

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

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 3 01/2016

DESPATCHED ON 26TH JANUARY 2016

HLA specificity for assessment		DR17			DR18			DR4			DR7			DR8			DQ7			DQ8			DQ9			
Consensus % reported	DR17 Absent 1.3%	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI		
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209																										
218																										
227																										
232																										
235	DR17	L		> 5000	DR18	L		> 5000				DR8	L		> 5000											
238																										
245																										
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315																										
323																										

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

No. Reporting Spec	1	< 2000	1	< 2000	73	< 2000	1	< 2000	1	< 2000	80	< 2000	79	< 2000	79	< 2000
Total Participants	80	0	80	0	80	52	80	1	80	0	80	0	80	0	80	0
		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
		0		0		0		0		0		0		0		0
		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000
		1		1		1		0		79		78		78		78

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

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 3 01/2016

DESPATCHED ON 26TH JANUARY 2016

Techniques used IgG	Sample Treatment	High Background	Allele Specific Antibodies IgG	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative
Lab no.																			
9 L	None	No		LS2A01	500	9000	273												
11 L		No		LS2A01	500	76	6261	LSM12	2.5	176	7546								
12 L	EDTA	No	DPB1*14:01	LS2A01	500	12279	329	LSM12	3	17010	587								
14 L	Heat Inactivation, EDTA	No		LS2A01	1500	12892	139												
15 L	EDTA	No		LS2A01	1000	12790.03	15.23	LS2PRA	1000	14749.84	254.85								
19 L	EDTA wash buffer	No		LS2A01	1000	14931	115												
20 C, L	EDTA	No		LS2A01	500	10515	117												
23 L	None	No		LS2A01	1000	10819	63												
24 L	EDTA, Adsorption beads	Yes		LS2A01	1000	12973	50	LS2PRA	1000	17069	2442	LSAII	default	19623	107	LMX			18768
25 L	EDTA	No		LS2A01	1000	17457	955	LSAII	1500	19247	108								
26 L	EDTA	No		LS2A01	1000	10330	132												
28 L	None	No		LS2A01	500	10836	180.87												
34 L	EDTA	No		LS2A01	660	12450	90												
35 L	None	No		LS2A01	1000	13524	242												
38 L	EDTA	No		LS2A01	1840	11382	116	LSAII	1541	17274	108								
39 L	EDTA wash buffer	No		LS2A01	2000	13913	69												
41 L	None	No	DRB1*04:04	LS2A01	1000	12138	91												
42 L	EDTA	No		LS2A01	1000	10160	62												
45 L	EDTA, Adsorption beads	No		LS2A01	1500	13180	132												
48 L	Heat Inactivation	No																	
51 L				LS2A01	800	11073	169												
51b L	Adsorption beads	Yes		LS2A01	750	14177	118	LSM12	350	12939	120								
58 L	EDTA	No		LS2A01	1000	12135	206	LSM12	3	11820	158	LSAII	12999	113	LMX				16683
62 L	None	No		LS2A01	1000	14839	128												
100 L	None	No		LSAII	1072	15927	107												
101 L	None	No		LS2A01	1000	10615	130												
112 L	None	No		LSAII	1000	20316	230												
114 C, L	EDTA	No	DQA1*03:01, 03:02, 05:03, 05:05, 06:01	LS2A01	1000	16204	44												
116 C, L	None	No		LS2A01	1000	8227	71	LSM12		12356	306								
117 EL	None	No		LS2A01	500	11726	148												
119 L	EDTA	Yes		LS2A01	1000	7147	44	LSM12	1.5	12737	62								
120 L	EDTA	No		LS2A01	500	11251	87												
133 L	None	No	DRB1*04:01, 04:02, 04:03, 04:05 DOB1*03:01, 03:02, 03:03 DQA1*03:01, 03:02, 05:03, 05:05, 06:01	LSAII	16536	74													
136 L		Yes		LS2A01	1000	11485	90												
139 L	None	No		LS2A01	1000	11990	103	LSM12	6	12203	180								
142 L	EDTA	No		LS2A01	1000	9329	106												
143 L	None	No		LS2A01	1000	12306	104												
145 L	None	No		LS2A01	1000	13273	245	LSM12	1.5/1.2	7991	49								
147 L		No		LS2A01	1500	9784	75	LSM12	5	9326	29								
149 L																			
157 L	EDTA	No		LS2A01	1000	11400	61.5												
159 L	None	No		LS2A01	1500	9928	182												
160 L	Adsorption beads	No		LS2A01	1000	10700	72												
162 L	EDTA	No	MICA = positive	LS2A01	1000	13100	75	LSM12	3	19600	468								
163 L	EDTA	No		LS2A01	1500	15037	234												
164 L	None	No		LS2A01	1500	17310	144												
165 F, E, L	Dilution	No		LS2A01	110	15049	136												
169 L	Dilution	No	DQA1*03:02, 05:03, 05:05, 06:01																
181 L	None	No		LS2A01	500	12230	97												
185 L	EDTA	No		LSAII	18820	110		LM2		22607	38	LSA I&II	1000	19256	95	LMX			
186 L	None	No		LSM12	1000	13547	333												
190 L	EDTA	No		LS2A01	1000	10500	111												
193 L	None	No		LS2A01	1000	10624	76												
194 L	DTT	No		LS2A01															
195 L	None	No		LS2A01	1400	15300	105												
197 L	None	No																	
204 L	EDTA	No		LS2A01	1000	12133	93												
206 L	EDTA	No		LS2A01	1000	10925	80												
209 C, L	EDTA	No		LS2A01	500	3000	500												
218 L	Heat Inactivation	No	DRB1*04:01, 04:02, 04:03, 04:05 DOB1*03:01, 03:02, 03:03	LSAII	14937	95													
227 L	Dilution, EDTA	No		LS2A01															
232 L	None	No	DQA1*03:01, 03:02, 05:03, 05:05, 06:01			9191	37												
235 L	DTT, Adsorption beads	Yes		LS2PRA	1000	14540	396	LSM12	1000	8096	348								
238 L	None	No		LSAII	500	19064													
245 L	EDTA	No		LS2A01	1000/500	13571	154												
262 L	None	No		LSAII	AD BCR >=5	17858	116												
267 L	None	No		LSAII	BCM >700	19725	115	LMX											
268 C, L	None	No		LSAII	1500	16670	113	LM2	1000	20574	78/99/123								
273 L	None	No		LS2A01	1717	12016	195												
277 L	EDTA	No		LS2A01	500	8288	71												
284 L	EDTA	No		LS2A01	1000	10006	64	LSM12	3	10258	87								
292 L	None	No	DQA1*03:02, 05:03, 05:05, 06:01	LS2A01	500	13379	81	LSM12	2.5	12155	78								
293 L	None	No		LS2A01	500	10429	18	LS2PRA	500	10429	18								
294 L	None	No		LSAII		16352													
297 L	EDTA	No		LS2A01	1500	9795	156												
303 L	EDTA	No		LS2A01	1000	8838	90												
309 L	None	No		LSAII	900	18000	109												
311 L	EDTA	No		LS2A01	1500	12552	139												
315 L	EDTA	No		LS2A01	2000	10475	779												
323 L	EDTA	No		LS2A01	1000	13919	49												

