

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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 301/2017

DESPATCHED ON 24TH JANUARY 2017

HLA specificity for assessment

Constr	A69 Absent 2.8%	A36 Present 94.4%			A43 Present 93.0%			A80 Present 93.0%			B52 Absent 2.8%		B8 Present 93.0%			B44 Not Assessed 73.2%		B45 Present 79.9%			
		Lab n	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec
9		A36	L	> 5000	A43	L	> 5000					B8	L	2000-5000	B44	L	2000-5000	B45	L	2000-5000	
11		A36	L	2000-5000	A43	L	2000-5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
12	A69	L	< 2000	A36	L	> 5000	A43	L	> 5000	A80	L	> 5000	B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000
14		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000		B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	
15		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
19		A36	L	2000-5000	A43	L	2000-5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
20		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
23		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000		B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	
24		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
25		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
26		A36	L	2000-5000	A43	L	2000-5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
28		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
34		A36	L	2000-5000	A43	L	2000-5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
35		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
38		A36	L	< 2000	A43	L	2000-5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
39		A36	L	2000-5000	A43	L	2000-5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
41		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000				B45	L	2000-5000	
42		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
45		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
48		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000		B8	L	> 5000	B44	L	2000-5000	B45	L	< 2000	
51		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	2000-5000	
54		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000		B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	
58		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000		B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	
62		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000		B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	
100		A36	L	< 2000	A43	L	< 2000	A80	L	2000-5000		B8	L	< 2000				B45	L	2000-5000	
112		A36	L	2000-5000	A43	L	2000-5000	A80	L	2000-5000		B8	L	< 2000	B44	L	< 2000	B45	L	< 2000	
114		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000		B8	L	> 5000	B44	L	< 2000	B45	L	2000-5000	
116		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
117		A36	L	2000-5000	A43	L	> 5000	A80	E,L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
119		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000		B8	L	> 5000	B44	L	< 2000	B45	L	< 2000	
120		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
133		A36	L	< 2000	A43	L	< 2000	A80	L	> 5000		B8	L	< 2000				B45	L	< 2000	
136		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
142		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
143		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000		B8	L	> 5000	B44	L	2000-5000	B45	L	< 2000	
145		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000		B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	
147		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
149		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
157		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000		B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	
160		A36	L	2000-5000	A43	L	2000-5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
162		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
164		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000	B44	L	2000-5000	B45	L	2000-5000	
165		A36	F, E, L	> 5000	A43	F, L	> 5000	A80	F, E, L	> 5000		B8	F, L	2000-5000	B44	F, L	< 2000	B45	F, L	< 2000	
169		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
181		A36	L	2000-5000	A43	L	2000-5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
185		A36	L	2000-5000	A43	L	2000-5000	A80	L	> 5000		B8	L	< 2000	B44	L	< 2000	B45	L	< 2000	
195		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000				B45	L	2000-5000	
197		A36	L	< 2000	A43	L	> 5000	A80	L	2000-5000		B8	L	> 5000	B44	L	< 2000	B45	L	2000-5000	
204		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000		B8	L	> 5000	B44	L	< 2000	B45	L	< 2000	
206		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
209		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	2000-5000	
214		A36	L		A43	L	< 2000					B8	L	2000-5000	B44	L	< 2000	B45	L	2000-5000	
216		A36	L	< 2000	A43	L	2000-5000	A80	L	2000-5000		B8	L	< 2000				B45	L	2000-5000	
222		A36	L	> 5000	A43	L	> 5000	A80	F	> 5000	B52	F		B8	L	> 5000	B44	L	2000-5000		
227		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
232	A69	L	> 5000	A36	L	> 5000	A43	L	> 5000	A80	L	> 5000	B52	L	2000-5000	B8	L	> 5000	B44	L	2000-5000
239		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000		B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	
242		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
252		A36	L	< 2000	A43	L	2000-5000	A80	L	2000-5000		B8	L	< 2000				B45	L	< 2000	
267		A36	L	2000-5000	A43	L	2000-5000	A80	L	2000-5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
268		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
273		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
277		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
284		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
293		A36	L	2000-5000	A43	L	2000-5000	A80	L	> 5000		B8	L	2000-5000				B45	L	< 2000	
302		A36	L	< 2000	A43	L	< 2000	A80	L	< 2000		B8	L	< 2000				B45	L	< 2000	
303		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	2000-5000	
309		A36	L	< 2000	A43	L	2000-5000	A80	L	2000-5000		B8	L	2000-5000				B45	L	2000-5000	
351		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000		B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000	
361		A36	L	< 2000	A43	L	< 2000	A80	L	< 2000		B8	L	< 2000				B45	L	< 2000	

