

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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 3 06/2016

DESPATCHED ON 28th JUNE 2016

HLA specificity for assessment																										
Consensus % reported	Cw7 Absent 1.2%			Cw8 Present 80.2%			Cw12 Not Assessed 9.9%			Cw14 Absent 1.2%			Cw15 Present 96.3%			Cw16 Absent 3.7%			Cw17 Present 96.3%			Cw18 Present 97.5%				
	Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI				
9					Cw8	L	< 2000		Cw12	L	< 2000			Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
11					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
12					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
14														Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
15					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
20					Cw8	L	2000-5000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
23					Cw8	L	< 2000		Cw12	L	< 2000			Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
24					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
25					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
26														Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
28					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
34					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
35					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
38														Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
39					Cw8	L	2000-5000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
41					Cw8	L	2000-5000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
42					Cw8	L	< 2000		Cw12	L	< 2000			Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
45					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
48					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
51					Cw8	L	2000-5000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
54					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
58					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
62														Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
100					Cw8	L	> 5000							Cw15	L	2000-5000			Cw17	L	2000-5000	Cw18	L	> 5000		
101					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
112					Cw8	L	> 5000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
114					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
116					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
117					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
119					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
120					Cw8	L	< 2000		Cw12	L	< 2000			Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
133					Cw8	L	2000-5000							Cw15	L	2000-5000			Cw17	L	> 5000	Cw18	L	> 5000		
136					Cw8	L	2000-5000		Cw12	L	2000-5000			Cw15	L	> 5000	Cw16	L	< 2000	Cw17	L	> 5000	Cw18	L	> 5000	
139														Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
142					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
143					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
145					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
147					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
149					Cw8	L	> 5000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
157					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
159					Cw8	L	2000-5000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
162					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
163														Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
164														Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
165																										
169					Cw8	L	> 5000		Cw12	L	2000-5000	Cw14	L	< 2000	Cw15	L	> 5000	Cw16	L	2000-5000	Cw17	L	> 5000	Cw18	L	> 5000
181														Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
185					Cw8	L	> 5000							Cw15	L	> 5000			Cw17	L	2000-5000	Cw18	L	> 5000		
186					Cw8	L	2000-5000							Cw15	L	2000-5000			Cw17	L	2000-5000	Cw18	L	> 5000		
190					Cw8	L	< 2000, > 5000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
193					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
194					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
195					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
197																										
204					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
206														Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
209					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
214					Cw8	L	< 2000																			
218					Cw8	L	> 5000							Cw15	L	> 5000			Cw17	L	2000-5000	Cw18	L	> 5000		
227					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
229																										
232					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
235	Cw7	L	< 2000		Cw8	L	> 5000		Cw12	L	< 2000			Cw15	L	> 5000	Cw16	L	< 2000	Cw17	L	> 5000	Cw18	L	> 5000	
238					Cw8	L	> 5000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
245					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
252																										
262					Cw8	L	> 5000							Cw15	L	2000-5000			Cw17	L	2000-5000	Cw18	L	> 5000		
267					Cw8	L	> 5000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
286					Cw8	L	2000-5000							Cw15	L	> 5000			Cw17	L	2000-5000	Cw18	L	2000-5000		
273					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
277					Cw8	L	< 2000							Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
284														Cw15	L	> 5000			Cw17	L	> 5000	Cw18	L	> 5000		
292					Cw8																					

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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	None	No			LS1A04	1000	14210	194.89													
11	L	None	Yes	NC16		LS1A04	1000	11482	79	LSM12	2.5	6255	66									
12	L	EDTA	Yes	16		LS1A04	1000	17497	1381	LSM12	3	11278	60									
14	L	Heat Inactivation, EDTA	No	16		LS1A04	1500	20056	50													
15	L	EDTA	No	15		LS1A04	1000	14516	46.8													
19	L	None	No			LS1A04	1000	17487	113													
20	C+L	EDTA	Yes	15	C*03:02	LS1A04	1000	11681	503													
23	C+L	EDTA	No	16		LS1A04	1000	12047	37.38													
24	L	EDTA	No	15		LS1A04	1000	15304	105	LSM12	4.5	9492	74	LS1PRA	1000	17074	185	LSAI	1500/3/4	21612	177	
25	L	EDTA	No	15		LS1A04	1000	15721	116	LSM12	6.1	13216	33.09	LSAI	1500	21381	200					
26	L	EDTA	No																			
28	L	None	No	101207		LS1A04	500	9633	60													
34	L	EDTA	No	NC15-009		LS1A04	826	17562	29													
35	L	EDTA	No			LS1A04	1000	19014	45													
38	L	EDTA	No	15		LS1A04	1510	20558	45	LSAI	3946	23245	173									
39	L	None	No	LS-NC015	C*03:02	LS1A04	1200	19059	60													
41	L	None	No	15		LS1A04	2000	14645	57													
42	L	EDTA	No	16	C*03:02	LS1A04	500	12981	236													
45	L	EDTA	No	16		LS1A04	1500	18214	277													
48	L	Heat Inactivation	No	22																		
51	L	EDTA	No			LS1A04	2000	16816	69													
54	L	EDTA	No			LS1A04	750	12458	258	LSM12	350											
58	L	EDTA	No	15		LS1A04	1000	14122	422	LSM12	3	7523	16									
62	L	None	No	009-00		LS1A04	1500	18845	127													
100	L	None	No			LSAI	729	20793	154													
101	L	None	No			LS1A04		13525	114													
112	L	None	No			LS1A04	Score >4	4519	5.83	LSAI	500	21242	218									
114	L	EDTA	No	16		LS1A04	1000	14995	216													
116	C+L	EDTA	No	16		LS1A04	1000	13867	169	LSM12		9089	128									
117	E+L	None	No	16		LS1A04	500	18354	116													
119	L	EDTA	No	16		LS1A04	1000	17130	149	LSM12	Ratio >1.6	7891	28									
120	L	EDTA	No			LS1A04	500	13212	115													
133	L	None	No		C*02:02, 04:03, 05:01, 06:02, 08:02, 15:02, 17:01, 18:01	LSAI		20497	237													
136	C+L	None	No	A*66:01		LS1A04	1000	15247	295													
139	L	EDTA	No	LS-NC016		LS1A04	1000	14365	119	LSM12	4	9480	30									
142	L	EDTA	No			LS1A04	1000	15399	76													
143	L	None	No	15		LS1A04	1000	11999	83													
145	L	None	No	NC15		LS1A04	1000	14663	362	LSM12	1.5/1.2	9325	120									
147	C+L	None	No			LS1A04	1000	14216	125	LSM12	RaTIO >5	8318	45									
149	L	None	No																			
157	L	EDTA	No	15		LS1A04	1000	16507	377													
159	C+L	None	No	15		LS1A04	1500	13210	102													
160	L	Adsorption beads	No	14		LS1A04	500	10950	77													
162	L	EDTA	No			LS1A04	1000	18713	143	LSM12	3	10068	93									
163	L	EDTA	Yes	513		LS1A04	1500	15982	513													
164	L	None	No			LS1A04	1500	13111	103													
165	L	None	No																			
169	L	None	Yes		A*66:02	LS1A04	1000	12028	400													
181	L	None	No	82521		LS1A04	500	13346	132													
185	L	EDTA	No		Cw4, 8 (False positive A*02:02, 31; B*15:03, 13)	LSAI		20365	122	LM1		21762	156									
186	L	None	No			LS1A04	1000	13535	297	LSAI	1000	20397	182									
190	L	EDTA	No			LS1A04	1000	14103	262													
193	L	EDTA	No			LS1A04	1000	15684	98													
194	C+L	DTT	No			LS1A04																
195	L	None	No			LS1A04	1400	17143	121													
197	L	None	No	66531																		
204	L	EDTA	No	15		LS1A04	1000	13454	206													
206	L	EDTA	No	16		LS1A04	1000	14196	300													
209	L	EDTA	No		C*03:02	LS1A04	500	15444	76													
214	L	None	Yes		C*04:03, 06:02, 08:02, 18:01	LSAI&II	500	19361	177													
218	L	Heat Inactivation	No		C*02:02, 04:01, 04:03, 05:01, 06:02, 08:02, 15:02, 17:01, 18:01	LSAI		19396														
227	L	Dilution/EDTA	No		A*26:01, 29:02, 33:01; B*14:02																	
229	F	None	No																			
232	L	None	No	NC16		LS1A04	1200	8779	102													
235	L	DTT	No	54424		LSM12	1000	14395	159	LS1PRA	1000	12385	157									
238	L	None	No			LSAI	500	21366	172													
242	L	EDTA	No			LS1A04	1000/500	14580	94													
245	L	None	No	151		LSAI	ADBCR>5	21493	185													
262	L	None	No			LSAI	BCM>500	20859	247													
267	L	None	No			LSAI	1500	20223	149													
268	C+L	None	No			LS1A04	1572	12474	89	LM1	1000	22672	208/403/130									
273	L	None	No			LS1A04	500	16341	137													
277	L	EDTA	No			LS1A04	>1000	15015	64	LSM12	>3	9049	36									
284	L	EDTA	No	66531		LS1A04	500	14605	89	LSM12	2.5	15386	61									
292	L	EDTA	No			LS1A04	500	9047	50	LS1PRA	500	9047	50									
293	L	None	No			LSAI	20015			LMX		16519	76/102									
294	C+L	None	No			LSAI																
297	L	EDTA	No	LSNCOL		LS1A04	1500	10082	92													
303	L	EDTA	No	016		LS1A04	1000	11455	87													
309	L	None	No			LSAI	1500	13788	194													
311	L	EDTA	No			LS1A04	1500	13540	151													
315	L	EDTA	No	LSNC015		LS1A04	2000	11654	61													
323	L	EDTA	No			LS1A04	1000	13587	150													
351	L	None	No			LSAI	1500	9000	100	LSAI&II	1500	9000	100									

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

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CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 3 07/2016