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

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

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 3 022016

DESPATCHED ON 26TH JANUARY 2016

HLA specificity for assessment		DR51 Absent 5.0%			DR53 Absent 3.8%			DQ5 Not Assessed 8.8%			DQ6 Not Assessed 6.3%			DQ2 Not Assessed 33.8%			DQ7 Not Assessed 57.5%			DQ8 Not Assessed 68.8%			DQ9 Not Assessed 63.8%			DQ4 Not Assessed 70.0%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	
9																												
11																												
12	DR51	L	< 2000	DR53	L	< 2000	DQ5	L	< 2000	DQ6	L	< 2000	DQ2	L	2000-5000	DQ7	L	2000-5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	> 5000	
14																												
15																												
19																												
23	DR51	L	< 2000				DQ5	L	< 2000	DQ6	L	< 2000	DQ2	L	< 2000	DQ7	L	2000-5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	> 5000	
24																												
25																												
26																												
28	DR51	L					DQ5	L					DQ2	L														
34																												
35																												
38													DQ2	L	< 2000	DQ7	L	2000-5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	> 5000	
39																												
41																												
42																												
45																												
48													DQ2	L	2000-5000	DQ7	L	2000-5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	> 5000	
51																												
54													DQ2	L	< 2000	DQ7	L	2000-5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	> 5000	
58																												
62							DQ5	L	< 2000				DQ2	L	< 2000	DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	> 5000	
100																												
101																												
112																												
114	DR51	L	< 2000	DR53	L	< 2000	DQ5	L	< 2000	DQ6	L	< 2000	DQ2	L	< 2000	DQ7	L	2000-5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	> 5000	
116																												
117																												
119																												
120																												
133																												
136										DQ6	L	< 2000																
139																												
142													DQ2	L	< 2000	DQ7	L	2000-5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	> 5000	
143																												
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163																												
164																												
165																												
169										DQ6	F		DQ2	FL	2000-5000	DQ7	FL	2000-5000	DQ8	FL	> 5000	DQ9	FL	> 5000	DQ4	FL	> 5000	
181																												
185																												
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311																												
315																												
323																												

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

4	< 2000	3	< 2000	7	< 2000	5	< 2000	27	< 2000	46	< 2000	55	< 2000	51	< 2000	56	< 2000
80	3	80	3	80	6	80	4	80	17	80	8	80	0	80	2	80	
	2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
	0		0		0		0		8		29		16		13		15
	> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000
	0		0		0		0		1		6		35		35		38

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

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 3/20/2016
DESPATCHED ON 28TH JANUARY 2016

