DR17	L	5001-9999	DR18	L	5001-9999	DR4	L	5001-9999	DR11	L	> 10000	DR12	L	5001-9999	DR13	L	> 10000	DR14	L	> 10000							DR7	L	2000-5000
195	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	5001-9999	DR16	L	5001-9999	DR17	L	> 10000	DR18	L	5001-9999	DR4	L	> 10000	DR11	L	> 10000	DR12	L	5001-9999	DR13	L	> 10000	DR14	L	> 10000							DR7	L	2000-5000
197	DR1	L	2000-5000							DR16	L	2000-5000	DR17	L	5001-9999	DR18	L	2000-5000				DR11	L	5001-9999							DR14	L	5001-9999									
206	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	5001-9999	DR16	L	5001-9999	DR17	L	5001-9999	DR18	L	5001-9999	DR4	L	5001-9999	DR11	L	5001-9999	DR12	L	5001-9999	DR13	L	5001-9999	DR14	L	5001-9999							DR7	L	2000-5000
212	DR1	L	5001-9999	DR103	L	5001-9999																																				
214																																										
216	DR1	L	2000-5000	DR103	L	5001-9999	DR15	L	2000-5000	DR16	L	5001-9999	DR17	L	5001-9999	DR18	L	5001-9999	DR4	L	5001-9999	DR11	L	5001-9999	DR12	L	5001-9999	DR13	L	5001-9999	DR14	L	5001-9999									
218																						DR11	L	5001-9999																	
222	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L		DR16	L		DR17	L		DR18	L		DR4	L		DR11	L		DR12	L		DR13	L		DR14	L								DR7	L	
227	DR1	L		DR103	L		DR15	L		DR16	L		DR17	L		DR18	L		DR4	L		DR11	L		DR12	L		DR13	L		DR14	L										
229 NT																																										
230																			DR4	L	5001-9999	DR11	L	5001-9999				DR13	L	5001-9999	DR14	L	5001-9999									
232	DR1	L	5001-9999				DR15	L	5001-9999	DR16	L	5001-9999	DR17	L	5001-9999	DR18	L	5001-9999	DR4	L	5001-9999	DR11	L	5001-9999	DR12	L	5001-9999	DR13	L	5001-9999	DR14	L	5001-9999							DR7	L	2000-5000
242																																										
252	DR1	L	5001-9999				DR15	L	5001-9999	DR16	L	5001-9999	DR17	L	> 10000	DR18	L	> 10000				DR11	L	> 10000	DR12	L	> 10000	DR13	L	> 10000	DR14	L	> 10000									
267										DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	2000-5000	DR12	L	< 2000	DR13	L	< 2000	DR14	L	< 2000	DR1403 L	< 2000	DR1404 L	< 2000					
268																																										
273	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	> 10000	DR16	L	> 10000	DR17	L	> 10000	DR18	L	> 10000	DR4	L	> 10000	DR11	L	> 10000	DR12	L	> 10000	DR13	L	> 10000	DR14	L	> 10000							DR7	L	5001-9999
277	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	> 10000	DR16	L	> 10000	DR17	L	> 10000	DR18	L	> 10000	DR4	L	> 10000	DR11	L	> 10000	DR12	L	> 10000	DR13	L	> 10000	DR14	L	> 10000							DR7	L	2000-5000
284	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	5001-9999	DR16	L	5001-9999	DR17	L	5001-9999	DR18	L	5001-9999	DR4	L	5001-9999	DR11	L	> 10000	DR12	L	5001-9999	DR13	L	> 10000	DR14	L	> 10000							DR7	L	2000-5000
292	DR1	L	> 10000	DR103	L	> 10000	DR15	L	> 10000	DR16	L	> 10000	DR17	L	> 10000	DR18	L	> 10000	DR4	L	> 10000	DR11	L	> 10000	DR12	L	> 10000	DR13	L	> 10000	DR14	L	> 10000							DR7	L	5001-9999
293							DR15	L	5001-9999	DR16	L	5001-9999	DR17	L	5001-9999	DR18	L	5001-9999				DR11	L	> 10000	DR12	L	5001-9999	DR13	L	> 10000	DR14	L	> 10000									
294	DR1	L	2000-5000	DR103	L	2000-5000	DR15	L	2000-5000	DR16	L	2000-5000	DR17	L	2000-5000	DR18	L		DR4	L	2000-5000	DR11	L	5001-9999	DR12	L	2000-5000	DR13	L	2000-5000	DR14	L	2000-5000	DR1403 L	2000-5000	DR1404 L	2000-5000					
302	DR1	L	> 10000	DR103	L	> 10000	DR15	L	< 2000	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000	DR12	L	< 2000	DR13	L	< 2000	DR14	L	< 2000							DR7	L	< 2000
303	DR1	L	5001-9999	DR103	L	> 10000	DR15	L	> 10000	DR16	L	> 10000	DR17	L	> 10000	DR18	L	> 10000	DR4	L	> 10000	DR11	L	> 10000	DR12	L	> 10000	DR13	L	> 10000	DR14	L	> 10000							DR7	L	5001-9999
309	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	5001-9999	DR16	L	5001-9999	DR17	L	5001-9999	DR18	L	5001-9999	DR4	L	5001-9999	DR11	L	5001-9999	DR12	L	5001-9999	DR13	L	5001-9999	DR14	L	5001-9999	DR1403 L	5001-9999	DR1404 L	5001-9999				DR7	L	5001-9999
351	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	> 10000	DR16	L	> 10000	DR17	L	> 10000	DR18	L	> 10000	DR4	L	> 10000	DR11	L	> 10000	DR12	L	5001-9999	DR13	L	> 10000	DR14	L	> 10000							DR7	L	2000-5000
361																						DR11	L	5001-9999				DR13	L	5001-9999	DR14	L	5001-9999									
392 NT																																										
401 NT																																										
411	DR1	L	5001-9999	DR103	L	5001-9999	DR15	L	> 10000	DR16	L	> 10000	DR17	L	> 10000	DR18	L	> 10000	DR4	L	> 10000	DR11	L	> 10000	DR12	L	5001-9999	DR13	L	> 10000	DR14	L	> 10000							DR7	L	2000-5000

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

Number reporting Sepcificity	56	< 2000	52	< 2000	55	< 2000	57	< 2000	58	< 2000	59	< 2000	57	< 2000	63	< 2000	56	< 2000	61	< 2000	61	< 2000	5	< 2000	4	< 2000	48	< 2000														
Total number of participants	68	0	68	0	68	1	68	2	68	2	68	2	68	2	68	1	68	2	68	2	68	2	68	1	68	1	68	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		2000-5000		2000-5000														
		9		5		3		3		2		4		4		3		3		2		2		2		1		33														
		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999														
		39		36		30		28		26		30		29		20		34		19		21		1		1		12														
		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000														
		7		10		19		21		25		19		20		36		15		35		33		1		1		1														