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HLA specificity for assessment																																							
Lab no.	A1			A3			A23			A24			A11			A29			A30			A31			A32			A33			A74			A36			A43		
	Consensus % reported	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					A3	L	< 2000							A11	L	< 2000				A30	L	2000-5000	A31	L	2000-5000	A32	L	< 2000				A74	L	< 2000	A36	L	< 2000		
11					A3	L	< 2000													A30	L	< 2000	A31	L	< 2000														
12					A3	L	< 2000													A30	L	2000-5000	A31	L	2000-5000														
14																				A30	L	2000-5000	A31	L	2000-5000														
15					A3	L	< 2000	A23	L	< 2000	A24	L	< 2000							A30	L	2000-5000	A31	L	2000-5000														
19					A3	L	< 2000													A30	L	2000-5000	A31	L	2000-5000														
20																				A30	L	< 2000																	
23					A3	L	2000-5000													A30	L	< 2000	A31	L	2000-5000														
24																				A30	L	< 2000	A31	L	2000-5000														
25																				A30	L	< 2000	A31	L	< 2000														
26																				A30	L	< 2000	A31	L	2000-5000														
28					A3	L	< 2000													A30	L	< 2000	A31	L	< 2000														
34					A3	L	< 2000													A30	L	< 2000	A31	L	2000-5000														
35																				A30	L	< 2000	A31	L	2000-5000														
38																				A30	L	< 2000	A31	L	2000-5000														
39					A3	L	2000-5000													A30	L	2000-5000	A31	L	2000-5000														
41																				A30	L	2000-5000	A31	L	2000-5000														
42					A3	L	< 2000								A11	L	< 2000				A30	L	< 2000	A31	L	2000-5000													
45					A3	L	< 2000													A30	L	2000-5000	A31	L	2000-5000														
48					A3	L	2000-5000													A30	L	2000-5000	A31	L	2000-5000														
51					A3	L	< 2000													A30	L	2000-5000	A31	L	2000-5000														
54					A3	L	< 2000													A30	L	< 2000	A31	L	2000-5000														
58					A3	L	< 2000													A30	L	2000-5000	A31	L	2000-5000														
62					A3	L	< 2000													A30	L	< 2000	A31	L	2000-5000														
100																				A30	L	< 2000	A31	L	< 2000														
101					A3	L	< 2000													A30	L	< 2000	A31	L	2000-5000														
112					A3	L	< 2000													A30	L	< 2000	A31	L	< 2000														
114					A3	L	< 2000													A30	L	< 2000	A31	L	2000-5000														
116																				A30	L	< 2000	A31	L	< 2000														
117					A3	L	< 2000													A30	L	< 2000	A31	E+L	2000-5000														
119					A3	L	2000-5000													A30	L	2000-5000	A31	L	2000-5000														
120					A3	L	< 2000													A30	L	< 2000	A31	L	< 2000														
133																				A30	L	< 2000	A31	L	2000-5000														
136					A3	L	< 2000													A30	L	< 2000	A31	L	2000-5000														
139																				A30	L	< 2000	A31	L	< 2000														
142					A3	L	< 2000													A30	L	< 2000	A31	L	< 2000														
143					A3	L	< 2000													A30	L	< 2000	A31	L	< 2000														
145					A3	L	< 2000													A30	L	< 2000	A31	L	2000-5000														
147					A3	L	< 2000													A30	L	< 2000	A31	L	2000-5000														
149					A3	L	< 2000													A30	L	< 2000	A31	L	< 2000														
157					A3	L	< 2000													A30	L	< 2000	A31	L	2000-5000														
159																				A30	L	2000-5000	A31	L	2000-5000														
160					A3	L	< 2000								A11	L	< 2000				A30	L	< 2000	A31	L	< 2000	A32	L	< 2000					A36	L	< 2000			
162					A3	L	2000-5000													A30	L	2000-5000	A31	L	2000-5000														
163																				A30	L	< 2000	A31	L	2000-5000														
164																				A30	L	< 2000	A31	L	2000-5000														
166					A3	L	2000-5000							A11	L	< 2000	A29	L	< 2000	A30	L	> 5000	A31	L	> 5000	A32	L	> 5000	A33	L	< 2000			A43	L	< 2000			
169					A3	L	< 2000													A30	L	< 2000	A31	L	2000-5000														
181					A3	L	< 2000													A30	L	< 2000	A31	L	< 2000														
185					A3	L	< 2000													A30	L	< 2000	A31	L	< 2000														
186																				A30	L	< 2000	A31	L	2000-5000														
190					A3	L	< 2000													A30	L	< 2000	A31	L	2000-5000														
193																				A30	L	< 2000	A31	L	2000-5000														
194					A3	L	< 2000													A30	L	< 2000	A31	L	< 2000														
197					A3	L	< 2000													A30	L	< 2000	A31	L	2000-5000														
204					A3	L	< 2000													A30	L	2000-5000	A31	L	2000-5000														
206																				A30	L	< 2000	A31	L	2000-5000														
209					A3	L	< 2000								A11	L	< 2000				A30	L	< 2000	A31	L	2000-5000							A36	L	< 2000				
214					A3	L	< 2000													A30	L	< 2000	A31	L	2000-5000														

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HLA specificity for assessment																																							
Lab no.	A80 Absent 4.9%			B7 Not Assessed 40.2%			B703 Absent 1.2%			B8 Not Assessed 74.4%			B13 Present 84.1%			B64 Absent 1.2%			B62 Absent 1.2%			B75 Absent 1.2%			B76 Absent 1.2%			B55 Not Assessed 6.1%			B27 Not Assessed 6.1%			B2708 Absent 3.7%			B37 Absent 3.7%		
	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	A80	L	< 2000	B7	L	< 2000	B8	L	2000-5000	B13	L	2000-5000	B64	L	< 2000	B62	L	< 2000	B75	L	< 2000	B76	L	< 2000	B55	L	< 2000	B27	L	< 2000	B2708	L	< 2000	B37	L	< 2000			
11				B7	L	< 2000	B8	L	< 2000	B13	L	< 2000																											
12				B7	L	< 2000	B8	L	2000-5000	B13	L	2000-5000																											
14							B8	L	2000-5000	B13	L	< 2000																											
15							B8	L	2000-5000	B13	L	< 2000																											
19				B7	L	< 2000	B8	L	2000-5000	B13	L	< 2000																											
20							B8	L	2000-5000	B13	L	< 2000																											
23										B13	L	> 5000																											
24							B8	L	< 2000	B13	L	< 2000																											
25							B8	L	< 2000	B13	L	< 2000																											
26							B8	L	2000-5000	B13	L	< 2000																											
28				B7	L	< 2000	B8	L	< 2000	B13	L	< 2000																											
34				B7	L	< 2000	B8	L	2000-5000	B13	L	< 2000																											
35							B8	L	< 2000	B13	L	< 2000																											
38				B7	L	< 2000	B8	L	2000-5000	B13	L	< 2000																											
39							B8	L	2000-5000	B13	L	2000-5000																											
41							B8	L	2000-5000	B13	L	2000-5000																											
42				B7	L	< 2000	B8	L	2000-5000	B13	L	< 2000																											
45				B7	L	< 2000	B8	L	2000-5000	B13	L	< 2000																											
48				B7	L	2000-5000	B8	L	2000-5000	B13	L	2000-5000																											
51				B7	L	< 2000	B8	L	2000-5000	B13	L	2000-5000																											
54				B7	L	< 2000	B8	L	< 2000	B13	L	2000-5000																											
58							B8	L	2000-5000	B13	L	< 2000																											
62							B8	L	2000-5000	B13	L	< 2000																											
100							B8	L	< 2000	B13	L	< 2000																											
101							B8	L	2000-5000	B13	L	< 2000																											
112				B7	L	< 2000	B8	L	< 2000	B13	L	< 2000																											
114							B8	L	< 2000	B13	L	< 2000																											
116							B8	L	< 2000	B13	L	< 2000																											
117				B7	L	< 2000	B8	L	2000-5000	B13	L	< 2000																											
119				B7	L	< 2000	B8	L	2000-5000	B13	L	2000-5000																											
120				B7	L	< 2000	B8	L	< 2000	B13	L	< 2000																											
133							B8	L	2000-5000	B13	L	2000-5000																											
136				B7	L	< 2000	B8	L	< 2000	B13	L	< 2000																											
139							B8	L	< 2000	B13	L	< 2000																											
142							B8	L	< 2000	B13	L	< 2000																											
143							B8	L	< 2000	B13	L	< 2000																											
145							B8	L	< 2000	B13	L	< 2000																											
147							B8	L	< 2000	B13	L	< 2000																											
149							B8	L	< 2000	B13	L	< 2000																											
157				B7	L	< 2000	B8	L	< 2000	B13	L	2000-5000																											
159							B8	L	< 2000	B13	L	< 2000																											
160				B7	L	< 2000	B8	L	< 2000	B13	L	< 2000																											
162				B7	L	< 2000	B8	L	< 2000	B13	L	2000-5000																											
163							B8	L	< 2000	B13	L	2000-5000																											
164							B8	L	< 2000	B13	L	< 2000																											
165	A80	L	< 2000	B7	L	< 2000	B8	L	2000-5000	B13	L	2000-5000	B64	L	> 5000	B55	L	< 2000																					
181				B7	L	< 2000	B8	L	2000-5000	B13	L	< 2000																											
185				B7	L	< 2000	B8	L	< 2000	B13	L	< 2000																											
186							B8	L	< 2000	B13	L	< 2000																											
190							B8	L	2000-5000	B13	L	2000-5000																											
193							B8	L	< 2000	B13	L	< 2000																											
194				B7	L	< 2000	B8	L	2000-5000	B13	L	< 2000																											
195							B8	L	2000-5000	B13	L	< 2000																											
197				B7	L	< 2000	B8	L	< 2000	B13	L	< 2000																											
204				B7	L	< 2000	B8	L	2000-5000	B13	L	2000-5000																											
206							B8	L	2000-5000	B13	L	< 2000																											
209				B7	L	< 2000	B8	L	< 2000	B13	L	< 2000																											
214																																							
218																																							
227							B8	L	< 2000																														