Lab no.	Technique used	Sample Treatment	High Background	AlkAb Specific Antibodies IgG	Luminex kit (k1)	Cut-off value	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (k2)	Cut-off value	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (k3)	Cut-off value	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (k4)	Cut-off value	Control bead MFI Positive	Control bead MFI Negative			
																					IgG	IgG	IgG
9	L	Dilution	Yes	DQA1*03:01, 03:02, 03:03	LS2A01	500	7780	465															
11	L	EDTA	No	DQA1*03:01, 03:02, 03:03	LS2A01	500	195	6168															
12	L	EDTA	No	DRB1*11:01, 13:01 DRB1*09:02, 06:02 DQA1*03 has been interpreted as causing positivity seen against DQB1*02:01, 03:01, 03:02, 03:03, 04:01 DQA1*02:01 has been interpreted as causing positivity seen against DQB1*03:01, 03:03, 04:01, 04:02 DQB1*01:01, 01:01, 01:01, 01:01, 01:01, 01:01	LS2A01	500	13978	416	LSM12	2.5	258	6612											
14	L	Heat Inactivation, EDTA	No	DRB1*11, 13 DRB1*09:02	LS2A01	1500	13019	83															
15	L	EDTA	No	DRB1*11, 13 DQB1*04:01, DQA1*03:01, 03:02, 03:03	LS2A01	1000	10562	79															
19	C, L	EDTA wash buffer	No	DRB1*11, 13 DQB1*04:01, DQA1*03:01, 03:02	LS2A01	1000	12369	43															
20	L	EDTA	No	DRB1*11:01, 13:01 DQB1*04:01, 04:02, 05:02, 06:02, DQA1*01:01, 01:02, 02:01, 03:01, 03:02, 03:03, 04:01	LS2A01	1000	13213	200															
23	L	None	No	DQA1*03:01, 03:02, 03:03 DP1, 13	LS2A01	1000	11086	825															
24	L	EDTA, Adsorption beads	Yes	DRB1*09:02 DQB1*04:01, DQA1*03:01, 03:02, 03:03	LS2A01	1000	12145	47	LSPRRA	1000	16512	1118	LSAI	default	20292	273	LMX				21826		
25	L	EDTA	No	DRB1*11, 13 DQA1*03:01, 03:02, 03:03	LS2A01	1000	11216	303															
26	L	None	No	DQB1*04:01, DQA1*02:01, 03:01, 03:02	LS2A01	1000	9265	170															
28	L	None	No	DRB1*11:01, 13:01 DRB1*01:01	LS2A01	500	12371	652															
34	L	EDTA	No	DRB1*11, 13 DQB1*04:01, DQA1*03:01, 03:02, 03:03	LS2A01	1000	12626	66															
35	L	None	No	DQA1*03:01, 03:02, 03:03	LS2A01	1000	13224	107															
36	L	EDTA	Yes	DQA1*03 DRB1*11:01, 13:01	LS2A01	1000	11918	543	LSAI	807	18438	174											
39	L	EDTA wash buffer	No	DRB1*13:01 DQB1*04:01, DQA1*03:01, 03:02, 03:03	LS2A01	1200	14024	32															
41	L	None	No	Positive also detected against DPA/DPB heterodimers: DPA1*02:01, DPB1*13:01, DPA1*02:02, DPB1*11:01, DPA1*02:02, DPB1*13:01 DQA1*03	LS2A01	1000	10772	445															
42	L	EDTA	No	DQA1*03 DPA1*02:01, DPB1*13:01, DPA1*02:02, DPB1*11:01, DPA1*02:02, DPB1*13:01	LS2A01	1000	10329	419															
45	L	EDTA, Adsorption beads	No	DRB1*01:01, 13:01 DQB1*04:01, DQA1*03	LS2A01	1500	12074	40															
48	L	Heat Inactivation	No	DRB1*11, 13 DQB1*04:01	LS2A01	1100	13605	177															
51	L	None	No	DQA1*03:01, 03:02, 03:03 DQA1*03:01, 03:02, 03:03	LS2A01	1000	14052	35															
54	L	Adsorption beads	Yes	DRB1*11, 13 DQA1*03, 03	LS2A01	850	12181	405	LSM12	350	12181	405											
58	L	EDTA	No	DRB1*01, 11, 13 DQA1*03	LSM12	3	11266	451	LSAI	1000	13260	160	LMX										
62	L	None	No	DRB1*11, 13 DQA1*03	LS2A01	1000	14619	274															
100	L	None	No	DRB1*11, 13 Not listed corresponding DQB Abs (DQA, DQ7, DQ8, DQ9) associated with DQA Abs as we can determine these DQ Abs as negative	LSAI	470	14602	179															
101	L	None	No	DQA1*03:01, 03:02 DRB1*09:02	LS2A01	1000	10667	41															
112	L	None	No	DRB1*11, 13 DRB1*18:02	LSAI	500	17793	240															
114	C, L	EDTA	No	DQA1*03:01 DQB1*09:02, DQA1*02:01, 03:01, 03:02, 03:03	LS2A01	1000	16563	359															
116	C, L	Adsorption beads	Yes	DP1, 6, 11, 13 DQA1*03	LS2A01	1000	11752	32	LSM12		14310	544											
117	EL	None	No	DQA1*03:01, 03:02, 03:03 DP1, 13, DPA1*02:02	LS2A01	500	11157	294															
119	L	EDTA, Adsorption beads	Yes	DRB1*09:02 DP1, 13, DPA1*02:02	LS2A01	1000			LSM12	1.5													
120	L	EDTA	No	DQB1*04:01, DQA1*03:01, 03:02, 03:03 DQB1*09:02, 06:02	LS2A01	500	12258	386															
133	L	None	No	DQA1*03:01 DQB1*09:02, 06:02	LSAI	1000	15689	811															
136	L	None	No	DQA1*03:01, 03:02, 03:03 DP1, 13	LS2A01	1000	12915	31															
139	L	None	No	DQA1*03, 03 DRB1*11, 13	LS2A01	1000	10475	376	LSM12	6	10369	59											
142	L	EDTA	No	DP1, 13	LS2A01	1000	10364	403															
143	L	None	No	DQB1*04:01, DQA1*03:03	LS2A01	1000	12721	338															
145	L	None	No	DQB1*03:01, 03:02, 03:03	LS2A01	1000	12940	463	LSM12	1,5/1,2	7991	40											
147	L	None	No	DQA1*03:01, 03:02, 03:03	LS2A01	1000	9208	65	LSM12	5	10593	92											
149	L	EDTA	No	DQA1*03:01, 03:02, 03:03	LS2A01	1000	12024	242															
157	L	None	No	DP1, 13 DQA1*03:01, 03:02, 03:03	LS2A01	1500	10794	323															
159	L	None	No	DP1, 13 DQA1*03:01, 03:02, 03:03	LS2A01	1000	11330	47															
160	L	Adsorption beads	No	DP1, 13	LS2A01	1000	14591	293	LSM12	3	11824	428											
162	L	EDTA	No	DQB1*04:01, DQA1*03:01, 03:02, 03:03 MCA - negative	LS2A01	1000	16350	338															
163	L	EDTA	No	DRB1*09:02 DQA1*03	LS2A01	1500	14537	55															
164	F, E, L	Dilution	No	DRB1*11, 13 DP1, 11, 13	LS2A01	16	14665	317															
165	L	EDTA	No	DP1, 11, 13	LS2A01	1000	14809	259															
169	L	None	No	DQA1*03:01, 03:02, 03:03	LS2A01	500	10557	267															
181	L	EDTA	No	DQA1*03:01, 03:02, 03:03 DP1, 13	LSAI	20138	172	LM2			21844	110	LMX										
185	L	EDTA	No	HLA typing of patient required to interpret HLA-DR1, 16, 12; these could be false positive results in the Immucor LSA test and LM2 Class II is not reactive for these antigens	LSAI																		
186	L	None	No	DQA1*03:01, 03:02, 03:03	LSM12	1000	11649	2118	LSA 188	1000	19446	165											
190	L	EDTA	No	DQA1*03 DRB1*11, 13	LS2A01	1000	19000	575															
193	L	None	No	DQA1*03:01, 03:02, 03:03 DRB1*11, 13	LS2A01	1000	12086	51															
194	L	DTT	No	DQA1*03:01, 03:02, 03:03 DRB1*11:01, 13:01	LS2A01																		
195	L	Adsorption beads	No	DQA1*03:01, 03:02, 03:03 DRB1*11, 13	LS2A01	1400	12400	38															
197	L	None	No	DQA1*03:01, 03:02, 03:03 DRB1*09:02	LS2A01	1000	12882	306															
204	L	EDTA	No	DQA1*03 DP1, 13	LS2A01	1000	9186	161															
206	L	EDTA	No	DQA1*03:01, 03:02, 03:03	LS2A01	1000	9000	500															
209	C, L	EDTA	No	DQA1*03:01, 03:02, 03:03	LSAI	500	17174	427															
218	L	Heat Inactivation	No	DRB1*09:02, 06:02, 04:02, 04:03, 04:06, 16:02	LSAI																		
227	L	Dilution, EDTA	No	DQB1*04:01, DQA1*03:01, 03:02, 03:03 DRB1*11, 13	LS2A01	1000	19428	412															
232	L	None	No	DQA1*02:01, 03:01, 03:02, 03:03 DP1, 13, DPA1*02:01, 02:02	LS2A01																		
235	L	DTT, Adsorption beads	Yes	DQA1*03 (without DQB)	LSPRRA	1000	13445	348	LSM12	1000	11154	306											
238	L	None	No	DQA1*03:01, 03:02, 03:03	LSAI	500	15767	210															