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

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 310/2018

DESPATCHED ON 13 NOVEMBER 2018

HLA specificity for assessment

Consensus	DR8			DR9			DR10			DR51			DR52			DR53			DQ5			DQ6			DQ2			DQ7			DQ8			DQ9			DQ4		
% reported	Present 80.9%			Present 76.5%			Present 79.4%			Present 79.4%			Present 82.4%			Not Assessed 72.1%			Present 86.8%			Present 92.6%			Not Assessed 29.4%			Present 75.0%			Not Assessed 67.6%			Not Assessed 67.6%			Not Assessed 73.5%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9																																							
11	DR8	L	> 10000	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	5001-9999	DR52	L	5001-9999	DR53	L	5001-9999	DQ5	L	5001-9999	DQ6	L	5001-9999				DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000
12	DR8	L	5001-9999	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	5001-9999	DR52	L	5001-9999	DR53	L	5001-9999	DQ5	L	5001-9999	DQ6	L	5001-9999	DQ2	L	< 2000	DQ7	L	5001-9999	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000
14	DR8	L	> 10000	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	5001-9999	DR52	L	2000-5000	DR53	L	5001-9999	DQ5	L	5001-9999	DQ6	L	5001-9999	DQ2	L	2000-5000	DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000
15	DR8	L	5001-9999	DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR52	L	2000-5000	DR53	L	2000-5000	DQ5	L	2000-5000	DQ6	L	2000-5000				DQ7	L	< 2000							DQ4	L	< 2000
19 NT																																							
20	DR8	L	> 10000	DR9	L	5001-9999	DR10	L	> 10000	DR51	L	5001-9999	DR52	L	> 10000	DR53	L	2000-5000	DQ5	L	5001-9999	DQ6	L	> 10000	DQ2	L	< 2000	DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000
23	DR8	L	5001-9999	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	5001-9999	DR52	L	5001-9999	DR53	L	2000-5000	DQ5	L	5001-9999	DQ6	L	5001-9999				DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	< 2000	DQ4	L	2000-5000
24	DR8	L	5001-9999	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	5001-9999	DR52	L	5001-9999	DR53	L	2000-5000	DQ5	L	5001-9999	DQ6	L	5001-9999				DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000
25 NT																																							
26	DR8	L	2000-5000	DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR52	L	2000-5000	DR53	L	< 2000	DQ5	L	2000-5000	DQ6	L	2000-5000				DQ7	L	2000-5000									
28	DR8	L	5001-9999	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	5001-9999	DR52	L	5001-9999	DR53	L	2000-5000	DQ5	L	5001-9999	DQ6	L	5001-9999	DQ2	L	< 2000	DQ7	L	2000-5000	DQ8	L	< 2000	DQ9	L	< 2000	DQ4	L	2000-5000
34	DR8	L	5001-9999	DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR52	L	5001-9999	DR53	L	2000-5000	DQ5	L	2000-5000	DQ6	L	5001-9999				DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000
35	DR8	L	5001-9999	DR9	L	2000-5000	DR10	L	5001-9999	DR51	L	2000-5000	DR52	L	5001-9999	DR53	L	2000-5000	DQ5	L	2000-5000	DQ6	L	2000-5000, 5001-9999				DQ7	L	< 2000, 2000-5000	DQ8	L	< 2000	DQ9	L	< 2000	DQ4	L	< 2000
38	DR8	L	> 10000	DR9	L	> 10000	DR10	L	> 10000	DR51	L	5001-9999	DR52	L	> 10000				DQ5	L	5001-9999	DQ6	L	5001-9999															
39	DR8	L	5001-9999	DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR52	L	5001-9999	DR53	L	2000-5000	DQ5	L	2000-5000	DQ6	L	2000-5000				DQ7	L	< 2000							DQ4	L	< 2000
41	DR8	L	> 10000	DR9	L	> 10000	DR10	L	> 10000	DR51	L	5001-9999	DR52	L	> 10000	DR53	L	5001-9999	DQ5	L	> 10000	DQ6	L	> 10000				DQ7	L	5001-9999	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000
42	DR8	L	5001-9999	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	5001-9999	DR52	L	5001-9999	DR53	L	2000-5000	DQ5	L	5001-9999	DQ6	L	5001-9999	DQ2	L	< 2000	DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000
45	DR8	L	5001-9999	DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	5001-9999	DR52	L	5001-9999				DQ5	L	2000-5000	DQ6	L		DQ2	L	< 2000	DQ7	L	< 2000	DQ8	L	< 2000	DQ9	L	< 2000	DQ4	L	< 2000
48	DR8	L	> 10000	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	5001-9999	DR52	L	5001-9999				DQ5	L	5001-9999	DQ6	L	5001-9999															
51 NT																																							
54	DR8	L	> 10000	DR9	L	5001-9999	DR10	L	> 10000	DR51	L	5001-9999	DR52	L	> 10000	DR53	L	5001-9999	DQ5	L	5001-9999	DQ6	L	> 10000				DQ7	L	5001-9999	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000
58	DR8	L	> 10000	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	5001-9999	DR52	L	> 10000	DR53	L	5001-9999	DQ5	L	5001-9999	DQ6	L	5001-9999	DQ2	L	2000-5000	DQ7	L	5001-9999	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000
62	DR8	L	5001-9999	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	5001-9999	DR52	L	5001-9999	DR53	L	2000-5000	DQ5	L	5001-9999	DQ6	L	5001-9999				DQ7	L	2000-5000							DQ4	L	< 2000
100																			DQ5	L	< 2000	DQ6	L	< 2000															
112																						DQ6	L	< 2000															
114	DR8	L	> 10000	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	5001-9999	DR52	L	> 10000	DR53	L	2000-5000	DQ5	L	5001-9999	DQ6	L	5001-9999				DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000
116	DR8	L	> 10000	DR9	L	5001-9999	DR10	L	> 10000	DR51	L	5001-9999	DR52	L	> 10000	DR53	L	5001-9999	DQ5	L	5001-9999	DQ6	L	5001-9999	DQ2	L	< 2000	DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000
117	DR8	L	5001-9999	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L		DR52	L	5001-9999	DR53	L	2000-5000	DQ5	L		DQ6	L	2000-5000	DQ2	L	< 2000	DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	
119	DR8	L	> 10000	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	5001-9999	DR52	L	> 10000	DR53	L	5001-9999	DQ5	L	5001-9999	DQ6	L	5001-9999				DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000
120	DR8	L	> 10000	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	5001-9999	DR52	L	> 10000	DR53	L	5001-9999	DQ5	L	5001-9999	DQ6	L	5001-9999	DQ2	L	< 2000	DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000
133 NT																																							
136	DR8	L	> 10000	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	5001-9999	DR52	L	5001-9999	DR53	L	2000-5000	DQ5	L	5001-9999	DQ6	L	5001-9999				DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000
142	DR8	L	5001-9999	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	5001-9999	DR52	L	5001-9999	DR53	L	5001-9999	DQ5	L	5001-9999	DQ6	L	5001-9999	DQ2	L	< 2000	DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000