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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 Cut-off vs Control b	Control b MFI Positive	Control bead MFI Negative
9	L	Dilution	Yes			LS1A04		12163	135											
11	L	None	No	NC16		LS1A04		500	10295											
12	L	EDTA	No	16		LS1A04	1000	15607	189	36 LSM12	3	2.5	7301	4368	22					
14	L	Heat Inactivation, EDTA	No	16		LS1A04	1500	17724	21	LSM12										
15	L	None	No		A*24:02	LS1A04	1000	15795	49.8											
19	L	None	No			LS1A04	1000	17203	24											
20	C+L	EDTA	No	15		LS1A04	1000	12979	77											
23	L	EDTA	No	16		LS1A04	1000	20387	194											
24	L	EDTA	No	15		LS1A04	1000	14050	38	LSM12	4.5	8400	35	LS1PRA						
25	L	EDTA	No	15		LS1A04	1000	13932	48	LSM12	6.1	12054	20.34	LSAI	1000	16125	157 LSAI	1500/3/4	20915	173
26	L	EDTA	No			LS1A04														
28	L	None	No	101207		LS1A04	500	9706	37											
34	L	EDTA	No	NC15-009		LS1A04	822	17004	28											
35	L	EDTA	No			LS1A04	1000	17965	15											
38	L	EDTA	No	15		LS1A04	1000	18216	40	LSAI	432	22282	187							
39	L	None	No	LS-NC015		LS1A04	1100	18839	29											
41	L	None	No	15		LS1A04	2000	14345	46											
42	L	EDTA	No		A*11:02	LS1A04	500	10811	80											
45	L	EDTA	No	16		LS1A04	1500	19303	51											
48	L	Heat Inactivation	No	22																
51	L	EDTA	No		B*40:06	LS1A04	1000	16066	78											
54	L	EDTA	No	15		LS1A04	750	11373	46	LSM12	350	6730	8							
58	L	EDTA	No			LS1A04	1000	11735	89	LSM12	3									
62	L	None	No	009-00		LS1A04	1500	16687	88.24											
100	L	None	No			LSAI	508	18656	202											
101	L	None	No			LSAI		12299	85											
112	L	None	No			LS1A04	Score >4	4519	5.83	LSAI	500	21088	218							
114	L	EDTA	No			LS1A04	1000	12606	36											
116	C+L	EDTA	No	16		LS1A04	1000	12004	132	LSM12		7168	39							
117	E+L	None	No	16		LS1A04	500	18195	86											
119	L	EDTA	No	16		LS1A04	1000	18682	55	LSM12	Ratio >1.6	6540	14							
120	L	EDTA	No			LS1A04	500	11143	59											
133	L	None	No			LSAI		18420	241											
136	C+L	None	No			LS1A04	1000	15750	93											
139	L	EDTA	No	LS-NC016		LS1A04	1000	13162	40	LSM12	4	8062	21							
142	L	EDTA	No			LS1A04	1000	13496	35											
143	L	None	No	15		LS1A04	1000	11007	32											
145	L	None	Yes	NC15		LS1A04	1000	14174	56	LSM12	1.5/1.2	7151	95							
147	C+L	None	No			LS1A04	1000	15091	109	LSM12	Ratio >5	7358	30							
149	L	None	No																	
157	L	EDTA	No	15		LS1A04	1000	16343	76											
159	C+L	None	No	15		LS1A04	1500	10373	85											
160	L	Adsorption beads	No	14		LS1A04	500	11100	48											
162	L	EDTA	No			LS1A04	1000	19360	87	LSM12	3	7230	24							
163	L	EDTA	No			LS1A04	1500	13318	69											
164	L	None	No			LS1A04	1500	11962	63											
165	L	None	No																	
169	L	None	No		A*11:01, 29:02, 30:02, 33:01	LS1A04	1000	12648	179											
181	L	None	No	82521		LS1A04	500	12082	72											
185	L	EDTA	No		Difficult interpretation due to known false positives in the current lots of the LSAI kits from Immucor	LSAI		20283	145	LM1		21476	165							
186	L	None	No			LS1A04	1000	11885	59	LSAI	1000	19622	233							
190	L	EDTA	No			LS1A04	1000	12413	86											
193	L	EDTA	No			LS1A04	1000	14012	58											
194	C+L	DTT	No			LS1A04														
195	L	None	No			LS1A04	1400	14681	40											
197	L	None	No																	
204	L	EDTA	No	15	C*03:04	LS1A04	1000	11059	91											
206	L	EDTA	No	16		LS1A04	1000	11597	74											
209	L	EDTA	No		A*11:01	LS1A04	500	15381	54											
214	L	None	No		A*03:01	LSAI&II	500	17883	201											
218	L	Heat Inactivation	No			LSAI		18793												
227	L	Dilution/EDTA	No																	
229	F	None	No		A*03:01, 30:01, 31:01; B*07:02, 08:01, 13:01, 27:05, 40:01, 55:01															
232	L	None	No	NC16		LS1A04	1200	11904	116											
235	L	DTT	No	54424		LS1PRA	1000	14388	50.2											
238	L	None	No			LSAI	500	20790	197											
242	L	None	No																	
245	L	EDTA	No			LS1A04	1000/500	13452	72											
252	L	None	No																	
262	L	None	No	151		LSAI	ADBRC>5	20309	165											
267	L	None	No			LSAI	BCM>500	21126	406											
268	C+L	None	No			LSAI	1500	18902	127	LM1	1000	22899	301/438/169							
273	L	None	No			LS1A04	660	11341	36											
277	L	EDTA	No		A*11:01	LS1A04	500	15573	41											
284	L	EDTA	No			LS1A04	>1000	12945	39	LSM12	>3	8009	25							
292	L	EDTA	No	66531		LS1A04	500	11857	89	LSM12	2.5	12457	33							
293	L	None	No			LS1A04	500	7954	8	LS1PRA	500	7854	8							
294	C+L	None	No			LSAI		18301		LMX		16110	67/87							
297	L	EDTA	No	LSNCOL		LS1A04	1500	9360	49											
303	L	EDTA	No	016		LS1A04	1000	15467	48											
309	L	None	No			LSAI	1000	19764	183											
311	L	EDTA	No			LS1A04	1500	12284	70											
315	L	EDTA	No	LSNC015		LS1A04	2000	10128	27											
323	L	EDTA	No			LS1A04	1000	12706	35											
351	L	None	No			LSAI	1500	9000	100	LSAI&II	1500	9000	100							