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Lab no.	Techniques used IgG	Sample Treatment IgG	High Background	Allele Specific Antibodies IgG	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative
9	L	Dilution	No	DP18, 28	LS2A01	400	10110	52												
11	L		No	DRB3*01:01, 03:01	LS2A01	500	24	5664	LSM12	2.5	275	2828								
12	L	EDTA	No	DQB1*05:01	LS2A01	500	11384	41	LSM12	3	12279	93								
14	L	Heat Inactivation, EDTA	No	DRB1*18:01	LS2A01	1500	13349	43												
15	L	EDTA	No	DRB3*01:01, 03:01	LS2A01	1000	12731	56	LS2PRA	1000	15995	110								
19	L	EDTA wash buffer	No	DRB3*01:01, 03:01	LS2A01	1000	13836	41												
20	C, L		No	DRB3*01:01, 03:01	LS2A01	500	5419	19												
23	L	None	No	DRB3*01:01, 03:01	LS2A01	1000	9480	17												
24	L	EDTA	No	DRB3*01:01, 03:01	LS2A01	1000	13391	20	LS2PRA	1000	14496	45	LSAII	default	19414	231	LMX			21323
25	L	EDTA	No	DRB3*01:01, 03:01	LS2A01	1000	18729	100	LSAII	1500	19741	159								
26	L		No	DQA1*05:01	LS2A01	1000	9166	36												
28	L	None	No	DRB3*01:01, 03:01	LS2A01	500	10906	27												
34	L	EDTA	No	DQB1*05:01	LS2A01	903	12739	84												
35	L	None	No	DRB3*01:01, 03:01	LS2A01	1000	12502	46												
38	L	EDTA	No	DRB3*01, 03	LS2A01	1181	10088	37	LSAII	476	18621	157								
39	L	EDTA wash buffer	No	DRB3*01:01, 03:01	LS2A01	1700	13140	27												
41	L	None	No		LS2A01		9269	37												
42	L	EDTA	No		LS2A01	1000	10037	52												
45	L	EDTA, Adsorption beads	No		LS2A01	1500	12531	41												
48	L	Heat Inactivation	No																	
51	L		No	DRB3*01:01, 03:01	LS2A01	800	10929	52												
54	L	None	No	DRB1*18:01	LS2A01	750	9811	32	LSM12	350	10655	17								
58	L	EDTA	No	DRB3*01:01, 03:01	LS2A01	3	9799	15	LSAII	1000	11683	23	LMX							17132
62	L	None	No		LS2A01	1000	11483	13.9												
100	L	None	No		LSAII	393	15355	194												
101	L		No		LS2A01	1000	8767	32												
112	L	None	No	DRB3*01:01, 03:01	LSAII	500	18617	158												
114	L	EDTA	No	DRB1*03:01	LS2A01	1000	13202	13												
116	C, L	None	No	DQA1*05:01	LS2A01	1000	9286	22	LSM12		9347	85								
117	L	None	No	DRB3*01:01, 03:01	LS2A01	500	11225	16												
119	L	EDTA	No	DRB3*01:01, 03:01	LS2A01	1000	7430	14	LSM12	1.5	11800	61								
120	L	EDTA	No	DRB3*01:01, 03:01	LS2A01	500	8943	23												
133	L	None	No	DRB1*07:01, 09:01, 12:01	LSAII		13623	165												
136	L		No	DRB3*03:01	LS2A01	1000	11761	20												
139	L	None	No	DQB1*02:01	LS2A01	1000	9624	21	LSM12	6	10369	29								
142	L	EDTA	No	DQA1*05:01	LS2A01	1000	9036	22												
143	L	None	No		LS2A01	1000	11113	32												
145	L	None	No	DRB3*01:01, 03:01	LS2A01	1000	12991	66	LSM12	1.5/1.2	7991	49								
147	L	None	No	DRB3*01:01, 03:01	LS2A01	1500	10252	27	LSM12	5	9366	29								
157	L	EDTA	No	DR3*01:01, 03:01	LS2A01	1000	9511	19												
159	L	None	No	DR3*01:01, 03:01	LS2A01	1500	9830	42												
160	L	Adsorption beads	No		LS2A01	1000	9660	17												
162	L	EDTA	No	DR3*01:01, 03:01	LS2A01	1000	11294	11	LSM12	3	8400	29								
163	L	EDTA	No	MICA = negative	LS2A01	1500	14393	22												
164	L	None	No	DR3*01:01, 03:01	LS2A01	1500	14210	36												
165	F, E, L	Dilution	No	DRB1*18	LS2A01	231	9933	43												
169	L		No		LS2A01	1000	11400	15												
181	L	None	No		LS2A01	500	9756	44												
185	L	EDTA	No	DQA1*02	LSAII	1000	19661	163	LM2		20269	27	LMX							
186	L	None	No		LSM12	1000	11476	596	LSA I&II	1000	18217	132								
190	L	EDTA	No		LS2A01	1000	9900	19												
193	L	None	No		LS2A01	1000	9421	13												
194	L	DTT	No		LS2A01															
195	L	None	No		LS2A01	1400	12700	20												
197	L	None	No		LS2A01															
204	L	EDTA	No	DRB3*01:01, 03:03	LS2A01	1000	10751	10												
206	L	EDTA	No		LS2A01	1000	9593	21												
209	C, L	EDTA	No	DRB3*01:01, 03:03	LS2A01	500	3000	500												
218	L	Heat Inactivation	No	DRB1*07:01, 09:01	LSAII		14903	134												
227	L	Dilution, EDTA	No	DRB3*01:01, 03:01	LS2A01															
232	L	None	No	DQA1*05:01	LS2A01		8139	11												
235	L	DTT	No		LS2PRA	1000	11123	26	LSM12	1000	9236	118								
238	L	None	No		LSAII	500	15578													
245	L	EDTA	No		LS2A01	1000/500	10634	31												
262	L	None	No		LSAII	AD BCR >5	17759	177												
267	L	None	No		LSAII	BCM >700	18464	237	LMX											
268	C, L	None	No		LSAII	1500	16626	159	LM2	1000	20924	85/110/195								
273	L	None	No	DRB3*01:01, 03:01	LS2A01	2037	11373	40												
277	L	EDTA	No	DQA1*03:01, 04:01, 05:01	LS2A01	500	9036	29												
284	L	EDTA	No	DQA1*01:01, 02:01	LS2A01															
292	L		No	DRB3*01:01, 03:01	LS2A01	500	12494	28	LSM12	2.5	5407	41								
293	L	None	No	DQA1*05:01	LS2A01	500	9359	5	LS2PRA	500	9359	5								
294	L	None	No		LSAII		15660													
297	L	EDTA	No	DRB3*01:01, 03:01	LS2A01	1500	4104	7												
303	L	EDTA	No	DP18, 28	LS2A01	1000	8976	29												
309	L	None	No		LSAII	550	16830	223												
311	L	EDTA	No	DRB3*01:01, 03:01	LS2A01	1500	10284	14												
315	L	EDTA	No		LS2A01		2000	39												
323	L	EDTA	No		LS2A01	1000	11056	14												