143	DR8	L	> 10000	DR9	L	> 10000	DR10	L	> 10000	DR51	L	> 10000	DR52	L	> 10000	DR53	L	> 10000	DQ5	L	> 10000	DQ6	L	> 10000	DQ2	L	2000-5000	DQ7	L	5001-9999	DQ8	L	5001-9999	DQ9	L	5001-9999	DQ4	L	5001-9999
145	DR8	L	> 10000	DR9	L	5001-9999, > 10000	DR10	L	> 10000	DR51	L	5001-9999	DR52	L	> 10000	DR53	L	5001-9999	DQ5	L	5001-9999	DQ6	L	5001-9999, > 10000				DQ7	L	2000-5000, 5001-9999	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	< 2000, 2000-5000
149	DR8	L	5001-9999	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	5001-9999	DR52	L	5001-9999	DR53	L	5001-9999	DQ5	L	5001-9999	DQ6	L	5001-9999	DQ2	L	< 2000	DQ7	L	5001-9999	DQ8	L	2000-5000	DQ9	L	5001-9999	DQ4	L	2000-5000
157	DR8	L	> 10000	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	5001-9999	DR52	L	5001-9999	DR53	L	2000-5000	DQ5	L	5001-9999	DQ6	L	5001-9999				DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000
160	DR8	L	> 10000	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	5001-9999	DR52	L	5001-9999	DR53	L	2000-5000	DQ5	L	5001-9999	DQ6	L	5001-9999				DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	< 2000
162	DR8	L	> 10000	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	5001-9999	DR52	L	5001-9999	DR53	L	2000-5000	DQ5	L	5001-9999	DQ6	L	5001-9999				DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000
165	DR8	L	> 10000	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	2000-5000	DR52	L	5001-9999	DR53	L	2000-5000	DQ5	L	2000-5000	DQ6	L	2000-5000							DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000
169	DR8	L	> 10000	DR9	L	> 10000	DR10	L	5001-9999	DR51	L	5001-9999	DR52	L	> 10000	DR53	L	5001-9999	DQ5	L	> 10000	DQ6	L	> 10000	DQ2	L	< 2000	DQ7	L	5001-9999	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000
181	DR8	L	5001-9999	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	2000-5000	DR52	L	5001-9999	DR53	L	2000-5000	DQ5	L	2000-5000	DQ6	L	2000-5000	DQ2	L	< 2000	DQ7	L	2000-5000	DQ8	L	< 2000	DQ9	L	< 2000	DQ4	L	< 2000
185																			DQ5	L		DQ6	L																
194	DR8	L	5001-9999	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	2000-5000	DR52	L	5001-9999	DR53	L	2000-5000	DQ5	L	2000-5000	DQ6	L	2000-5000				DQ7	L	2000-5000	DQ8	L	< 2000	DQ9	L	< 2000	DQ4	L	< 2000
195	DR8	L	> 10000	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	5001-9999	DR52	L	> 10000	DR53	L	2000-5000	DQ5	L	5001-9999	DQ6	L	5001-9999	DQ2	L	< 2000	DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000
197										DR51	L	5001-9999										DQ6	L	5001-9999				DQ7	L	5001-9999	DQ8	L	5001-9999				DQ4	L	2000-5000
206	DR8	L	5001-9999	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	2000-5000	DR52	L	5001-9999	DR53	L	2000-5000	DQ5	L	2000-5000	DQ6	L	2000-5000				DQ7	L	2000-5000	DQ8	L	< 2000	DQ9	L	< 2000	DQ4	L	< 2000
212										DR51	L	5001-9999	DR52	L	> 10000	DR53	L	5001-9999	DQ5	L	5001-9999	DQ6	L	5001-9999				DQ7	L	5001-9999	DQ8	L	5001-9999	DQ9	L	5001-9999	DQ4	L	5001-9999
214													DR52	L	< 2000				DQ5	L	< 2000																		
216	DR8	L	5001-9999				DR10	L	5001-9999																														
218																			DQ5	L	< 2000	DQ6	L	< 2000															
222	DR8	L		DR9	L		DR10	L		DR51	L	5001-9999	DR52	L	5001-9999	DR53	L	5001-9999	DQ5	L	5001-9999	DQ6	L	5001-9999				DQ7	L	5001-9999	DQ8	L	5001-9999	DQ9	L	2000-5000	DQ4	L	5001-9999
227	DR8	L		DR9	L		DR10	L		DR51	L		DR52	L					DQ5	L		DQ6	L					DQ7	L		DQ8	L		DQ9	L		DQ4	L	
229																																							
230																			DQ5	L	< 2000	DQ6	L	< 2000															
232	DR8	L	5001-9999	DR9	L	5001-9999	DR10	L	5001-9999										DQ5	L	2000-5000	DQ6	L	5001-9999				DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000
242																			DQ5	L	< 2000	DQ6	L	2000-5000															
252										DR51	L	5001-9999	DR52	L	> 10000	DR53	L	5001-9999																					
267	DR8	L	< 2000										DR52	L	< 2000							DQ6	L	< 2000															
268																			DQ5	L	5001-9999	DQ6	L	5001-9999				DQ7	L	5001-9999									
273	DR8	L	> 10000	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	5001-9999	DR52	L	> 10000	DR53	L	5001-9999	DQ5	L	5001-9999	DQ6	L	5001-9999	DQ2	L	< 2000	DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000
277	DR8	L	> 10000	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	5001-9999	DR52	L	> 10000	DR53	L	5001-9999	DQ5	L	5001-9999	DQ6	L	5001-9999	DQ2	L	< 2000	DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000
284	DR8	L	5001-9999	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	2000-5000	DR52	L	5001-9999	DR53	L	2000-5000	DQ5	L	5001-9999	DQ6	L	5001-9999				DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000
292	DR8	L	> 10000	DR9	L	5001-9999	DR10	L	> 10000	DR51	L	5001-9999	DR52	L	> 10000	DR53	L	5001-9999	DQ5	L	5001-9999	DQ6	L	5001-9999				DQ7	L	5001-9999	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000
293	DR8	L	5001-9999				DR10	L	5001-9999	DR51	L	5001-9999	DR52	L	5001-9999	DR53	L	5001-9999				DQ6	L	5001-9999				DQ7	L	5001-9999				DQ9	L	5001-9999	DQ4	L	5001-9999
294	DR8	L	2000-5000	DR9	L	< 2000	DR10	L	2000-5000				DR52	L	2000-5000																								
302	DR8	L	< 2000	DR9	L	< 2000	DR10	L	< 2000	DR51	L	> 10000	DR52	L	> 10000	DR53	L	> 10000	DQ5	L	> 10000	DQ6	L	> 10000				DQ7	L	> 10000	DQ8	L	> 10000	DQ9	L	> 10000	DQ4	L	> 10000
303	DR8	L	> 10000	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	5001-9999	DR52	L	> 10000	DR53	L	5001-9999	DQ5	L	5001-9999	DQ6	L	5001-9999	DQ2	L	< 2000	DQ7	L	5001-9999	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000
309	DR8	L	5001-9999	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	5001-9999	DR52	L	5001-9999	DR53	L	5001-9999	DQ5	L	< 2000	DQ6	L	< 2000															
351	DR8	L	> 10000	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	5001-9999	DR52	L	> 10000	DR53	L	5001-9999	DQ5	L	5001-9999	DQ6	L	5001-9999	DQ2	L	< 2000	DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000
361																						DQ6	L	< 2000															
392																																							
401																																							
411	DR8	L	> 10000	DR9	L	5001-9999	DR10	L	5001-9999	DR51	L	5001-9999	DR52	L	> 10000	DR53	L	2000-5000	DQ5	L	5001-9999	DQ6	L	5001-9999				DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000