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

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B76 Present 91.5%		B77 Absent 2.8%			B37 Absent 2.8%			B53 Absent 1.4%			B59 Not Assessed 9.9%			B73 Absent 1.4%			HLA specificity for assessment									
																	B81 Present 2.8%		B82 Present 81.9%		Cw17 Not Assessed 47.9%					
spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI			
B76	L	> 5000										B59	L	< 2000			9				B82	L	< 2000			
B76	L	< 2000															11									
B76	L	> 5000										B59	L	< 2000			12				B82	L	2000-5000	Cw17	L	2000-5000
B76	L	> 5000															14				B82	L	2000-5000	Cw17	L	2000-5000
B76	L	> 5000				B37	L	2000-5000									15				B82	L	2000-5000	Cw17	L	2000-5000
B76	L	> 5000															19				B82	L	< 2000	Cw17	L	< 2000
B76	L	> 5000															20				B82	L	< 2000	Cw17	L	2000-5000
B76	L	> 5000															23				B82	L	2000-5000			
B76	L	> 5000															24				B82	L	2000-5000			
B76	L	> 5000															25				B82	L	2000-5000	Cw17	L	2000-5000
B76	L	> 5000															26				B82	L	< 2000	Cw17	L	< 2000
B76	L	> 5000															28				B82	L	2000-5000	Cw17	L	< 2000
B76	L	> 5000															34				B82	L	< 2000	Cw17	L	< 2000
B76	L	> 5000															35				B82	L	< 2000			
B76	L	> 5000															38				B82	L	< 2000			
B76	L	> 5000															39				B82	L	< 2000	Cw17	L	< 2000
B76	L	> 5000															41				B82	L	2000-5000			
B76	L	> 5000															42				B82	L	< 2000	Cw17	L	< 2000
B76	L	> 5000															45				B82	L	< 2000	Cw17	L	2000-5000
B76	L	> 5000															48				B82	L	2000-5000	Cw17	L	2000-5000
B76	L	> 5000															51				B82	L	2000-5000	Cw17	L	2000-5000
B76	L	6										B59	L	< 2000			54				B82	L	2000-5000	Cw17	L	2000-5000
B76	L	> 5000															58				B82	L	2000-5000	Cw17	L	2000-5000
B76	L	> 5000															62				B82	L	2000-5000	Cw17	L	2000-5000
B76	L	> 5000															100				B82	L	< 2000			
B76	L	> 5000															112				B82	L	< 2000			
B76	L	> 5000															114				B82	L	2000-5000	Cw17	C	< 2000
B76	L	> 5000															116				B82	L	< 2000	Cw17	L	< 2000
B76	E, L	> 5000															117				B82	L	< 2000	Cw17	E, L	< 2000
B76	L	> 5000															119				B82	L	< 2000	Cw17	L	< 2000
B76	L	> 5000															120				B82	L	< 2000	Cw17	L	< 2000
B76	L	2000-5000															133									
B76	L	> 5000															136				B82	L	2000-5000	Cw17	L	< 2000
B76	L	> 5000															142				B82	L	< 2000			
B76	L	> 5000										B59	L	< 2000			143				B82	L	2000-5000			
B76	L	> 5000															145				B82	L	2000-5000			
B76	L	> 5000															147				B82	L	< 2000			
B76	L	> 5000															149				B82	L	< 2000			
B76	L	> 5000															157				B82	L	2000-5000	Cw17	L	< 2000
B76	L	> 5000															160				B82	L	< 2000			
B76	L	> 5000															162				B82	L	< 2000			
B76	L	> 5000															164				B82	L	2000-5000			
B76	F, E, L	> 5000										B59	F, L	< 2000			165				B82	F, L	2000-5000	Cw17	F, L	< 2000
B76	L	> 5000	B77	L	> 5000												169				B82	L	< 2000			
B76	L	> 5000															181				B82	L	< 2000	Cw17	L	< 2000
B76	L	> 5000															185				B82	L	< 2000			
B76	L	> 5000															195									
B76	L	2000-5000															197									
B76	L	> 5000															204				B82	L	2000-5000	Cw17	L	2000-5000
B76	L	> 5000															206				B82	L	2000-5000	Cw17	L	< 2000
B76	L	> 5000															209				B82	L	2000-5000	Cw17	L	< 2000
B76	L	2000-5000															214									
B76	L	> 5000															216									
B76	L	> 5000															218				B82	L	< 2000			
B76	L	> 5000															222									
B76	L	> 5000				B37	F										227				B82	L	2000-5000	Cw17	L	2000-5000
B76	L	> 5000															232				B82	L	< 2000			
B76	L	> 5000	B77	L	2000-5000									B73	L	> 5000		239			B81	L	> 5000			
B76	L	> 5000															242				B82	L	2000-5000			
B76	L	> 5000															252				B82	L	2000-5000			
B76	L	> 5000															267									
B76	L	> 5000															268									
B76	L	> 5000															273				B82	L	< 2000			
B76	L	> 5000															277				B82	L	< 2000			
B76	L	> 5000															284				B82	L	< 2000	Cw17	L	< 2000
B76	L	> 5000															293									
B76	L	> 5000															302									
B76	L	> 5000															303				B82	L	2000-5000	Cw17	L	< 2000
B76	L	> 5000															309				B82	L	< 2000			
B76	L	> 5000															351	B81	L	< 2000	B82	L	< 2000	Cw17	L	< 2000
B76	L	> 5000															361									