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

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HLA specificity for assessment		A23		A24		A2403		A69		B75		B57		B58		Cw4		Cw5		Cw7		Cw12		Cw15												
Consensus % reported	A2 Present 98.8%	Not Assessed 28.0%		Absent 1.2%		Absent 1.2%		Absent 2.4%		Absent 3.7%		Present 97.6%		Present 82.9%		Absent 1.2%		Absent 2.4%		Absent 1.2%		Absent 1.2%		Absent 1.2%												
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI									
9	A2	L	2000-5000	A203	L	2000-5000							B57	L	2000-5000	B58	L	2000-5000																		
11	A2	L	2000-5000	A203	L	2000-5000							B57	L	< 2000	B58	L	< 2000																		
12	A2	L	> 5000										B57	L	2000-5000	B58	L	2000-5000																		
14	A2	L	2000-5000	A203	L	2000-5000							B57	L	2000-5000	B58	L	2000-5000																		
15	A2	L	2000-5000									B75	L	< 2000	B57	L	< 2000	B58	L	2000-5000																
19	A2	L	2000-5000										B57	L	2000-5000	B58	L	2000-5000																		
20	A2	L	2000-5000										B57	L	2000-5000	B58	L	2000-5000																		
23	A2	L	2000-5000										B57	L	2000-5000	B58	L	< 2000																		
24	A2	L	2000-5000	A203	L	> 5000							B57	L	2000-5000	B58	L	2000-5000																		
25	A2	L	2000-5000										B57	L	< 2000	B58	L	< 2000																		
26	A2	L	< 2000										B57	L	< 2000	B58	L	< 2000																		
28	A2	L	2000-5000	A203	L	2000-5000							B57	L	< 2000	B58	L	< 2000																		
34	A2	L	2000-5000									B75	L	< 2000	B57	L	< 2000	B58	L	< 2000																
35	A2	L	2000-5000										B57	L	< 2000	B58	L	< 2000																		
38	A2	L	2000-5000	A203	L	2000-5000							B57	L	2000-5000	B58	L	< 2000																		
39	A2	L	> 5000									B75	L	2000-5000	B57	L	2000-5000	B58	L	2000-5000																
41	A2	L	> 5000										B57	L	2000-5000	B58	L	2000-5000																		
42	A2	L	2000-5000										B57	L	< 2000	B58	L	< 2000																		
45	A2	L	2000-5000										B57	L	2000-5000	B58	L	< 2000																		
48	A2	L	> 5000	A203	L	> 5000							B57	L	2000-5000	B58	L	2000-5000																		
51	A2	L	2000-5000										B57	L	< 2000	B58	L	< 2000																		
54	A2	L	2000-5000	A203	L	2000-5000							B57	L	2000-5000	B58	L	< 2000																		
58	A2	L	2000-5000										B57	L	2000-5000	B58	L	< 2000																		
62	A2	L	2000-5000										B57	L	2000-5000	B58	L	< 2000																		
100	A2	L	< 2000	A203	L	< 2000	A23	L	< 2000				B57	L	< 2000	B58	L	< 2000																		
101	A2	L	2000-5000	A203	L	2000-5000							B57	L	< 2000	B58	L	< 2000																		
112	A2	L	< 2000	A203	L	< 2000							B57	L	< 2000	B58	L	< 2000																		
114	A2	L	2000-5000	A203	L	2000-5000							B57	L	2000-5000	B58	L	< 2000																		
116	A2	L	2000-5000										B57	L	2000-5000	B58	L	< 2000																		
117	A2	E+L	2000-5000	A203	L	2000-5000							B57	E+L	< 2000	B58	E+L	< 2000																		
119	A2	L	2000-5000										B57	L	2000-5000	B58	L	2000-5000																		
120	A2	L	2000-5000										B57	L	2000-5000	B58	L	< 2000																		
133	A2	L	< 2000	A203	L	< 2000							B57	L	< 2000	B58	L	< 2000																		
136	A2	L	2000-5000	A203	L	2000-5000							B57	L	2000-5000	B58	L	2000-5000																		
139	A2	L	2000-5000										B57	L	< 2000	B58	L	< 2000																		
142	A2	L	2000-5000										B57	L	2000-5000	B58	L	< 2000																		
143	A2	L	2000-5000										B57	L	2000-5000	B58	L	< 2000																		
145	A2	L	2000-5000										B57	L	2000-5000	B58	L	< 2000																		
147	A2	L	2000-5000										B57	L	2000-5000	B58	L	< 2000																		
149	A2	L	< 2000										B57	L	< 2000	B58	L	< 2000																		
157	A2	L	2000-5000										B57	L	2000-5000	B58	L	2000-5000																		
159	A2	L	2000-5000										B57	L	2000-5000	B58	L	2000-5000																		
160	A2	L	2000-5000										B57	L	2000-5000	B58	L	< 2000																		
162	A2	L	> 5000										B57	L	2000-5000	B58	L	2000-5000																		
163	A2	L	2000-5000										B57	L	< 2000	B58	L	< 2000																		
164	A2	L	2000-5000										B57	L	2000-5000	B58	L	2000-5000																		
165	A2	L	> 5000										B57	L	2000-5000	B58	L	2000-5000																		
181	A2	L	2000-5000	A203	L	2000-5000							B57	L	2000-5000	B58	L	< 2000																		
185	A2	L	< 2000	A203	L	< 2000							B57	L	< 2000	B58	L	< 2000																		
186	A2	L	< 2000										B57	L	< 2000	B58	L	< 2000																		
190	A2	L	2000-5000										B57	L	2000-5000	B58	L	2000-5000																		
193	A2	L	2000-5000										B57	L	2000-5000	B58	L	< 2000																		
194	A2	L	2000-5000										B57	L	2000-5000	B58	L	< 2000																		
195	A2	L	2000-5000										B57	L	2000-5000	B58	L	< 2000																		
197	A2	L	< 2000										B57	L	< 2000	B58	L	< 2000																		
204	A2	L	2000-5000	A203	L	2000-5000							B57	L	2000-5000	B58	L	2000-5000																		
206	A2	L	2000-5000										B57	L	< 2000	B58	L	< 2000																		
209	A2	L	2000-5000										B57	L	2000-5000	B58	L	< 2000																		
214	A2	L	< 2000	A203	L	< 2000							B57	L	< 2000	B58	L	< 2000																		
218	A2	L	< 2000	A203	L	< 2000	A24	L	< 2000	A2403	L	< 2000	A69	L	< 2000	B57	L	< 2000	B58	L	< 2000															
227	A2	L	2000-5000										B57	L	2000-5000	B58	L	< 2000																		
229	A2	F	< 2000				A23	F					B57	L	< 2000	B58	L	< 2000																		
232	A2	L	2000-5000										B57	L	< 2000	B58	L	< 2000																		
235	A2	L	> 5000										A69	L	< 2000	B57	L	> 5000	B58	L	> 5000	Cw4	L	< 2000	Cw5	L	< 2000	Cw7	L	< 2000	Cw12	L	< 2000	Cw15	L	< 2000
238	A2	L	< 2000										B57	L	< 2000	B58	L	< 2000																		
242	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT								
245	A2	L	2000-5000										B57	L	2000-5000	B58	L	< 2000																		
252	A2	L	< 2000										B57	L	< 2000	B58	L	< 2000																		
262	A2	L	2000-5000	A203	L	2000-5000							B57	L	2000-5000	B58	L	2000-5000																		

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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 Cut-off v1 IgG	Control b MFI Positive	Control MFI Negative
9	L	None	No	NC16		LS1A04	800	12255	126											
11	L	None	No	16		LS1A04	1000	11278	28	30 LSM12	3	2.5	5046	16						
12	L	EDTA	No	16		LS1A04	1000	17576	129	LSM12	3	7904	49							
14	L	Heat Inactivation, EDTA	No	16		LS1A04	1500	19463	28											
15	L	EDTA	No	15 B*15:02		LS1A04	1000	20297	61											
19	L	None	No			LS1A04	1000	18056	38											
20	C+L	EDTA	No	15		LS1A04	1000	16353	72											
23	L	EDTA	No	16		LS1A04	1000	11525	20.16											
24	L	EDTA	No	15		LS1A04	1000	17557	85	LSM12	4.5	5575	41	LS1PRA						
25	L	EDTA	No	15		LS1A04	1000	15078	37	LSM12	6.1	13692	35.23	LSAI	1000	17745	135 LSAI	1500/3/4	20701	132
26	L	EDTA	No																	
28	L	None	No	101207		LS1A04	500	10262	51											
34	L	EDTA	No	NC15-009		LS1A04	965	16912	21											
35	L	EDTA	No			LS1A04	1000	18615	22											
38	L	EDTA	No	15		LS1A04	1000	19358	39	LSAI	971	23129	207							
39	L	None	No	LS-NC015		LS1A04	1000	18052	60											
41	L	None	No	15		LS1A04	2000	13728	59											
42	L	EDTA	No	16		LS1A04	500	5988	42											
45	L	EDTA	No	16		LS1A04	1500	16804	40											
48	L	Heat Inactivation	No	22																
51	L	EDTA	No			LS1A04	1000	18059	40											
54	L	EDTA	No	15		LS1A04	750	14230	81	LSM12	350									
58	L	EDTA	No	15		LS1A04	1000	12316	60	LSM12	3	7826	11.5							
62	L	None	No	009-00		LS1A04	1500	18285	102											
100	L	None	No			LSAI	902	18604	169											
101	L	None	No			LS1A04	1000	13760	35											
112	L	None	No			LS1A04	Score >4	4519	5.83	LSAI	500	20055	175							
114	L	EDTA	No			LS1A04	1000	15316	73											
116	C+L	EDTA	No	16		LS1A04	1000	13097	59	LSM12		7188	50							
117	E+L	None	No	16		LS1A04	500	16729	33	LSM12	Ratio >1.6	6630	19							
119	L	EDTA	No	16		LS1A04	1000	16249	39											
120	L	EDTA	No			LS1A04	500	11517	44											
133	L	None	No		A*02:01, 02:02, 02:03, 02:05; B*57:01	LSAI		18435	229											
136	C+L	None	No			LS1A04	1000	18644	58											
139	L	EDTA	No	LS-NC016		LS1A04	1000	14670	41	LSM12		4 9608	27							
142	L	EDTA	No			LS1A04	1000	14908	34											
143	L	None	No	15		LS1A04	1000	10693	38											
145	L	None	No	NC15		LS1A04	1000	15249	53	LSM12	1.5/1.2	8311	85							
147	C+L	None	No			LS1A04	1000	15016	100	LSM12	Ratio >5	10285	83							
149	L	None	No																	
157	L	EDTA	No	15		LS1A04	1000	16856	102											
159	C+L	None	No	15		LS1A04	1500	12813	46											
160	L	Adsorption beads	No	14		LS1A04	500	10500	28											
162	L	EDTA	No			LS1A04	1000	17693	61	LSM12	3	10536	235							
163	L	EDTA	No			LS1A04	1500	11542	30											
164	L	None	No			LS1A04	1500	12395	57											
165	L		No																	
169	L	None	No			LS1A04	1000	11954	66											
181	L	None	No	82521		LS1A04	500	12284	58											
185	L	EDTA	No			LSAI	19509	173		LM1	1000	22387	88							
186	L	None	No			LS1A04	1000	10633	79	LSAI		20191	233							
190	L	EDTA	No			LS1A04	1000	15209	79											
193	L	EDTA	No			LS1A04	1000	14623	38											
194	C+L	DTT	No			LS1A04														
195	L	None	No			LS1A04	1400	16400	52											
197	L		No																	
204	L	EDTA	No	15		LS1A04	1000	14030	61											
206	L	EDTA	No	16		LS1A04	1000	13745	42											
209	L	EDTA	No			LS1A04	500	15784	31											
214	L	None	Yes		A*02:01, 02:02, 02:03, 02:05	LSAI&II	500	15528	171											
218	L	Heat Inactivation	No		A*02:01, 02:02, 02:03, 02:05, 24:03, 69:01; B*57:01, 58:01	LSAI	500	19976												
227	L	Dilution/EDTA	No																	
229	F		No		A*02:01, 23:01; B*14:02, 40:01, 57:01															
232	L	None	No	NC16		LS1A04	1200	7884	20											
235	L	DTT	No	54424		LS1PRA	1000	15176	57											
238	L	None	No			LSAI	500	20361	143											
242	L		No																	
245	L	EDTA	No			LS1A04	1000/500	13029	41											
252	L	None	No	151		LSAI	A*02:01, 02:02, 02:03, 02:05, 24:03, 69:01; B*57:01, 58:01	20566	114											
262	L	None	No			LSAI	BCb6-500	21765	424											
267	L	None	No			LSAI	1500	19491	95	LM1	1000	21875	73/463/315							
268	C+L	None	No			LSAI	1525	12975	40											
273	L	None	No			LS1A04	500	15471	33											
277	L	EDTA	No			LS1A04	>1000	14321	104	LSM12	>3	9180	35							
284	L	EDTA	No			LS1A04	500	15696	92	LSM12	2.5	12688	42							
292	L	EDTA	No	66531		LS1A04	500	5000	11	LS1PRA	500	8001	11							
293	L	None	No			LSAI	17269			LMX		17077	145							
294	C+L	None	No	LSNCOL		LSAI	1500	11625	89											
297	L	EDTA	No	016		LS1A04	1000	12080	45											
309	L	None	No			LSAI	800	19622	206											
311	L	EDTA	No			LS1A04	1500	13270	63											
315	L	EDTA	No	LSN015		LS1A04	2000	10917	24											
323	L	EDTA	No			LS1A04	1000	12878	48											
351	L	None	No			LSAI	1500	9000	100	LSAI&II	1500	9000	100							