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

Number reporting Sepcificity	55	< 2000	52	< 2000	54	< 2000	54	< 2000	56	< 2000	49	< 2000	59	< 2000	63	< 2000	20	< 2000	51	< 2000	46	< 2000	46	< 2000	50	< 2000
Total number of participants	68	2	68	2	68	1	68	0	68	2	68	1	68	6	68	7	68	17	68	3	68	6	68	7	68	9
		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
		2		6		6		10		4		23		11		9		3		30		34		33		33
		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999
		22		37		37		40		27		23		35		36		0		14		4		4		4
		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000
		27		5		8		2		22		2		4		7		0		1		1		1		1

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

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 310/2018

DESPATCHED ON 13 NOVEMBER 2018

DPB1* Antibodies - NOT ASSESSED

Lab no.	01:01 spec	01:01 tech	01:01 MFI	02:01 spec	02:01 tech	02:01 MFI	03:01 spec	03:01 tech	03:01 MFI	04:01 spec	04:01 tech	04:01 MFI	04:02 spec	04:02 tech	04:02 MFI	05:01 spec	05:01 tech	05:01 MFI	06:01 spec	06:01 tech	06:01 MFI	09:01 spec	09:01 tech	09:01 MFI	10:01 spec	10:01 tech	10:01 MFI	11:01 spec	11:01 tech	11:01 MFI	13:01 spec	13:01 tech	13:01 MFI	14:01 spec	14:01 tech	14:01 MFI	15:01 spec	15:01 tech	15:01 MFI	17:01 spec	17:01 tech	17:01 MFI	18:01 spec	18:01 tech	18:01 MFI	19:01 spec	19:01 tech	19:01 MFI	20:01 spec	20:01 tech	20:01 MFI	23:01 spec	23:01 tech	23:01 MFI	28:01 spec	28:01 tech	28:01 MFI
Consensus	Not Assessed			Not Assessed			Not Assessed			Absent			Not Assessed			Not Assessed			Not Assessed			Not Assessed			Not Assessed			Not Assessed			Not Assessed			Not Assessed			Not Assessed			Not Assessed			Not Assessed			Not Assessed			Not Assessed			Not Assessed		
% reported	51.5%			47.1%			48.5%			1.5%			47.1%			45.6%			48.5%			39.7%			54.4%			29.4%			41.2%			48.5%			13.2%			42.6%			51.5%			60.3%			55.9%			50.0%			50.0%		
9																																																								
11	01:01 L	< 2000											04:02 L			05:01 L	< 2000																										18:01 L	< 2000		19:01 L	2000-5000										
12	01:01 L	2000-5000		02:01 L	2000-5000		03:01 L	2000-5000		04:01 L	< 2000		04:02 L	2000-5000		05:01 L	2000-5000		06:01 L	2000-5000					10:01 L	2000-5000		11:01 L	2000-5000		13:01 L	< 2000		14:01 L	2000-5000		15:01 L	< 2000		17:01 L	2000-5000		18:01 L	2000-5000		19:01 L	2000-5000		20:01 L	2000-5000		23:01 L	< 2000		##### L	2000-5000	
14	01:01 L	2000-5000											04:02 L	< 2000		05:01 L	2000-5000								10:01 L	< 2000								14:01 L	< 2000								18:01 L	< 2000		19:01 L	2000-5000		20:01 L	< 2000							
15	01:01 L	< 2000																																												19:01 L	< 2000		20:01 L	< 2000		23:01 L	< 2000				
19 NT																																																								
20	01:01 L	2000-5000		02:01 L	< 2000		03:01 L	< 2000					04:02 L	< 2000		05:01 L	2000-5000		06:01 L	< 2000		09:01 L	< 2000		10:01 L	< 2000		11:01 L	< 2000		13:01 L	< 2000		14:01 L	< 2000					17:01 L	< 2000		18:01 L	< 2000		19:01 L	2000-5000		20:01 L	< 2000		23:01 L	< 2000		##### L	< 2000	
23				02:01 L	< 2000		03:01 L	< 2000					04:02 L	< 2000		05:01 L	< 2000		06:01 L	< 2000		09:01 L	< 2000		10:01 L	< 2000					13:01 L	< 2000		14:01 L	< 2000					17:01 L	< 2000		18:01 L	< 2000		19:01 L	2000-5000		20:01 L	< 2000		23:01 L	< 2000		##### L	< 2000	
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25 NT																																																								
26	01:01 L	< 2000		02:01 L	< 2000								04:02 L	< 2000		05:01 L	2000-5000		06:01 L	< 2000					10:01 L	< 2000		11:01 L	< 2000		13:01 L	< 2000														19:01 L	< 2000		20:01 L	< 2000		23:01 L	< 2000		##### L	< 2000	
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38																																																								
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41							03:01 L	2000-5000					04:02 L	2000-5000					06:01 L	2000-5000					10:01 L	2000-5000																	18:01 L	2000-5000		19:01 L	2000-5000		20:01 L	2000-5000					##### L	2000-5000	
42	01:01 L	< 2000		02:01 L	< 2000		03:01 L	< 2000					04:02 L	< 2000		05:01 L	2000-5000		06:01 L	< 2000		09:01 L	< 2000		10:01 L	< 2000		11:01 L	< 2000		13:01 L	< 2000		14:01 L	< 2000		15:01 L	< 2000		17:01 L	< 2000		18:01 L	< 2000		19:01 L	2000-5000		20:01 L	2000-5000		23:01 L	2000-5000		##### L	2000-5000	
45																																																								
48																																																								
51 NT																																																								
54	01:01 L	2000-5000		02:01 L	2000-5000		03:01 L	2000-5000					04:02 L	2000-5000					06:01 L	2000-5000		09:01 L	< 2000		10:01 L	2000-5000					13:01 L	< 2000		14:01 L	2000-5000					17:01 L	< 2000		18:01 L	2000-5000		19:01 L	2000-5000		20:01 L	< 2000		23:01 L	< 2000		##### L	2000-5000	
58	01:01 L	2000-5000		02:01 L	2000-5000		03:01 L	2000-5000					04:02 L	2000-5000		05:01 L	2000-5000		06:01 L	2000-5000		09:01 L	2000-5000		10:01 L	2000-5000		11:01 L	2000-5000		13:01 L	2000-5000		14:01 L	2000-5000		15:01 L	< 2000		17:01 L	2000-5000		18:01 L	2000-5000		19:01 L	2000-5000		20:01 L	2000-5000		23:01 L	2000-5000		##### L	2000-5000	
62																05:01 L	2000-5000								10:01 L	< 2000																			19:01 L	2000-5000		20:01 L	< 2000							