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

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HLA specificity for assessment		DR16		DR17		DR18		DR4		DR11		DR12		DR13	
Consensus % reported	Not Assessed 60.0%	Present 80.0%		Not Assessed 68.8%		Present 56.3%		Present 92.5%		Not Assessed 60.0%		Present 95.0%			
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
11	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
12	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
14	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
15															
19															
20	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
23	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
24	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
25															
26															
28	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
34															
35															
38	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
39	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
41															
42	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
45	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
48	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
51	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
54	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
58	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
62	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
100															
101	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
112															
114	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
116	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
117	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
119	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
120	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
133															
136	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
139															
142	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
143															
145	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
147															
149															
157	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
159	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
160															
162	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
163															
164	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
165															
169															
181	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
185															
186															
190	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
193	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
194	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
195	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
197															
204	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
206	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
209	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
218															
227															
232	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
235															
238															
245	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
262															
267															
268															
273	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
277	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
284	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
292	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
293	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
294															
297	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
303	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
309	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
311	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000
315															
323	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000

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

No. Reporting Spec	48	< 2000	64	< 2000	55	< 2000	45	< 2000	74	< 2000	48	< 2000	76	< 2000
Total Participants	80	40	80	53	80	39	80	44	80	44	80	45	80	42
		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
		8		1		4		28		3		31		31
		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000
		0		0		0		0		0		0		0