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

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HLA specificity for assessment		B45 Present 96.3%		B13 Absent 2.4%		B64 Not Assessed 63.4%		B65 Absent 4.9%		B62 Present 92.7%		B63 Absent 1.2%		B75 Present 93.9%		B76 Present 92.7%		B77 Absent 1.2%		B38 Absent 1.2%		B39 Present 80.5%		B3901 Not Assessed 34.1%							
Lab no.	spec	tech	MFI	tech	MFI	tech	MFI	tech	MFI	tech	MFI	tech	MFI	tech	MFI	tech	MFI	tech	MFI	tech	MFI	tech	MFI	tech	MFI						
9	B45	L	2000-5000			B64	L	2000-5000	B65	L	< 2000	B62	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000			B39	L	2000-5000	B3901	L	2000-5000			
11	B45	L	< 2000			B64	L	< 2000	B65	L	< 2000	B62	L	< 2000	B75	L	< 2000	B76	L	< 2000			B39	L	< 2000						
12	B45	L	2000-5000			B64	L	< 2000				B62	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000			B39	L	2000-5000						
14	B45	L	2000-5000									B62	L	2000-5000	B75	L	< 2000	B76	L	2000-5000			B39	L	2000-5000						
15	B45	L	2000-5000			B64	L	< 2000				B62	L	2000-5000	B75	L	< 2000	B76	L	< 2000			B39	L	< 2000						
19	B45	L	2000-5000			B64	L	< 2000				B62	L	2000-5000	B75	L	< 2000	B76	L	2000-5000			B39	L	2000-5000						
20	B45	L	2000-5000									B62	L	< 2000	B75	L	< 2000	B76	L	2000-5000			B39	L	< 2000						
23	B45	L	2000-5000									B62	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000			B39	L	2000-5000	B3901	L	2000-5000			
24	B45	L	2000-5000			B64	L	< 2000				B62	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000			B39	L	2000-5000	B3901	L	2000-5000			
25	B45	L	< 2000			B64	L	< 2000				B62	L	< 2000	B75	L	< 2000	B76	L	< 2000			B39	L	< 2000						
26	B45	L	2000-5000			B64	L	< 2000				B62	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000			B39	L	2000-5000						
28	B45	L	2000-5000			B64	L	< 2000				B62	L	< 2000	B75	L	< 2000	B76	L	2000-5000			B39	L	2000-5000						
34	B45	L	< 2000									B62	L	< 2000	B75	L	< 2000	B76	L	< 2000			B39	L	< 2000	B3901	L	< 2000			
35	B45	L	2000-5000									B62	L	< 2000	B75	L	< 2000	B76	L	< 2000			B39	L	< 2000						
38	B45	L	2000-5000			B64	L	< 2000				B62	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000			B39	L	< 2000						
39	B45	L	> 5000			B64	L	2000-5000				B62	L	> 5000	B75	L	> 5000	B76	L	> 5000			B39	L	< 2000						
41	B45	L	2000-5000			B64	L	2000-5000				B62	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000			B39	L	2000-5000						
42	B45	L	< 2000			B64	L	< 2000				B62	L	< 2000	B75	L	< 2000	B76	L	< 2000			B39	L	< 2000						
45	B45	L	2000-5000			B64	L	2000-5000				B62	L	2000-5000	B75	L	< 2000	B76	L	2000-5000			B39	L	2000-5000	B3901	L	2000-5000			
48	B45	L	2000-5000			B64	L	2000-5000				B62	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000			B39	L	2000-5000	B3901	L	2000-5000			
51	B45	L	2000-5000			B64	L	< 2000				B62	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000			B39	L	2000-5000						
54	B45	L	2000-5000			B64	L	< 2000				B62	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000			B39	L	2000-5000	B3901	L	2000-5000			
58	B45	L	2000-5000			B64	L	< 2000				B62	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000			B39	L	2000-5000						
62	B45	L	2000-5000						B65	L	< 2000	B62	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000			B39	L	2000-5000						
100	B45	L	< 2000									B62	L	< 2000	B75	L	< 2000	B76	L	< 2000			B39	L	< 2000						
101	B45	L	2000-5000			B64	L	< 2000				B62	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000			B39	L	< 2000	B3901	L	< 2000			
112	B45	L	< 2000			B64	L	< 2000				B62	L	< 2000	B75	L	< 2000	B76	L	< 2000			B39	L	< 2000						
114	B45	L	< 2000			B64	L	< 2000				B62	L	< 2000	B75	L	< 2000	B76	L	< 2000			B39	L	< 2000	B3901	L	< 2000			
116	B45	L	2000-5000			B64	L	< 2000				B62	L	2000-5000	B75	L	< 2000	B76	L	2000-5000			B39	L	2000-5000	B3901	L	2000-5000			
117	B45	E+L	< 2000			B62	E+L	< 2000				B62	E+L	< 2000	B75	L	< 2000	B76	L	< 2000			B39	L	< 2000						
119	B45	L	2000-5000			B64	L	< 2000				B62	L	2000-5000	B75	L	< 2000	B76	L	2000-5000			B39	L	< 2000	B3901	L	2000-5000			
120	B45	L	2000-5000			B64	L	< 2000				B62	L	< 2000	B75	L	< 2000	B76	L	< 2000			B39	L	< 2000						
133	B45	L	< 2000									B62	L	< 2000	B75	L	< 2000	B76	L	< 2000			B39	L	< 2000	B3901	L	< 2000			
136	B45	L	2000-5000			B64	L	< 2000				B62	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000			B39	L	2000-5000	B3901	L	2000-5000			
139	B45	L	< 2000									B62	L	< 2000	B75	L	< 2000	B76	L	< 2000			B39	L	< 2000	B3901	L	< 2000			
142	B45	L	2000-5000									B62	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000			B39	L	2000-5000						
143	B45	L	2000-5000			B64	L	2000-5000				B62	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000			B39	L	2000-5000						
145	B45	L	2000-5000			B64	L	< 2000				B62	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000			B39	L	2000-5000	B3901	L	2000-5000			
147	B45	L	2000-5000			B64	L	2000-5000				B62	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000			B39	L	2000-5000						
149	B45	L	< 2000			B64	L	< 2000				B62	L	< 2000	B75	L	< 2000	B76	L	< 2000			B39	L	< 2000						
157	B45	L	2000-5000			B64	L	< 2000				B62	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000			B39	L	2000-5000						
159	B45	L	2000-5000			B64	L	< 2000				B62	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000			B39	L	2000-5000						
160	B45	L	2000-5000			B64	L	< 2000				B62	L	2000-5000	B75	L	< 2000	B76	L	2000-5000			B39	L	2000-5000						
162	B45	L	2000-5000			B64	L	< 2000				B62	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000			B39	L	2000-5000						
163	B45	L	< 2000									B62	L	< 2000	B75	L	< 2000	B76	L	< 2000			B39	L	< 2000						
164	B45	L	2000-5000			B64	L	< 2000				B62	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000			B39	L	2000-5000						
165	B45	L	2000-5000									B62	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000			B39	L	2000-5000						
169	B45	L	2000-5000	B13	L	< 2000			B65	L	< 2000	B62	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000	B77	L	2000-5000			B39	L	2000-5000	B3901	L	< 2000
181	B45	L	2000-5000			B64	L	< 2000				B62	L	< 2000	B75	L	< 2000	B76	L	< 2000			B39	L	< 2000	B3901	L	< 2000			
185	B45	L	< 2000			B64	L	< 2000				B62	L	< 2000	B75	L	< 2000	B76	L	< 2000			B39	L	< 2000	B3901	L	< 2000			
186	B45	L	< 2000			B64	L	< 2000				B62	L	< 2000	B75	L	< 2000	B76	L	< 2000			B39	L	< 2000						
190	B45	L	2000-5000			B64	L	< 2000				B62	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000			B39	L	2000-5000	B3901	L	2000-5000			
193	B45	L	2000-5000			B64	L	< 2000				B62	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000			B39	L	2000-5000						
194	B45	L	2000-5000			B64	L	< 2000				B62	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000			B39	L	2000-5000	B3901	L	2000-5000			
195	B45	L	2000-5000			B64	L	< 2000				B62	L	2000-5000	B75	L	2000-5000	B76	L	2000-5000			B39	L	2000-5000						
197	B45	L	< 2000									B62	L	< 2000	B75	L	< 2000	B76	L	< 2000			B39	L	< 2000						
204	B45	L	2000-5000		</																										