100																																																								
112																																																								
114	01:01 L	2000-5000		02:01 L	< 2000		03:01 L	< 2000					04:02 L	2000-5000					06:01 L	< 2000		09:01 L	< 2000		10:01 L	< 2000					13:01 L	< 2000		14:01 L	< 2000					17:01 L	< 2000		18:01 L	< 2000		19:01 L	2000-5000		20:01 L	2000-5000		23:01 L	< 2000		##### L	< 2000	
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133 NT																																																								
136	01:01 L	2000-5000					03:01 L	< 2000											06:01 L	< 2000											13:01 L	< 2000											18:01 L	< 2000											##### L	< 2000	
142	01:01 L	< 2000		02:01 L	< 2000		03:01 L	< 2000					04:02 L	< 2000		05:01 L	< 2000		06:01 L	< 2000		09:01 L	< 2000		10:01 L	< 2000		11:01 L	< 2000		13:01 L	< 2000		14:01 L	< 2000					17:01 L	< 2000		18:01 L	< 2000		19:01 L	2000-5000		20:01 L	< 2000		23:01 L	< 2000		##### L	< 2000	
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157	01:01 L	< 2000		02:01 L	< 2000		03:01 L	< 2000					04:02 L	< 2000					06:01 L	< 2000		09:01 L	< 2000		10:01 L	< 2000					13:01 L	< 2000		14:01 L	< 2000					17:01 L	< 2000		18:01 L	< 2000		19:01 L	2000-5000		20:01 L	2000-5000		23:01 L	< 2000		##### L	< 2000	
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165																									10:01 L	2000-5000																															
169																																																								
181	01:01 L	< 2000		02:01 L	< 2000		03:01 L	< 2000					04:02 L	< 2000		05:01 L	< 2000		06:01 L	< 2000		09:01 L	< 2000		10:01 L	< 2000		11:01 L	< 2000		13:01 L	< 2000		14:01 L	< 2000		15:01 L	< 2000		17:01 L	< 2000		18:01 L	< 2000		19:01 L	2000-5000		20:01 L	< 2000		23:01 L	< 2000		##### L	< 2000	
185																																																								
194	01:01 L	< 2000		02:01 L	< 2000		03:01 L	< 2000								05:01 L	< 2000		06:01 L	< 2000		09:01 L	< 2000		10:01 L	< 2000		11:01 L	< 2000		13:01 L	< 2000		14:01 L	< 2000					17:01 L	< 2000		18:01 L	< 2000		19:01 L	2000-5000		20:01 L	< 2000		23:01 L	< 2000		##### L	< 2000	
195	01:01 L	< 2000		02:01 L	< 2000		03:01 L	< 2000					04:02 L	< 2000		05:01 L	2000-5000		06:01 L	< 2000		09:01 L	< 2000		10:01 L	< 2000		11:01 L	< 2000		13:01 L	< 2000		14:01 L	< 2000					17:01 L	< 2000		18:01 L	< 2000		19:01 L	2000-5000		20:01 L	2000-5000		23:01 L	< 2000		##### L	< 2000	
197																																																								
206	01:01 L	< 2000		02:01 L	< 2000		03:01 L	< 2000					04:02 L	< 2000		05:01 L	< 2000		06:01 L	< 2000					10:01 L	< 2000					13:01 L	< 2000		14:01 L	< 2000					17:01 L	< 2000		18:01 L	< 2000		19:01 L	2000-5000		20:01 L	< 2000		23:01 L	< 2000		##### L	< 2000	
212																																																								
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232																05:01 L	< 2000																													19:01 L	< 2000		20:01 L	< 2000							
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267																																																								
268																																														19:01 L	2000-5000										
273	01:01 L	2000-5000		02:01 L	2000-5000		03:01 L	2000-5000					04:02 L	2000-5000		05:01 L	2000-5000		06:01 L	< 2000		09:01 L	< 2000		10:01 L	2000-5000		11:01 L	< 2000		13:01 L			14:01 L	2000-5000					17:01 L	< 2000		18:01 L	2000-5000		19:01 L	2000-5000		20:01 L	2000-5000		23:01 L	< 2000		##### L	< 2000	
277	01:01 L	< 2000		02:01 L	< 2000		03:01 L	< 2000					04:02 L	< 2000		05:01 L	< 2000		06:01 L	< 2000		09:01 L	< 2000		10:01 L	< 2000		11:01 L	< 2000		13:01 L	< 2000		14:01 L	< 2000		15:01 L	< 2000		17:01 L	< 2000		18:01 L	< 2000		19:01 L	2000-5000		20:01 L	< 2000		23:01 L	< 2000		##### L	< 2000	
284	01:01 L	< 2000		02:01 L	< 2000		03:01 L	< 2000					04:02 L	< 2000		05:01 L	< 2000		06:01 L	< 2000					10:01 L	< 2000		11:01 L	< 2000		13:01 L	< 2000		14:01 L	< 2000								18:01 L	< 2000		19:01 L	2000-5000		20:01 L	< 2000		23:01 L	< 2000		##### L	< 2000	
292																						09:01 L	2000-5000											14:01 L	2000-5000											19:01 L	2000-5000		20:01 L	2000-5000							
293																																																								
294																																																								
302																																																								
303	01:01 L	< 2000		02:01 L	2000-5000		03:01 L	2000-5000					04:02 L	2000-5000		05:01 L	< 2000		06:01 L	2000-5000		09:01 L	2000-5000		10:01 L	2000-5000		11:01 L	< 2000		13:01 L	< 2000		14:01 L	2000-5000		15:01 L	< 2000		17:01 L	2000-5000		18:01 L	2000-5000		19:01 L	2000-5000		20:01 L	2000-5000		23:01 L	< 2000		##### L	2000-5000	
309																																																								
351	01:01 L	2000-5000		02:01 L	< 2000		03:01 L	< 2000					04:02 L	< 2000		05:01 L	2000-5000		06:01 L	< 2000		09:01 L	< 2000		10:01 L	2000-5000		11:01 L	< 2000					14:01 L	< 2000					17:01 L	< 2000		18:01 L	2000-5000		19:01 L	2000-5000		20:01 L	2000-5000		23:01 L	< 2000		##### L	< 2000	
361																																																								
392 NT																																																								
401 NT																																																								
411																																														19:01 L	2000-5000										