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

65	< 2000	2	< 2000	2	< 2000	1	< 2000	7	< 2000	1	< 2000	2	< 2000	58	< 2000	34	< 2000
71	1	71	0	71	0	71	0	71	6	71	0	71	1	71	29	71	20
	2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
	3		1		1		0		0		0		0		27		13
	> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000
	59		1		0		0		0		1		1		0		0

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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		A*24:02	LS1A04	500	8500	102													
11	L	EDTA	No		A*24:02	LS1A04	1000	5591	140													
12	L	EDTA	No	NC16	A*24:02 A*66:01	LS1A04	500	12225	151	LSM12	Ratio 3	6915	85									
14	L	Heat/EDTA	No	16	A*24:02	LS1A04	1500	18597	31													
15	L	EDTA	No	16	A*24:02 A*66:01	LS1A04	1000	101784	65													
19	L	None	No	OLINS	A*24:02	LS1A04	1000	9525	85													
20	C/L	Beads/EDTA	No			LS1A04	1000	11634.68	118.77													
23	L	EDTA	No	16		LS1A04	1000	11522	121.2													
24	L	EDTA	No	16	A*24:02	LS1A04	1000	11710	55	LSM12	4.5	10497	217	LSA1	1500	20399	187	LS1PRA	1000	15724	269	
25	L	EDTA	No	16	A*24:02	LS1A04	1000	12553	45	LSM12	7	10823	147	LSA1	1500	21537	290					
26	L	EDTA	No	16	A*24:02	LS1A04				LSM12												
28	L	None	No	16		LS1A04	500	8151	81													
34	L	EDTA	No	16	A*24:02	LS1A04	871	6753	24													
35	L	EDTA	No	16	A*24:02	LS1A04	1000	9906	21													
38	L	EDTA	No	16		LS1A04	988	10718	8													
39	L	EDTA	No	LS-NC015	A*24:02 B*44:03	LS1A04	1200	10717	112													
41	L	None	No	15		LS1A04	2000	8444	59	LSA1	0	4										
42	C/L	EDTA	No	16	A*24:02	LS1A04	500	9372	97													
45	L	EDTA	No			LS1A04	1500	11000	60													
48	L	Heat	No	22	A*24:02																	
51	L	EDTA	No			LS1A04	1000	9844	100													
54	L	EDTA	No	16		LS1A04	750	10514	116													
58	L	EDTA	No	15		LS1A04	1000	12226	92	LSM12	3	10957	28									
62	L	None	No	16	A*24:02	LS1A04	1000	11994	39.74					LSA1	1000							
100	L	None	No	11166B	A*24:02					LSA1		651	17927	229								
112	L	None	No	11086B		LS1A04	>SCORE4	12390	59	LSA1		500	20720	330								
114	L	EDTA	No		A*24:02	LS1A04	1000	4637	54													
116	C/L	EDTA	No	16	A*11:02	LS1A04	1000	8814	50	LSM12		7478	106									
117	E/L	EDTA	No	16	A*24:02	LS1A04	500	7365	52													
119	L	EDTA	No			LS1A04	>1000	9608	25	LSM12	Ratio 1.5	11359	327									
120	L	EDTA	No		A*24:02	LS1A04	500	5795	61													
133	L	Heat	No							LSA1		500	20167	165								