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HLA specificity for assessment		B41 Present 95.1%		B42 Present 87.8%		B46 Absent 3.7%		B47 Absent 1.2%		B48 Present 85.4%		B53 Absent 1.2%		B67 Present 92.7%		B71 Present 92.7%		B72 Present 96.3%		B73 Absent 2.4%		B78 Present 90.2%		B81 Present 85.4%														
Consensus % reported	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	B41	L		2000-5000	B42	L		2000-5000	B46	L		< 2000			B67	L		2000-5000	B71	L		2000-5000	B72	L		2000-5000	B73	L		< 2000	B78	L		2000-5000	B81	L		2000-5000
11	B41	L		< 2000	B42	L		< 2000			B48	L		< 2000	B67	L		< 2000	B71	L		< 2000	B72	L		< 2000			B78	L		2000-5000	B81	L		< 2000		
12	B41	L		2000-5000	B42	L		2000-5000			B48	L		2000-5000	B67	L		2000-5000	B71	L		2000-5000	B72	L		2000-5000			B78	L		2000-5000	B81	L		2000-5000		
14	B41	L		2000-5000	B42	L		< 2000			B48	L		< 2000	B67	L		< 2000	B71	L		2000-5000	B72	L		2000-5000			B78	L		< 2000	B81	L		< 2000		
15	B41	L		2000-5000	B42	L		< 2000			B48	L		< 2000	B67	L		< 2000	B71	L		2000-5000	B72	L		2000-5000			B78	L		< 2000	B81	L		< 2000		
19	B41	L		2000-5000	B42	L		< 2000			B48	L		2000-5000	B67	L		< 2000	B71	L		2000-5000	B72	L		2000-5000			B78	L		< 2000	B81	L		< 2000		
20	B41	L		2000-5000	B42	L		< 2000			B48	L		< 2000	B67	L		< 2000	B71	L		2000-5000	B72	L		2000-5000			B78	L		< 2000	B81	L		< 2000		
23	B41	L		2000-5000	B42	L		2000-5000			B48	L		2000-5000	B67	L		2000-5000	B71	L		2000-5000	B72	L		2000-5000			B78	L		2000-5000	B81	L		< 2000		
24	B41	L		2000-5000	B42	L		< 2000			B48	L		< 2000	B67	L		2000-5000	B71	L		2000-5000	B72	L		2000-5000			B78	L		< 2000	B81	L		< 2000		
25	B41	L		< 2000	B42	L		< 2000			B48	L		< 2000	B67	L		< 2000	B71	L		< 2000	B72	L		< 2000			B78	L		< 2000	B81	L		< 2000		
26	B41	L		2000-5000	B42	L		2000-5000			B48	L		2000-5000	B67	L		2000-5000	B71	L		2000-5000	B72	L		2000-5000			B78	L		2000-5000	B81	L		2000-5000		
28	B41	L		2000-5000	B42	L		2000-5000			B48	L		2000-5000	B67	L		2000-5000	B71	L		2000-5000	B72	L		2000-5000			B78	L		< 2000	B81	L		< 2000		
34	B41	L		< 2000	B42	L		< 2000			B48	L		< 2000	B67	L		< 2000	B71	L		< 2000	B72	L		< 2000			B78	L		< 2000	B81	L		< 2000		
35	B41	L		< 2000	B42	L		< 2000			B48	L		< 2000	B67	L		< 2000	B71	L		< 2000	B72	L		2000-5000			B78	L		< 2000	B81	L		< 2000		
38	B41	L		2000-5000	B42	L		< 2000			B48	L		2000-5000	B67	L		2000-5000	B71	L		2000-5000	B72	L		2000-5000			B78	L		< 2000	B81	L		< 2000		
39	B41	L		> 5000	B42	L		2000-5000			B48	L		> 5000	B67	L		> 5000	B71	L		> 5000	B72	L		> 5000			B78	L		2000-5000	B81	L		2000-5000		
41	B41	L		2000-5000	B42	L		2000-5000			B48	L		2000-5000	B67	L		2000-5000	B71	L		2000-5000	B72	L		2000-5000			B78	L		2000-5000	B81	L		2000-5000		
42	B41	L		< 2000	B42	L		< 2000			B48	L		< 2000	B67	L		< 2000	B71	L		< 2000	B72	L		< 2000			B78	L		< 2000	B81	L		< 2000		
45	B41	L		2000-5000	B42	L		< 2000			B48	L		< 2000	B67	L		< 2000	B71	L		< 2000	B72	L		< 2000			B78	L		< 2000	B81	L		< 2000		
46	B41	L		2000-5000	B42	L		2000-5000			B48	L		2000-5000	B67	L		2000-5000	B71	L		2000-5000	B72	L		2000-5000			B78	L		2000-5000	B81	L		2000-5000		
51	B41	L		2000-5000	B42	L		2000-5000			B48	L		2000-5000	B67	L		2000-5000	B71	L		2000-5000	B72	L		2000-5000			B78	L		< 2000	B81	L		< 2000		
54	B41	L		2000-5000	B42	L		2000-5000			B48	L		2000-5000	B67	L		2000-5000	B71	L		2000-5000	B72	L		2000-5000			B78	L		< 2000	B81	L		< 2000		
58	B41	L		2000-5000	B42	L		2000-5000	B46	L		< 2000			B67	L		2000-5000	B71	L		2000-5000	B72	L		2000-5000	B73	L		< 2000	B78	L		2000-5000	B81	L		2000-5000
62	B41	L		2000-5000	B42	L		< 2000			B48	L		< 2000	B67	L		< 2000	B71	L		2000-5000	B72	L		2000-5000			B78	L		< 2000	B81	L		< 2000		
100	B41	L		< 2000	B42	L		< 2000			B48	L		< 2000	B67	L		< 2000	B71	L		< 2000	B72	L		< 2000			B78	L		< 2000	B81	L		< 2000		
101	B41	L		2000-5000	B42	L		< 2000			B48	L		< 2000	B67	L		< 2000	B71	L		2000-5000	B72	L		2000-5000			B78	L		< 2000	B81	L		< 2000		
112	B41	L		< 2000	B42	L		< 2000			B48	L		< 2000	B67	L		< 2000	B71	L		< 2000	B72	L		< 2000			B78	L		< 2000	B81	L		< 2000		
114	B41	L		< 2000	B42	L		< 2000			B48	L		< 2000	B67	L		< 2000	B71	L		< 2000	B72	L		< 2000			B78	L		< 2000	B81	L		< 2000		
116	B41	L		2000-5000	B42	L		< 2000			B48	L		2000-5000	B67	L		2000-5000	B71	L		2000-5000	B72	L		2000-5000			B78	L		< 2000	B81	L		< 2000		
117	B41	E+L		< 2000	B42	L		< 2000, 2000-5000			B48	L		< 2000	B67	E+L		< 2000	B71	L		< 2000	B72	E+L		< 2000			B78	L		< 2000	B81	L		E+L		
119	B41	L		2000-5000	B42	L		2000-5000			B48	L		2000-5000	B67	L		2000-5000	B71	L		2000-5000	B72	L		2000-5000			B78	L		2000-5000	B81	L		< 2000		
120	B41	L		< 2000	B42	L		< 2000			B48	L		< 2000	B67	L		< 2000	B71	L		2000-5000	B72	L		2000-5000			B78	L		< 2000	B81	L		< 2000		
133																																						
136	B41	L		2000-5000	B42	L		2000-5000			B48	L		2000-5000	B67	L		2000-5000	B71	L		2000-5000	B72	L		2000-5000			B78	L		2000-5000	B81	L		< 2000		
139	B41	L		< 2000	B42	L		< 2000			B48	L		< 2000	B67	L		< 2000	B71	L		< 2000	B72	L		< 2000			B78	L		< 2000	B81	L		< 2000		
142	B41	L		2000-5000	B42	L		< 2000			B48	L		< 2000	B67	L		2000-5000	B71	L		2000-5000	B72	L		2000-5000			B78	L		< 2000	B81	L		< 2000		
143	B41	L		2000-5000	B42	L		2000-5000			B48	L		2000-5000	B67	L		2000-5000	B71	L		2000-5000	B72	L		2000-5000			B78	L		2000-5000	B81	L		2000-5000		
145	B41	L		2000-5000	B42	L		< 2000			B48	L		2000-5000	B67	L		2000-5000	B71	L		2000-5000	B72	L		2000-5000			B78	L		< 2000	B81	L		< 2000		
147	B41	L		2000-5000	B42	L		2000-5000			B48	L		2000-5000	B67	L		2000-5000	B71	L		2000-5000	B72	L		2000-5000			B78	L		2000-5000	B81	L		2000-5000		
149	B41	L		2000-5000	B42	L		< 2000			B48	L		< 2000	B67	L		< 2000	B71	L		< 2000	B72	L		< 2000			B78	L		< 2000	B81	L		< 2000		
157	B41	L		2000-5000	B42	L		2000-5000			B48	L		2000-5000	B67	L		2000-5000	B71	L		2000-5000	B72	L		2000-5000			B78	L		2000-5000	B81	L		< 2000		
159	B41	L		2000-5000	B42	L		2000-5000			B48	L		2000-5000	B67	L		2000-5000	B71	L		2000-5000	B72	L		2000-5000			B78	L		< 2000	B81	L		< 2000		
160	B41	L		2000-5000	B42	L		< 2000			B48	L		< 2000	B67	L		2000-5000	B71	L		2000-5000	B72	L		2000-5000			B78	L		< 2000	B81	L		< 2000		
162	B41	L		2000-5000	B42	L		2000-5000			B48	L		2000-5000	B67	L		2000-5000	B71	L		2000-5000	B72	L		2000-5000			B78	L		2000-5000	B81	L		2000-5000		
163	B41	L		< 2000	B42	L		< 2000			B48	L		< 2000	B67	L		< 2000	B71	L		< 2000	B72	L		< 2000			B78	L		<						