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

Number reporting Sepcificity	35	< 2000	32	< 2000	33	< 2000	1	< 2000	32	< 2000	31	< 2000	33	< 2000	27	< 2000	37	< 2000	20	< 2000	28	< 2000	33	< 2000	9	< 2000	29	< 2000	35	< 2000	41	< 2000	38	< 2000	34	< 2000	34	< 2000
Total number of participants	68	24	68	25	68	24	68	1	68	22	68	16	68	25	68	22	68	26	68	16	68	25	68	25	68	9	68	24	68	25	68	6	68	24	68	30	68	25
		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		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
		11		7		8		0		9		15		8		5		11		3		2		7		0		5		10		34		14		4		9
		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999		5001-9999
		0		0		0		0		0		0		0		0		0		0		0		1		0		0		0		1		0		0		0
		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000		> 10000
		0		0		0		0		0		0		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 II HLA ANTIBODY SPECIFICITY ANALYSIS OF 310/2018

DESPATCHED ON 13 NOVEMBER 2018

DQA1* Antibodies - NOT ASSESSED

	01:01			01:02			01:03			02:01			03:01			03:02			03:03			04:01			05:01			05:03			05:05			06:01		
Consensus	Not Assessed			Not Assessed			Not Assessed			Not Assessed			Not Assessed			Not Assessed			Not Assessed			Not Assessed			Not Assessed			Not Assessed			Not Assessed			Not Assessed		
% reported	25.0%			29.4%			25.0%			17.6%			25.0%			25.0%			22.1%			23.5%			27.9%			7.4%			25.0%			23.5%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9																																				
11																																				
12																																				
14	01:01 L		5001-9999	01:02 L		2000-5000	01:03 L		5001-9999																						05:05 L		2000-5000	06:01 L		2000-5000
15	01:01 L		< 2000	01:02 L		< 2000	01:03 L		< 2000							03:02 L		< 2000													05:05 L		< 2000			
19 NT																																				
20																									05:01 L		< 2000									
23																						04:01 L		< 2000	05:01 L		< 2000									
24																									05:01 L		< 2000									
25 NT																																				
26																																				
28	01:01 L			01:02 L			01:03 L						03:01 L			03:02 L			03:03 L			04:01 L			05:01 L						05:05 L			06:01 L		
34																						04:01 L		< 2000												
35	01:01 L		2000-5000	01:02 L		2000-5000, 5001-9999	01:03 L		2000-5000	02:01 L		< 2000	03:01 L		< 2000	03:02 L		< 2000	03:03 L		< 2000										05:05 L		2000-5000	06:01 L		2000-5000
38																																				
39																03:02 L		< 2000																		
41																																				
42																																				
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48																																				
51 NT																																				
54													03:01 L		< 2000							04:01 L		< 2000	05:01 L		< 2000									
58																																				
62																																				
100				01:02 L		< 2000																														
112																																				
114	01:01 L		5001-9999	01:02 L		5001-9999	01:03 L		5001-9999				03:01 L		2000-5000	03:02 L		2000-5000	03:03 L		2000-5000	04:01 L		2000-5000	05:01 L		2000-5000				05:05 L		2000-5000	06:01 L		2000-5000
116													03:01 L		2000-5000							04:01 L		< 2000	05:01 L		< 2000									
117	01:01 L		2000-5000	01:02 L		2000-5000	01:03 L		2000-5000	02:01 L		< 2000	03:01 L		< 2000	03:02 L		2000-5000	03:03 L		2000-5000	04:01 L		< 2000	05:01 L		2000-5000				05:05 L		2000-5000	06:01 L		2000-5000
119													03:01 L		< 2000							04:01 L		< 2000												
120																																				
133 NT																																				
136	01:01 L		5001-9999	01:02 L		5001-9999	01:03 L		5001-9999	02:01 L		2000-5000	03:01 L		< 2000	03:02 L		2000-5000	03:03 L		2000-5000	04:01 L		< 2000	05:01 L		< 2000	05:03 L			05:05 L		2000-5000	06:01 L		2000-5000
142	01:01 L		5001-9999	01:02 L		5001-9999	01:03 L		5001-9999	02:01 L		2000-5000	03:01 L		< 2000	03:02 L		2000-5000	03:03 L		2000-5000	04:01 L		< 2000	05:01 L		< 2000				05:05 L		2000-5000	06:01 L		2000-5000
143																																				
145										02:01 L		< 2000	03:01 L		< 2000							04:01 L		< 2000	05:01 L		< 2000									
149	01:01 L		5001-9999	01:02 L		5001-9999	01:03 L		5001-9999	02:01 L		2000-5000	03:01 L		2000-5000	03:02 L		5001-9999	03:03 L		2000-5000	04:01 L		2000-5000	05:01 L		2000-5000				05:05 L		5001-9999	06:01 L		5001-9999
157	01:01 L		5001-9999	01:02 L		2000-5000	01:03 L		5001-9999							03:02 L		< 2000	03:03 L		2000-5000	04:01 L		< 2000	05:01 L		< 2000				05:05 L		2000-5000	06:01 L		2000-5000
160	01:01 L		5001-9999	01:02 L		2000-5000	01:03 L		5001-9999	02:01 L		< 2000	03:01 L		< 2000	03:02 L		2000-5000	03:03 L		2000-5000	04:01 L		< 2000	05:01 L		< 2000				05:05 L		2000-5000	06:01 L		2000-5000
162																									05:01 L		< 2000									
165																																				
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216																																				
218				01:02 L		2000-5000																														
222																																				
227																																				
229 NT																																				
230																																				
232	01:01 L		2000-5000	01:02 L		5001-9999	01:03 L		2000-5000	02:01 L		< 2000	03:01 L		< 2000	03:02 L		2000-5000	03:03 L		2000-5000										05:05 L		2000-5000	06:01 L		2000-5000
242																																				
252																																				
267																																				
268																																				
273	01:01 L		5001-9999	01:02 L		5001-9999	01:03 L		5001-9999	02:01 L		2000-5000	03:01 L		2000-5000	03:02 L		2000-5000	03:03 L		2000-5000				05:01 L		< 2000	05:03 L			05:05 L		2000-5000	06:01 L		2000-5000
277																																				
284																																				
292	01:01 L		5001-9999	01:02 L		5001-9999	01:03 L		5001-9999							03:02 L		2000-5000	03:03 L		2000-5000				05:01 L		2000-5000	05:03 L			05:05 L		5001-9999	06:01 L		5001-9999
293																																				
294																																				
302																																				
303	01:01 L		5001-9999	01:02 L		5001-9999	01:03 L		5001-9999	02:01 L		2000-5000	03:01 L		2000-5000	03:02 L		5001-9999	03:03 L		2000-5000	04:01 L		2000-5000	05:01 L		2000-5000	05:03 L		2000-5000	05:05 L		2000-5000	06:01 L		2000-5000
309				01:02 L		< 2000																														
351	01:01 L		5001-9999	01:02 L		5001-9999	01:03 L		5001-9999	02:01 L		2000-5000	03:01 L		2000-5000	03:02 L		2000-5000	03:03 L		2000-5000	04:01 L		< 2000	05:01 L		< 2000	05:03 L		2000-5000	05:05 L		2000-5000	06:01 L		2000-5000
361																																				
392 NT																																				
401 NT																																				
411	01:01 L		5001-9999	01:02 L		5001-9999	01:03 L		5001-9999	02:01 L		2000-5000	03:01 L		2000-5000	03:02 L		5001-9999	03:03 L		2000-5000										05:05 L		2000-5000	06:01 L		2000-5000