136	C/L	None	No		A*24:02	LS1A04	1000	10442	71													
142	L	EDTA	No			LS1A04	1000	9964	36													
143	L	None	No	16		LS1A04	1000	20703	550													
145	L	None	No	NC15		LS1A04	1000	14970	405													
147	L	None	No			LS1A04	>1500	8300	100	LSM12	Ratio >5	8664	91									
149	L	None	No											LSA1		22527	409					
157	L	EDTA	No	16	A*24:02 B*44:03	LS1A04	1000	12614	50													
160	L	Beads	No	14		LS1A04	10850	134														
162	L	EDTA	No	16	A*24:02	LS1A04	1000	13456	41.03	LSM12	3	9109.6	33.83									
164	L	EDTA	No			LS1A04	1500	14916	377													
165	E/F/L	Dilution	No	22.1		LS1A04	102	11445	112													
169	L	None	No	In House		LS1A04		1846	12													
181	L	None	No	98264		LS1A04	500	8226	63	LSM12	2.5	11200	93									
185	L	EDTA	No							LSA1			21190	200				LM1		20409	318	
195	L	None	No			LS1A04	2000	14342	491													
197	L	None	No																			
204	L	EDTA	No	LSNC	A*24:02	LS1A04	1000	8005	63													
206	C/L	EDTA	No		A*24:02	LS1A04	1000	9200	93													
209	C/L	EDTA	No		A*24:02	LS1A04	500	14057	52													
214	L	None	Yes							LSA		500	15389	200								
216	L	None	No	3003777						LSA1			19092					LM1	2000	14874	272	LMX 16565
		Heat	No		A*01:01 A*23:01 A*24:02 A*36:01 a*43:01 A*80:01 A*25:01 B*08:01 B*12:12/B*76 B*82:02																	
218	F				A*01:01 A*23:01 A*24:02 A*80:01 B*08:01 B*18:01 B*37:01 B*41:01 B*42:01 B*46:01 B*50:01 B*52:01 B*53:01 B*54:01 B*59:01 B*15:16 B*67:01 B*15:10 A*24:02																	
222	L	EDTA/Dil	No																			
227	L	EDTA/Dil	No																			
232	L	None	No	NC16		LS1A04	1200	7008	39													
239	L	None	No																			
242	L	Beads	No			LS1A04		24357	562					LSA1								
252	L	None	No											LSA1								
267	L	EDTA	No							LSA1		>500	19421	336				LM1	2	19012	280	
268	C/L	None	No							LSA1		1500/3/4	20005	140				LM1	1000	19163	76	
273	L	None	No		A*24:02	LS1A04	1500	13363	108													
277	L	EDTA	No	16	A*24:02	LS1A04	500	7697	53													
284	L	EDTA	No		anti-A24:02	LS1A04	1000	9153	49													
293	L	None	No			LS1A04	500	11632	98	LS1PRA	500	11632	98									
		None	No		B*15:12 A*01:01 A*43:01 A*23:01 A*24:02 A*36:01 A*80:01 B*08:01 A*24:02									LSA1		1000						
302	L																					
303	L	EDTA	No	LSNC16	A*24:02	LS1A04	1000	7595	161					LSA1								
309	L	None	No																			
351	L	EDTA	No	16		LS1A04	1500	13408	490					LSA1	800	19000	190					
361	L	None	No	06026B										LSA1	500	19938	196					