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HLA specificity for assessment																			
Consensus % reported	B22 Not Assessed 57.3%			Cw9 Not Assessed 13.4%			Cw10 Not Assessed 12.2%			Cw8 Absent 1.2%		Cw12 Absent 1.2%		Cw14 Absent 1.2%					
	Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI			
9	B22	L		2000-5000	Cw9	L	< 2000	Cw10	L	< 2000									
11	B22	L		< 2000															
12	B22	L		< 2000	Cw9	L	< 2000												
14																			
15	B22	L		< 2000				Cw10	L	< 2000									
19	B22	L		< 2000															
20																			
23																			
24																			
25	B22	L		< 2000															
26	B22	L		2000-5000	Cw9	L	< 2000	Cw10	L	< 2000									
28	B22	L		< 2000															
34																			
35																			
38	B22	L		< 2000															
39	B22	L		2000-5000	Cw9	L	2000-5000	Cw10	L	2000-5000									
41																			
42	B22	L		< 2000															
45	B22	L		< 2000															
48	B22	L		2000-5000															
51	B22	L		< 2000, 2000-5000	Cw9	L	< 2000	Cw10	L	< 2000									
54	B22	L		< 2000															
58	B22	L		< 2000															
62																			
100																			
101	B22	L		< 2000															
112	B22	L		< 2000	Cw9	L	< 2000	Cw10	L	< 2000									
114	B22	L		< 2000															
116	B22	L		< 2000															
117																			
119	B22	L		< 2000															
120	B22	L		< 2000															
133																			
136	B22	L		< 2000															
139																			
142																			
143																			
145																			
147	B22	L		< 2000															
149																			
157	B22	L		< 2000															
159																			
160	B22	L		< 2000															
162	B22	L		< 2000															
163																			
164																			
165																			
169	B22	L		< 2000	Cw9	L	< 2000												
181	B22	L		< 2000															
185	B22	L		< 2000															
186	B22	L		< 2000															
190	B22	L		< 2000															
193																			
194	B22	L		< 2000	Cw9	L	< 2000	Cw10	L	< 2000									
195																			
197																			
204	B22	L		< 2000															
206																			
209	B22	L		< 2000															
214																			
218																			
227	B22	L		< 2000	Cw9	L	< 2000	Cw10	L	< 2000									
229																			
232																			
235	B22	L		2000-5000							Cw8	L	< 2000	Cw12	L	2000-5000	Cw14	L	> 5000
238	B22	L		< 2000															
242	NT	NT		NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
245																			
252																			
262																			
267	B22	L		2000-5000															
268																			
273	B22	L		< 2000	Cw9	L	< 2000	Cw10	L	< 2000									
277	B22	L		< 2000															
284	B22	L		< 2000															
292	B22	L		< 2000	Cw9	L	< 2000	Cw10	L	< 2000									
293																			
294	B22	L		< 2000															
297	B22	L		2000-5000															
303	B22	L		< 2000															
309	B22	L		< 2000															
311																			
315																			
323																			
351																			

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

47	< 2000			11	< 2000			10	< 2000			1	< 2000			1	< 2000		
82	39			82	10			82	9			82	0			82	0		
	2000-5000				2000-5000				2000-5000				2000-5000				2000-5000		
	7				1				1				1				0		
	> 5000				> 5000				> 5000				> 5000				> 5000		
	0				0				0				0				1		

NEQ-119

Issue 2

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Effective Date 13/10/16

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HLA specificity for assessment																																				
Lab no.	B703 Not Assessed 8.2%			B8 Not Assessed 15.9%			B13 Present 8.8%			B64 Absent 1.2%			B62 Absent 1.2%			B63 Not Assessed 14.6%			B75 Absent 1.2%			B76 Absent 1.2%			B57 Present 8.0%			B58 Not Assessed 67.1%			B18 Absent 1.2%			B49 Not Assessed 12.2%		
	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				B8	L	< 2000	B13	L	> 5000																B57	L	> 5000	B58	L	> 5000			B49	L	< 2000	
11							B13	L	> 5000																B57	L	< 2000	B58	L	< 2000						
12							B13	L	> 5000																B57	L	2000-5000	B58	L	< 2000						
14							B13	L	> 5000																B57	L	2000-5000	B58	L	< 2000						
15							B13	L	> 5000																B57	L	2000-5000	B58	L	< 2000						
19							B13	L	> 5000																B57	L	< 2000	B58	L	< 2000						
20							B13	L	> 5000																B57	L	> 5000	B58	L	< 2000						
23							B13	L	> 5000																B57	L	2000-5000	B58	L	< 2000						
24							B13	L	> 5000																B57	L	< 2000	B58	L	< 2000						
25							B13	L	> 5000																B57	L	< 2000	B58	L	< 2000						
26							B13	L	> 5000																B57	L	< 2000	B58	L	< 2000						
28							B13	L	> 5000																B57	L	2000-5000	B58	L	< 2000			B49	L	< 2000	
34							B13	L	> 5000																B57	L	< 2000	B58	L	< 2000						
35							B13	L	> 5000																B57	L	< 2000	B58	L	< 2000						
38							B13	L	> 5000																B57	L	2000-5000	B58	L	< 2000						
39							B13	L	> 5000																B57	L	2000-5000	B58	L	2000-5000						
41							B13	L	> 5000																B57	L	2000-5000	B58	L	< 2000						
42				B8	L	< 2000	B13	L	> 5000																B57	L	< 2000	B58	L	< 2000				B49	L	< 2000
45							B13	L	> 5000																B57	L	< 2000	B58	L	< 2000						
48							B13	L	> 5000																B57	L	< 2000	B58	L	< 2000						
51							B13	L	> 5000																B57	L	2000-5000	B58	L	< 2000						
54				B8	L	< 2000	B13	L	> 5000																B57	L	2000-5000	B58	L	2000-5000				B49	L	< 2000
58							B13	L	> 5000																B57	L	< 2000	B58	L	< 2000						
62							B13	L	> 5000																B57	L	< 2000	B58	L	< 2000						
100	B703	L	> 5000				B13	L	2000-5000																B57	L	< 2000	B58	L	< 2000						
101							B13	L	> 5000																B57	L	2000-5000	B58	L	< 2000						
112	B703	L	> 5000				B13	L	2000-5000																B57	L	< 2000	B58	L	< 2000						
114							B13	L	> 5000																B57	L	2000-5000	B58	L	< 2000						
116							B13	L	> 5000																B57	L	2000-5000	B58	L	< 2000						
117							B13	L	> 5000																B57	L	< 2000	B58	L	< 2000						
119							B13	L	> 5000																B57	L	< 2000, 2000-5000	B58	L	< 2000						
120							B13	L	> 5000																B57	L	< 2000	B58	L	< 2000						
133	B703	L	> 5000				B13	L	< 2000																B57	L	< 2000	B58	L	< 2000						
136							B13	L	> 5000																B57	L	2000-5000	B58	L	< 2000						
139							B13	L	> 5000																B57	L	< 2000	B58	L	< 2000						
142							B13	L	> 5000																B57	L	< 2000	B58	L	< 2000						
143							B13	L	> 5000																B57	L	< 2000	B58	L	< 2000						
145							B13	L	2000-5000, > 5000																B57	L	< 2000	B58	L	< 2000						
147							B13	L	> 5000																B57	L	< 2000	B58	L	< 2000						
149							B13	L	> 5000																B57	L	< 2000	B58	L	< 2000						
157							B13	L	> 5000																B57	L	2000-5000	B58	L	< 2000						
159							B13	L	> 5000																B57	L	< 2000	B58	L	< 2000						
160				B8	L	< 2000	B13	L	> 5000																B57	L	< 2000	B58	L	< 2000				B49	L	< 2000
162							B13	L	> 5000																B57	L	2000-5000	B58	L	< 2000						
163							B13	L	> 5000																B57	L	< 2000	B58	L	< 2000						
164							B13	L	> 5000																B57	L	< 2000	B58	L	< 2000						
165																																				
168				B8	L	> 5000	B13	L	> 5000	B64	L	> 5000													B57	L	2000-5000	B58	L	2000-5000	B18	L	< 2000			
191							B13	L	> 5000																B57	L	< 2000	B58	L	< 2000						
185				B8	L	< 2000	B13	L	> 5000																B57	L	< 2000	B58	L	< 2000						
186							B13	L	> 5000																B57	L	2000-5000	B58	L	< 2000						
190							B13	L	> 5000																B57	L	2000-5000	B58	L	< 2000						
193							B13	L	> 5000																B57	L	< 2000	B58	L	< 2000						
194							B13	L	> 5000																B57	L	2000-5000	B58	L	< 2000						
195							B13	L	> 5000																B57	L	2000-5000	B58	L	< 2000						
197							B13	L	> 5000																B57	L	2000-5000	B58	L	< 2000						
204							B13	L	> 5000																B57	L	2000-5000	B58	L	< 2000						
206							B13	L	> 5000																B57	L	< 2000	B58	L	< 2000						
209							B13	L	> 5000																B57	L	2000-5000	B58	L	< 2000						
214							B13	L	> 5000																B57	L	< 2000	B58	L	<						