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

Number reporting Sepcificity	17	< 2000		20	< 2000		17	< 2000		12	< 2000		17	< 2000		17	< 2000		15	< 2000		16	< 2000		19	< 2000		5	< 2000		17	< 2000		16	< 2000	
Total number of participants	68	1		68	3		68	1		68	5		68	9		68	4		68	1		68	12		68	13		68	0		68	1		68	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	
		3			5			3			7			7			9			13			3			5			2			13			13	
		5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999	
		12			10			12			0			0			3			0			0			0			0			2			2	
		> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000	
		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 II HLA ANTIBODY SPECIFICITY ANALYSIS OF 310/2018

DESPATCHED ON 13 NOVEMBER 2018

DPA1* Antibodies - NOT ASSESSED

	01:03			01:04			01:05			02:01			02:02			03:01			04:01		
Consensus	Not Assessed			Not Assessed			Not Assessed			Not Assessed			Not Assessed			Not Assessed			Not Assessed		
% reported	17.6%			13.2%			10.3%			14.7%			29.4%			23.5%			14.7%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9																					
11																					
12																					
14										02:01	L	2000-5000	02:02	L	2000-5000						
15													02:02	L	< 2000	03:01	L	< 2000			
19 NT																					
20													02:02	L	2000-5000	03:01	L	< 2000			
23																					
24																					
25 NT																					
26																					
28																					
34																					
35	01:03	L	< 2000							02:01	L	< 2000	02:02	L	< 2000	03:01	L	< 2000	04:01	L	< 2000
38																					
39																03:01	L	< 2000			
41																					
42																					
45																					
48																					
51 NT																					
54													02:02	L	2000-5000						
58																					
62																					
100																					
112																					
114													02:02	L	2000-5000						
116																					
117	01:03	L	< 2000	01:04	L	< 2000	01:05	L	< 2000	02:01	L	< 2000	02:02	L	< 2000	03:01	L	< 2000	04:01	L	< 2000
119													02:02	L	< 2000						
120																					
133 NT																					
136	01:03	L	< 2000	01:04	L	< 2000	01:05	L	< 2000	02:01	L	< 2000	02:02	L	2000-5000	03:01	L	< 2000	04:01	L	< 2000
142	01:03	L	2000-5000	01:04	L	< 2000	01:05	L	< 2000	02:01	L	< 2000	02:02	L	< 2000	03:01	L	< 2000	04:01	L	< 2000
143																					
145	01:03	L	< 2000										02:02	L	< 2000						
149	01:03	L	2000-5000	01:04	L	< 2000	01:05	L	< 2000	02:01	L	2000-5000	02:02	L	2000-5000	03:01	L	2000-5000	04:01	L	2000-5000
157				01:04	L	< 2000	01:05	L	< 2000				02:02	L	< 2000	03:01	L	< 2000	04:01	L	< 2000
160	01:03	L	< 2000	01:04	L	< 2000				02:01	L	< 2000	02:02	L	< 2000	03:01	L	< 2000	04:01	L	< 2000
162													02:02	L	< 2000	03:01	L	< 2000			
165																					
169																					
181																					
185																					
194																					
195																					
197																					
206																					
212																					
214																					
216																					
218																					
222																					
227																					
229 NT																					
230																					
232	01:03	L	< 2000										02:02	L	< 2000	03:01	L	< 2000			
242																					
252																					
267																					
268																					
273	01:03	L	2000-5000	01:04	L	< 2000				02:01	L	2000-5000	02:02	L	2000-5000	03:01	L	2000-5000	04:01	L	< 2000
277																					
284													02:02	L	< 2000						
292																					
293	01:03	L	5001-9999													03:01	L	5001-9999			
294																					
302																					
303				01:04	L	< 2000	01:05	L	2000-5000	02:01	L	2000-5000	02:02	L	2000-5000	03:01	L	2000-5000	04:01	L	2000-5000
309																					
351	01:03	L	2000-5000	01:04	L	< 2000	01:05	L	< 2000	02:01	L	2000-5000	02:02	L	2000-5000	03:01	L	2000-5000	04:01	L	< 2000
361																					
392 NT																					
401 NT																					
411	01:03	L	2000-5000																		

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

Number reporting Sepcificity	12	< 2000		9	< 2000		7	< 2000		10	< 2000		20	< 2000		16	< 2000		10	< 2000	
Total number of participants	68	6		68	9		68	6		68	5		68	11		68	11		68	8	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		5			0			1			5			9			4			2	
		5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999			5001-9999	
		1			0			0			0			0			1			0	
		> 10000			> 10000			> 10000			> 10000			> 10000			> 10000			> 10000	
		0			0			0			0			0			0			0	