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HLA specificity for assessment																												
DR14		DR1403			DR1404			DR8			DR51			DR52			DR53			DQ8		DQ4						
Consensus % reported	Present 96.3%	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	DR14	L	< 2000																									
11	DR14	L	2000-5000																									
12	DR14	L	< 2000																									
14	DR14	L	2000-5000																									
15	DR14	L	< 2000																									
19	DR14	L	2000-5000																									
20	DR14	L	2000-5000																									
23	DR14	L	2000-5000																									
24	DR14	L	2000-5000																									
25	DR14	L	2000-5000																									
26	DR14	L	< 2000																									
28	DR14	L	< 2000																									
34	DR14	L	2000-5000																									
35	DR14	L	2000-5000																									
38	DR14	L	2000-5000																									
39	DR14	L	2000-5000																									
41	DR14	L	2000-5000																									
42	DR14	L	< 2000																									
45	DR14	L	2000-5000																									
48	DR14	L	2000-5000																									
51	DR14	L	2000-5000																									
54	DR14	L	2000-5000																									
58	DR14	L	< 2000																									
62	DR14	L	2000-5000																									
100	DR14	L	< 2000																									
101	DR14	L	< 2000																									
112	DR14	L	< 2000																									
114	DR14	L	2000-5000																									
116	DR14	L	< 2000																									
117	DR14	L	< 2000																									
119	DR14	L	< 2000,2000-5000																									
120	DR14	L	2000-5000																									
133	DR14	L	< 2000																									
136	DR14	L	2000-5000																									
139	DR14	L	< 2000																									
142	DR14	L	2000-5000																									
143	DR14	L	2000-5000																									
145	DR14	L	< 2000,2000-5000																									
147	DR14	L	< 2000																									
149	DR14	L	< 2000																									
157	DR14	L	2000-5000																									
158	DR14	L	< 2000																									
160	DR14	L	< 2000																									
162	DR14	L	2000-5000																									
163	DR14	L	2000-5000																									
164	DR14	L	2000-5000																									
165	DR14	FL	2000-5000																									
169	DR14	L	2000-5000																									
181	DR14	L	< 2000																									
185	DR14	L	< 2000																									
186	DR14	L	< 2000																									
190	DR14	L	2000-5000																									
193	DR14	L	2000-5000																									
194	DR14	L	< 2000																									
195	DR14	L	2000-5000																									
197	DR14	L	< 2000																									
204	DR14	L	2000-5000																									
206	DR14	L	< 2000																									
209	DR14	L	< 2000																									
218	DR14	L	< 2000																									
227	DR14	L	2000-5000																									
232	DR14	L	< 2000																									
235	DR14	L	< 2000																									
238	DR14	L	< 2000																									
245	DR14	L	2000-5000																									
262	DR14	L	< 2000																									
267	DR14	L	< 2000																									
268	DR14	L	< 2000																									
273	DR14	L	2000-5000																									
277	DR14	L	2000-5000																									
284	DR14	L	< 2000																									
292	DR14	L	2000-5000																									
293	DR14	L	< 2000																									
294	DR14	L	< 2000																									
297	DR14	L	2000-5000																									
303	DR14	L	2000-5000																									
309	DR14	L	< 2000																									
311	DR14	L	2000-5000																									
315	DR14	L	< 2000																									
323	DR14	L	< 2000																									

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

77 < 2000		80 35 2000-5000		80 0 2000-5000		39 0 > 5000		0		2 < 2000		80 0 > 5000		0		9 < 2000		80 8 2000-5000		79 < 2000		80 37 2000-5000		80 0 2000-5000		1 < 2000		33 < 2000		1 < 2000		1 < 2000		2 < 2000	
77	< 2000	80	35	80	0	39	0	0		2	< 2000	80	0	0		9	< 2000	8																	

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Techniques used IgG	Sample Treatment IgG	High Background	Allele Specific Antibodies IgG	Luminex kit (lot)	Cut-off value	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot)	Cut-off value	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot)	Cut-off value	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot)	Cut-off value	Control bead MFI Positive	Control bead MFI Negative
9	L	None	No	LS2A01	400	8050	59												
11	L	EDTA	No	LS2A01	500	4075	27	LSM12	2.5	73	2953								
12	L	EDTA	No	LS2A01	500	9450	36	LSM12	3	9120	61								
14	L	Heat Inactivation, EDTA	No	LS2A01	1500	10668	36												
15	L	EDTA	No	LS2A01	1000	10332	18												
19	L	EDTA wash buffer	No	LS2A01	1000	11894	20												
20	C, L	EDTA	No	LS2A01	500	9275	39												
23	L	None	No	LS2A01	1000	8728	24												
24	L	EDTA	No	LS2A01	1000	11382	31	LS2PRA	1000	14558	51	LSAII	default	19833	141	LMX		19264	
25	L	EDTA	Yes	LS2A01	1000	16509	710	LSAII	1500	20172	166								
26	L	EDTA	No	LS2A01	7173	69													
28	L	None	No	LS2A01	500	8783	39												
34	L	EDTA	No	LS2A01	1000	17285	35												
35	L	None	No	LS2A01	1000	11562	62												
38	L	EDTA	No	LS2A01	918	9692	42	LSAII	18797	142									
39	L	EDTA wash buffer	No	LS2A01	1200	12063	13												
41	L	None	No	LS2A01	7357	49													
42	L	EDTA	No	LS2A01	1000	8062	33												
45	L	EDTA, Adsorption beads	No	LS2A01	1500	8999	18												
48	L	Heat Inactivation	No	LS2A01															
51	L	None	No	LS2A01	800	6766	505	LSM12	350	9448	101								
54	L	EDTA	No	LSM12	3	8595	22	LSAII	1000	9753	23	LMX		19484					
56	L	None	No	LSAII	1000	9618	65												
62	L	None	No	LSAII	390	13463	170												
100	L	None	No	LSAII	1000	7878	30												
101	L	None	No	LSAII	500	17937	167												
112	L	None	No	LSAII	1000	11283	50												
114	C, L	None	No	LSAII	1000	7427	22	LSM12	7459	44									
116	EL	None	No	LSAII	500	8757	49												
117	L	EDTA	No	LS2A01	1000	6596	16	LSM12	1.5	7662	23								
119	L	EDTA	No	LS2A01	500	7413	29												
120	L	EDTA	No	LS2A01	500														
133	L	None	No	LSAII	13.01, 13.03, 14.01, 14.04	14702	108												
136	L	None	No	LS2A01	1000	9368	25	LSM12	6	8621	26								
139	L	EDTA	No	LS2A01	1000	8029	20												
142	L	None	No	LS2A01	1000	8759	222												
143	L	None	No	LS2A01	1000	11426	33												
145	L	None	No	LS2A01	1000	6203	31	LSM12	1.5/1.2	7991	49								
147	L	None	No	LS2A01	1500	10252	28	LSM12	5	6047	26								
149	L	EDTA	No	LS2A01	1000	8835	41												
157	L	None	No	LS2A01	1500	8167	29												
158	L	Adsorption beads	No	LS2A01	1000	9500	16												
160	L	EDTA	No	LS2A01	1000	10700	20	LSM12	3	8100	59								
162	L	EDTA	No	LS2A01	1000														
163	L	EDTA	No	LS2A01	1500	13767	35												
164	L	None	No	LS2A01	1500	10437	38												
165	F, E, L	Dilution	No	LS2A01	210	9054	43												
169	L	EDTA	No	LS2A01	1000	8400	23												
181	L	None	No	LSAII	500	7087	35												
185	L	EDTA	No	LSAII	1000	18831	116	LM2	1000	20478	63	LMX		19425	161				
186	L	None	No	LSM12	1000	7795	58	LSA i&ii											
190	L	EDTA	No	LS2A01	1000	8660	26												
193	L	None	No	LS2A01	1000	8186	15												
194	L	DTT	No	LS2A01	1400	10400	34												
195	L	None	No	LS2A01	1000	7214	30												
197	L	EDTA	No	LS2A01	1000	9235	14												
204	L	EDTA	No	LS2A01	1000	7214	30												
206	L	EDTA	No	LS2A01	500	3000	500												
209	C, L	EDTA	No	LS2A01	500														
218	L	Heat Inactivation	No	LSAII	12.01, 13.01, 13.03, 14.01, 14.04	14700	158												
227	L	Dilution, EDTA	No	LS2A01	1000	8546	13												
232	L	None	No	LS2PRA	1000	10026	27	LSM12	1000	8863	72								
235	L	DTT	No	LSAII	500	16934	25												
238	L	None	No	LSAII	1000/500	8049	25												
245	L	EDTA	No	LSAII	AD BCR -5	16548	240												
262	L	None	No	LSAII	BCM >700	19066	173	LMX											
267	L	None	No	LSAII	1500	15700	134	LM2	1000	20759	65/76/130								
268	C, L	None	No	LSAII	857	8916	33												
273	L	None	No	LS2A01	500	7317	30												
277	L	EDTA	No	LS2A01	1000	8020	18	LSM12	3	8096	21								
284	L	EDTA	No	LS2A01	500	12143	48	LSM12	2.5	3089	38								
292	L	EDTA	No	LS2A01	500														
293	L	None	No	LS2A01	500	7457	6	LS2PRA	500	7457	6								
294	L	None	No	LSAII	1500	15158	17												
297	L	EDTA	No	LSAII	1500	4778	17												
303	L	EDTA	No	LS2A01	1000	7171	26												
309	L	None	No	LSAII	1500	20100	450												
311	L	EDTA	No	LSAII	1500	8694	28												
315	L	EDTA	No	LS2A01	2000	11257	33												
323	L	EDTA	No	LS2A01	1000	9662	11												