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HLA specificity for assessment		B48		B59		B67		B71		B72		B73		B78		B81		B82		Cw1		Cw2		Cw7		Cw14					
Consensus	Present	Absent		Absent		Present		Absent		Absent		Present		Absent		Present		Present		Not Assessed		Not Assessed		Absent		Not Assessed					
% reacted	95.1%	2.4%	2.4%	2.4%	2.4%	98.8%	98.8%	1.2%	1.2%	1.2%	1.2%	98.8%	98.8%	2.4%	2.4%	98.8%	98.8%	23.2%	23.2%	61.2%	61.2%	2.4%	2.4%	18.3%	18.3%	18.3%	18.3%				
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	
9	B48	L	> 5000	B59	L	< 2000	B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000	Cw1	L	2000-5000	Cw2	L	2000-5000	Cw14	L	< 2000
11	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	2000-5000									
12	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000	Cw14	L	< 2000
14	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000									
15	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000			
19	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000									
20	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000	Cw14	L	< 2000
23	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	2000-5000	B82	L	< 2000									
24	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000									
25	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	2000-5000									
26	B48	L	> 5000				B67	L	> 5000			B73	L	2000-5000	B78	L	B81	L	> 5000	B82	L	2000-5000									
28	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000									
34	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	2000-5000	Cw1	L	< 2000	Cw2	L	< 2000	Cw14	L	< 2000
35	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000									
38	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000									
39	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000			
41	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000									
42	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	< 2000	Cw14	L	< 2000
45	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000									
48	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000									
51	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	< 2000	Cw14	L	< 2000
54	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000	Cw14	L	< 2000
58	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	2000-5000									
62	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000									
100	B48	L	< 2000				B67	L	2000-5000			B73	L	2000-5000			B81	L	2000-5000	B82	L	2000-5000									
101	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000									
112	B48	L	2000-5000				B67	L	2000-5000			B73	L	2000-5000			B81	L	> 5000	B82	L	2000-5000									
114	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000									
116	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000									
117	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000	Cw1	E+L	< 2000	Cw2	L	< 2000	Cw14	L	< 2000
119	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000									
120	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000									
133	B48	L	> 5000				B67	L	2000-5000			B73	L	2000-5000			B81	L	> 5000	B82	L	< 2000									
136	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	< 2000	Cw14	L	< 2000
139	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	2000-5000									
142	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	2000-5000									
143	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000									
145	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000									
147	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000									
149	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000									
157	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000									
159	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	2000-5000									
160	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000									
162	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000									
163	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	2000-5000									
164	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000									
165	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000	Cw14	L	< 2000
181	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	< 2000	Cw14	L	< 2000
185	B48	L	< 2000				B67	L	2000-5000			B73	L	2000-5000			B81	L	> 5000	B82	L	2000-5000									
186	B48	L	2000-5000				B67	L	> 5000			B73	L	2000-5000			B81	L	> 5000	B82	L	2000-5000									
190	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000	Cw7	L	< 2000
193	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000									
194	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000	Cw7	L	< 2000
195	B48	L	> 5000				B67	L	> 5000			B73	L	> 5000			B81	L	> 5000	B82	L	> 5000									

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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 3 10/2016

DESPATCHED ON 28th JUNE 2016

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	Dilution	Yes		LS1A04	1000	12737	112.79												
11	L	None	No	NC16	LS1A04	1000	1000	10466	27 LSM12	2.5	10810	5545	10							
12	L	EDTA	No	16	LS1A04	1000	16840	128	LSM12	3		40								
14	L	Heat Inactivation, EDTA	No	16	LS1A04	1000	19174	23												
15	L	None	No																	
19	L	None	No	A*34:02	LS1A04	1000	18117	20												
20	C+L	EDTA	No	15	LS1A04	1000	14178	113												
23	L	EDTA	No	16	LS1A04	1000	10788	13.59												
24	L	EDTA	No	15	A*34:02, 66:02	LS1A04	1000	15279	34	LSM12	4.5	9606	34	LSIPRA	1000	17571	102 LSAI	1500/3/4	21124	167
25	L	EDTA	No	15	A*34:02	LS1A04	1000	13382	48	LSM12	6.1	12673	20.97	LSAI	1500	21358	309			
26	L	None	No	A*66:02																
28	L	None	No	101207	LS1A04	500	10140	112												
34	L	EDTA	No	NC15-009	LS1A04	897	16721	14												
35	L	EDTA	No	15	LS1A04	1000	19411	6												
38	L	EDTA	No	15	LS1A04	1000	18202	28	LSAI	568	20860	154								
39	L	None	No	LS-NC015	LS1A04	1100	18373	25												
41	L	None	No	15	A*34:02, 66:02	LS1A04	2000	13481	41											
42	L	EDTA	No	16	A*66:02	LS1A04	500	11439	58											
45	L	EDTA	No	16	A*34:02	LS1A04	1500	11989	64											
48	L	Heat Inactivation	No	22																
51	L	EDTA	No		LS1A04	700	18304	24												
54	L	EDTA	No	15	LS1A04	750	14628	177	LSM12	350										
58	L	EDTA	15		LS1A04	1000	11854	62	LSM12	3	2931	4								
62	L	None	No	009-00	A*34:02, 66:02	LSAI	1500	16950	76.54											
100	L	None	No		LSAI	1008	19397	117												
101	L	None	No	A*34:02	LSAI	1008	13996	38												
112	L	None	No	A*66:02	LS1A04	Score >4	4519	5.83	LSAI	500	20090	171								
114	L	EDTA	No	A*34:02	LS1A04	1000	14440	60												
116	C	EDTA	No	16	A*34:02	LS1A04	1000	13206	24	LSM12		7745	81							
117	E+L	None	No	16	A*66:02	LS1A04	500	16281	41											
119	L	EDTA	No	16	A*34:02	LS1A04	1000	16634	43											
120	L	EDTA	No		A*34:02	LS1A04	500	11190	44	LSM12	Ratio >1.6	6418	15							
133	L	None	No	A*01:01, 03:01, 11:01, 11:02, 24:02, 24:03, 25:01, 29:02, 30:01, 31:01, 32:01, 34:02, 36:01, 66:02, 74:01, 80:01; B*07:02, 07:03, 13:02, 27:03, 27:05, 27:08, 40:01, 42:01, 47:01, 54:01, 55:01, 56:01, 57:01, 58:01, 67:01, 73:01, 81:01, 82:02	LSAI		19150	230												
136	C+L	None	No	A*34:02	LS1A04	1000	18553	42												
139	L	EDTA	No	LS-NC016	LS1A04	1000	13394	28	36 LSM12	4	8915	25								
142	L	EDTA	No	A*34:02, 66:02	LS1A04	1000	13372	28												
143	L	None	No	15	LS1A04	1000	10441	50												
145	L	None	No	NC15	LS1A04	1000	14551	98	LSM12	1.5/1.2	8255	155								
147	C+L	EDTA	No	A*34:01, 34:02, 66:01, 66:02	LS1A04	1000	13361	118	LSM12	RateCo >5	8678	40								
149	L	EDTA	No	15	A*34:02															
157	L	EDTA	No	15	A*34:02	LS1A04	1000	15788	64											
159	C+L	None	No	15	LS1A04	1500	13040	29												
160	L	Adsorption beads	No	14	LS1A04	500	11200	33												
162	L	EDTA	No	A*34:02, 66:02	LS1A04	1000	17179	45	LSM12	3	9282	50								
163	L	EDTA	No		LS1A04	1500	12965	154												
164	L	None	No		LS1A04	1500	10759	87												
165	L	None	Yes	A*68:01	LS1A04	1000	8896	186												
181	L	None	No	82521	LS1A04	500	12402	55												
185	L	EDTA	No	A*66:02	LSAI	20912	138		LM1	1000	21129	60								
186	L	EDTA	No		LS1A04	1000	6399	46	LSAI	1000	20396	284								
190	L	EDTA	No		LS1A04	1000	14196	78												
193	L	EDTA	No		LS1A04	1000	14717	28												
194	C+L	DTT	No		LS1A04	1400	15800	33												
195	L	None	No		LS1A04	1400	15800	33												
197	L	EDTA	No	15	A*34:02, 66:02	LS1A04	1000	14079	36											
204	L	EDTA	No	16	LS1A04	1000	12724	43												
209	L	EDTA	No	A*34:02	LS1A04	500	15083	26												
214	L	None	Yes	A*01:01, 03:01, 11:01, 11:02, 32:01, 36:01, 66:02, 74:01, 80:01; B*07:02, 27:05, 27:08, 55:01, 57:01, 67:01, 73:01	LSA&II	500	16941	202												
218	L	Heat Inactivation	No	A*01:01, 03:01, 11:01, 11:02, 24:02, 24:03, 30:01, 31:01, 32:01, 36:01, 66:02, 74:01, 80:01; B*07:02, 07:03, 13:02, 27:03, 27:05, 27:08, 40:01/B60, 40:02/B61, 42:01, 47:01, 49:01, 55:01, 56:01, 58:01, 67:01, 73:01, 81:01, 82:02	LSAI		18832													
227	L	Dilution/EDTA	No																	
229	F	F	No	A*01:01, 03:01, 11:01, 23:01, 24:02, 25:01, 26:01, 29:02, 30:01, 31:01, 32:01, 33:01; B*07:02, 08:01, 13:01, 14:02, 27:05, 49:01, 55:01, 57:01																
232	L	None	No	NC16	LS1A04	1200	8102	28												
235	L	DTT	Yes	54424	LSIPRA	1000	11817	38.2												
238	L	None	No	Only A*66:02 positive (66:01 negative). We used a new lot; discordant result for A25 and A34 (weak MFI)	LSAI	500	20565	142												
242	L	EDTA	No		LS1A04	1000/500	16145	41												
245	L	EDTA	No	151	ADBCR-5	20770	141													
252	L	EDTA	Yes		LSAI	BCM>500	21543	529												
262	L	EDTA	No	A*34:02, 66:02	LSAI	1500	19838	197	LM1	1000	21183	57/59/93								
268	C	None	No	A*34:02, 66:02	LS1A04	1678	12440	44												
273	L	EDTA	No	A*34:02	LS1A04	500	14687	31												
277	L	EDTA	No	A*34:02	LS1A04	>1000	13979	39.68	LSM12	>3	8839	25								
284	L	EDTA	No	A*34:02	LS1A04	500	17000	62	LSM12	2.5	12729	489								
292	L	EDTA, Adsorption beads	Yes	66531	LS1A04	500	8491	11	LSIPRA	500	16389	66/152								
293	L	None	No		LSAI	17500	10346	17	LMX											
294	C	EDTA	No	LSNCOL	LS1A04	1500	14992	60												
303	L	EDTA	No	016	LS1A04	1000	10478	35												
309	L	None	No	A*66:02	LSAI	700	19546	118												
311	L	EDTA	No	LSNC015	LS1A04	1500	11193	107												
315	L	EDTA	No	Creg B7	LS1A04	2000	10346	17												
323	L	EDTA	No	A*34:02, 66:02	LS1A04	1000	12686	31												
351	L	EDTA	No		LSAI	1500	9060	100	LSA&II	1500	9000	100								

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