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

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 310/2018

DESPATCHED ON 13 NOVEMBER 2018

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	Dilution, EDTA	Yes			LS2A01	3000	10341	124								
11	L	EDTA	No	19		LS2A01	1000	7979	82	LSM12	2.5	7445	109				
12	L	EDTA		19	N.B. all beads are positive except DPB1*04:01! This would need some interpretation	LS2A01	500	13563	198								
14	L	Heat inactivation, EDTA	No	19	DPA1*02:02/DPB1*05:01 and DPA1*02:01/DPB1*18:01 heterodimers	LS2A01	1500	11800	29.91								
15	L	EDTA	No		DQB1*04:01	LS2A01	1000	9955	67								
19	L				NT - in a clinical situation would request a further sample. All DR and Cw beads are positive												
20	C, L	EDTA	No		DQB1*02:01 DPB1*05:01, 11:01, 13:01	LS2A01	1000	1570.24	55.92								
23	L																
24	L	EDTA	No	19		LS2A01	1000	14133	91	LS2PRA	1000	16030	341				
25	L	EDTA	Yes	19	NT - in a clinical situation where high background precludes accurate specific analysis a repeat sample would be requested in the first instance. Recipient/donor crossmatching would also be used to asses risk of a transplant proceeding												
26	L	No treatment	No	19		LS2A01	1110	12784	39								
28	L	No treatment		19		LS2A01	500	9370	132								
34	L	EDTA	No	19	If this sample was from a patient, new serum would be requested and HLA typing performed to confirm specificities and cut-off. We have reported ALL specificities detected.	LS2A01	1003	11349	46								
35	L	EDTA	No	19		LS2A01	1000	9657	89								
38	L	EDTA	No	19		LS2A01	1000	12332	34	LSAII	1000	17066	108				
39	L	EDTA	No	19	DQB1*04:01 Possible heterodimers: DQA1*02:01/DQB1*04:02 DQA1*03:01, DQB1*03:02 DPA1*02:02/DPB1*05:01 DPA1*01:03/DPB1*28:01 DPA1*02:02/DPB1*13:01 DPA1*01:03/DPB1*06:01 DPA1*04:01/DPB1*28:01	LS2A01		1257	11939	43							
41	L	EDTA	No	19		LS2A01	2000	12980	35								
42	L	EDTA		19	DQB1*02:01	LS2A01	500	11971	54								
45	L	Adsorption beads, EDTA	No			LS2A01	1500	13000	40								
48	L	Heat inactivation, Adsorption beads	No	19	DQB1*05:01, 06:01, 06:03, 06:09 DRB5*01:01												
51					NT - high levels of non-specific binding												
54	L	EDTA	No	19		LS2A01	955	14636	87								
58	L	EDTA	No	18	These results cannot be used clinically due to pan-reactivity - donor HLA type is required to provide relevant analysis	LS2A01	1000	14935	66	LSM12	3.0	13553	203				
62	L	EDTA	No	19		LS2A01	1500	13332	70	LSAII	MFI/LRA	15750	199				
100	L	No treatment	Yes			LSAII	750	12053	116								
112	L	Adsorption beads	No		DRB1*04:02, 04:05	LSAII	500	16669	166								
114	L	EDTA	No		DPB1*04:02	LS2A01	1000	12437	37								
116	L	EDTA	No	19	In a clinical situation a new sample would be requested and patient would have been HLA typed. This result is not clinically valid	LS2A01	1000	11460	81	LSM12		13083	176				
117	L	No treatment	No	19		LS2A01	500	10089	25								
119	L	EDTA	No			LS2A01	1000	9351	37	LSM12	1.5	9863	52				
120	L	EDTA	No		DQB1*02:01	LS2A01	500	13393	23								
133	L	Heat inactivation, EDTA, Adsorption beads	Yes	3005428	Even though we detected a positive reaction directed to DRB1*11, 04, 13, DQB1*05, 06 we do not want to report the results for this sample. We could not eliminate a technical error for this sample. Screening and ID results for Class II was 100% positive but even the MFI values were >2000 the results were reported as negative with the LSI kit	LSAII		18756	347								
136	L		No		This serum has too much HLA specificities (including in the PRA luminex kit). In this situation the lab will ask a new sample	LS2A01	1000	1433	72	LS2PRA	1000	9917	474				
142	L	EDTA	No			LS2A01	1000	12934	37								
143	L	No treatment	No			LS2A01	1000	17836	114								
145	L	No treatment	No	16		LS2A01	1000	8875	43								
149	L	No treatment	No		DQB1*02:01	LS2A01	1000	11134	84								
157	L	EDTA	No			LS2A01	1000	12125	29.22								
160	L	Adsorption beads	No	17	One Lambda Single Antigen beads Class II do not discriminate between DPB1*04:01 and 04:02	LS2A01	1000	6455	71								
162	L	EDTA	No			LS2A01	1000	12737	18.9	LSM12	3	14716	50.4				
165	L	No treatment	No	17		LS2A01	57	8858	41								
169	L	No treatment	No			LS2A01	1000	11362	32								
181	L	EDTA	No	19		LS2A01	500	9858	38								
185	L	EDTA	Yes		High background (MFI not determined) DR11, DQ5, 6. Others aspecific reactions? DR17, 18, 13, 14. New sample and HLA typing required	LSAII	4	18543	194	LM2	2	21305	807	LMX	1	20822	176
194	L	EDTA	No	18		LS2A01	1000	13162	44								
195	L	No treatment	No			LS2A01	1000	9635	40								
197	L	No treatment	No														
206	L	EDTA	Yes			LS2A01	1000	12207	55								
212	L	No treatment				LM2		20396	230								
214	L				DRB3*03:01	LSAII	750	13907	155								
216	L	No treatment		3006369		LM2	2500	17240	525								
218	L	Adsorption beads	Yes		DQB1*05:02, 06:02, 06:03, 06:04 DRB1*11:01, 11:03, 11:04 DRB3*01:1, 02:02, 03:01 DQA1*01:02	LSAII	750	18263	198								
222	L	No treatment	No			LM2	800	18698	698								
227	L	Dilution, EDTA, Adsorption beads	Yes														
229																	
230	L	No treatment	No	3006531		LSAII	500	1000	500								
232	L	No treatment	No	19	DRB3*01:01, 03:01, 04:02 DRB4*01:01, 01:03 DRB5*01:01	LS2A01	1200	8200	43								
242	L	Adsorption beads				LSAII		16718	157								
252	L	No treatment				LM2		19365	968								
267	L	EDTA	Yes			LSAII		16642	174								
268	L	EDTA	No	19	Positive pan-HLA-DR profile. Uninterpretable for locus HLA-DR	LS2A01	2000	19760	37	LS2PRA	2000	11935	294				
273	L	No treatment	No			LS2A01	1500	13184	61								
277	L	EDTA	No	19		LS2A01	500	9695	58								
284	L	EDTA	No			LS2A01	1000	11544	51	LSM12	5	12470	129				
292	L	Adsorption beads, EDTA		19		LS2A01		10430	61	LSM12	4.5	12774	142				
293	L	No treatment	No			LS2PRA	500	8841	35.85								
294	L	Adsorption beads	Yes			LSAII		15621									
302	L																
303	L	Heat inactivation, EDTA	No	19		LS2A01	1000	9973	97								
309	L	No treatment	Yes	lot specific		LSAII	750	18000	150								
351	L	EDTA	No	19		LS2A01	1500	11801	61								
361	L	No treatment	No	3006531	DQB1*06:02, 06:04 DRB1*13:03, 14:01	LSAII	500	15850	156								
392																	
401																	
411	L	No treatment	No	20	DRB1*01:03, 03:01, 03:02, 07:01, 08:01, 10:01 DRB3*03:01	LS2A01	X6	8614.3	100.05	LSM12	2.2	10228	104.07				

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