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

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

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 3 05/2016

DESPATCHED ON 26TH JANUARY 2016

HLA specificity for assessment															
Consensus % reported	DQ5 Absent 1.3%			DQ6 Absent 1.3%			DQ7 Not Assessed 15.2%			DQ8 Not Assessed 15.2%			DQ9 Not Assessed 17.7%		
	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9															
11															
12							DQ7	L	< 2000	DQ8	L	< 2000	DQ9	L	< 2000
14															
15															
19															
20													DQ9	L	< 2000
23															
24															
25															
26							DQ7	L	< 2000	DQ8	L	< 2000	DQ9	L	< 2000
28															
34															
35															
38															
39															
41															
42							DQ7	L	< 2000	DQ8	L	< 2000	DQ9	L	< 2000
45															
48															
51							DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000
54															
58															
62															
100															
101															
112													DQ9	L	< 2000
114															
116															
117															
119															
120															
133															
136															
139															
142															
143							DQ7	L	< 2000	DQ8	L	< 2000	DQ9	L	< 2000
145															
147															
149															
157															
159															
160															
162															
163															
164															
165															
169															
181															
185	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
186															
190							DQ7	L	< 2000	DQ8	L	< 2000	DQ9	L	< 2000
193															
194							DQ7	L	< 2000	DQ8	L	< 2000	DQ9	L	< 2000
195															
197	DQ5	L		DQ6	L		DQ7	L							
204															
206															
209										DQ8	L	< 2000	DQ9	L	< 2000
218															
227							DQ7	L	< 2000	DQ8	L	< 2000	DQ9	L	2000-5000
232															
235															
238															
245							DQ7	L	< 2000	DQ8	L	< 2000	DQ9	L	< 2000
262															
267															
268															
273															
277							DQ7	L	< 2000	DQ8	L	< 2000	DQ9	L	< 2000
284															
292															
293															
294															
297															
303							DQ7	L	< 2000	DQ8	L	< 2000	DQ9	L	< 2000
309															
311															
315															
323															

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1	< 2000	1	< 2000	12	< 2000	12	< 2000	14	< 2000
79	0	79	0	79	9	79	10	79	11
	2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
	0		0		1		2		2
	> 5000		> 5000		> 5000		> 5000		> 5000
	0		0		0		0		0

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

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 3 05/2016

DESPATCHED ON 26TH JANUARY 2016

Techniques used	Sample Treatment	High Background	Allele Specific Antibodies	Luminex kit (lot)	Cut-off value	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot)	Cut-off value	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot)	Cut-off value	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot)	Cut-off value	Control bead MFI Positive	Control bead MFI Negative
IgG	IgG		IgG	IgG	IgG			IgG	IgG			IgG	IgG			IgG	IgG		
Lab no.																			
9	L	None	No		LS2A01	800	7775	82											
11	L	None	No		LSM12	2.5	73	2953											
12	L	EDTA	No	DQA1*03:02 has been interpreted as causing positivity seen against DOB1*03:02, 03:03	LS2A01	500	10314	121	LSM12	3	10721	202							
				DQA1*05:03, 05:05, 06:01 has been interpreted as causing positivity seen against DOB1*03:01															
14	L	Heat Inactivation, EDTA	No		LS2A01	1500	11422	29											
15	L	EDTA	No		LS2A01	1000	11493	27											
19	L	EDTA wash buffer	No		LS2A01	1000	13397	36											
20	C, L	EDTA	No	DQA1*03:02	LS2A01	500	7904	36											
23	L	None	No		LS2A01	1000	8679	24											
24	L	EDTA	No		LS2A01	1000	11773	63	LS2PRA	1000	12136	33	LSAII	default	17527	160	LMX		18076
25	L	EDTA	No		LM2	6	9284	126.79											
26	L	None	No		LS2A01	1000	12772	126											
28	L	None	No	DQA1*03:02, 05:03, 05:05, 06:01	LS2A01	500	10248	39.8											
34	L	EDTA	No		LS2A01	1000	11174	17											
35	L	None	No		LS2A01	1000	11465	72											
38	L	EDTA	No		LS2A01	1000	10007	38	LSAII		18385	171							
39	L	EDTA wash buffer	No		LS2A01		10948	18											
41	L	None	No		LS2A01		7467	38											
42	L	EDTA	No		LS2A01		7530	41											
45	L	EDTA, Adsorption beads	No	DQA1*03:02, 05:05, 06:01	LS2A01	1000	12478	24											
48	L	Heat Inactivation	No		LS2A01	1500	12478	24											
51	L	None	No	DP13	LS2A01	500	12240	94											
54	L	None	No		LS2A01	1000	11013	36	LSM12	350	8609	13							
58	L	EDTA	No		LSM12	3	8530	16	LSAII	1000	10566	45	LMX		17379				
62	L	None	No		LS2A01	1000	10722	62											
100	L	None	No		LSAII	506	15547	135											
101	L	None	No		LS2A01	1000	7750	77											
112	L	None	No		LSAII	500	17657	143											
114	C, L	EDTA	No		LS2A01	1000	9905	17											
116	C, L	None	No		LS2A01	1000	7502	27	LSM12		7824	59							
117	EL	None	No	DRB1*11:01, 13:03, 14:01, 14:54	LS2A01	500	9853	49											
119	L	EDTA	No		LS2A01	1000	6770	17	LSM12	1.5	10381	35							
120	L	EDTA	No	DQA1*03:02, 05:05	LS2A01	500	7907	53											
133	L	None	No		LSAII		14054	211											
136	L	None	No		LS2A01	1000	9368	24											
139	L	None	No		LS2A01	1000	7886	41	LSM12	6	8396	33							
142	L	EDTA	No		LS2A01	1000	7690	33											
143	L	None	No		LS2A01	1000	13651	60											
145	L	None	No		LS2A01	1000	11806	50	LSM12	1.5/1.2	7991	49							
147	L	None	No		LSM12	8773	5	46											
149	L	EDTA	No	DQA1*03:02, 05:05	LS2A01		9344	18											
157	L	None	No		LS2A01	1500	17145	86											
160	L	Adsorption beads	No																
162	L	EDTA	No	MICA = negative	LSM12	3	7400	19											
163	L	EDTA	No		LS2A01	1500	11900	25											
164	L	None	No		LS2A01	1500	10437	38											
165	F, E, L	Dilution	No		LS2A01	45	10076	223											
169	L	Dilution	No		LS2A01	1000	9800	30											
181	L	None	No	DQA1*03:02, 05:03, 05:05, 06:01	LS2A01	500	7707	187											
185	L	EDTA	Yes	Aspecific reactions epitopes 46VY3? All DQ except DQ2 are reactive. High background also for DR & DP.															
186	L	None	No		LSM12	1000	9459	223	LSA I&II	1000	19502	151							
190	L	EDTA	No		LS2A01	1000	8580	38											
193	L	None	No		LS2A01	1000	7318	14											
194	L	None	No	DQA1*03:02, 05:05	LS2A01														
195	L	None	No		LS2A01	1400	12700	30											
197	L	None	No																
198	L	EDTA	No		LS2A01	1000	9130	12											
206	L	EDTA	No		LS2A01	1000	7733	25											
209	C, L	EDTA	No	DQA1*03:02	LS2A01	500	3000	500											
218	L	Heat Inactivation	No		LSAII		15143	193											
227	L	Dilution, EDTA	No																
232	L	None	No		LS2A01		8261	28											
235	L	DTT, Adsorption beads	Yes		LS2PRA	1000	10743	374	LSM12	1000	11251	293							
238	L	None	No		LSAII	500	15833												
245	L	EDTA	No	DQA1*03:02, 05:03, 05:05, 06:01 (in our protocol HLA-DQ7, DQ8 and DQ9 wouldn't be assigned as present)	LS2A01	1000/500	12322	36											
262	L	None	No		LSAII	AD BCR >5	17863	182											
267	L	Sera Clean	No		LSAII	BCM ~700	19208	168	LMX										
268	C, L	None	No		LSAII	1500	15686	151	LM2	1000	20296	31/102/135							
273	L	None	No		LS2A01	1311	11111	71											
277	L	EDTA	No	DQA1*03:02, 05:03, 05:05, 06:01	LS2A01	500	9881	109											
284	L	EDTA	No		LS2A01	1000	8250	25	LSM12	3	7553	20							
292	L	EDTA	No		LS2A01	500	10975	38	LSM12	2.5	6589	50							
293	L	None	No		LS2A01	500	7288	21	LS2PRA	500	7288	21							
294	L	None	No		LSAII		15167												
297	L	EDTA	No		LS2A01	1500	4765	25											
303	L	EDTA	No		LS2A01	1000	8760	183											
309	L	None	No																
311	L	EDTA	No		LS2A01	1500	9336	28											
315	L	EDTA	No	DQA*03	LS2A01	2000	10224	46											
323	L	EDTA	No		LS2A01	1000	9724	18											

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