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

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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 302/2017

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Lab no.	A23 Present 83.1%			A24 Not Assessed 55.3%			A2403 Not Assessed 39.4%			A25 Not Assessed 5.6%			A32 Not Assessed 11.3%			A32 Not Assessed 11.3%			A43 Absent 1.4%			B51 Present 87.3%			B5102 Not Assessed 47.9%			B52 Present 5.6%			B64 Absent 1.4%			B65 Absent 1.4%			
	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	A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000															B51	L	2000-5000	B5102	L	2000-5000	B52	L	> 5000					
11	A23	L	2000-5000																					B51	L	2000-5000	B5102	L	2000-5000	B52	L	2000-5000					
12	A23	L	2000-5000	A24	L	< 2000				A25	L	< 2000	A32	L	< 2000									B51	L	> 5000				B52	L	> 5000					
14	A23	L	2000-5000	A24	L	< 2000																		B51	L	2000-5000	B5102	L	2000-5000	B52	L	> 5000					
15	A23	L	2000-5000	A24	L	< 2000																		B51	L	2000-5000				B52	L	> 5000					
19	A23	L	2000-5000	A24	L	< 2000																		B51	L	> 2000				B52	L	2000-5000					
20	A23	L	2000-5000	A24	L	< 2000	A2403	L	< 2000															B51	L	2000-5000	B5102	L	2000-5000	B52	L	> 5000					
23	A23	L	< 2000																					B51	L	> 5000	B5102	L	2000-5000	B52	L	> 5000					
24	A23	L	2000-5000	A24	L	2000-5000																		B51	L	2000-5000	B5102	L	2000-5000	B52	L	> 5000					
25	A23	L	2000-5000	A24	L	< 2000																		B51	L	2000-5000				B52	L	2000-5000					
26	A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000															B51	L	2000-5000	B5102	L	< 2000	B52	L	< 2000					
28	A23	L	2000-5000	A24	L	< 2000	A2403	L	< 2000															B51	L	2000-5000	B5102	L	2000-5000	B52	L	2000-5000					
34	A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000															B51	L	2000-5000	B5102	L	2000-5000	B52	L	2000-5000					
35	A23	L	2000-5000																					B51	L	2000-5000	B5102	L	2000-5000	B52	L	2000-5000					
38																								B51	L	< 2000	B5102	L	< 2000	B52	L	2000-5000					
39	A23	L	< 2000				A2403	L	< 2000															B51	L	2000-5000	B5102	L	2000-5000	B52	L	2000-5000					
41																								B51	L	2000-5000	B5102	L	2000-5000	B52	L	> 5000					
42	A23	L	2000-5000	A24	L	< 2000	A2403	L	< 2000															B51	L	2000-5000	B5102	L	2000-5000	B52	L	> 5000					
45	A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000															B51	L	2000-5000	B5102	L	2000-5000	B52	L	2000-5000					
48	A23	L	2000-5000																					B51	L	> 5000	B5102	L	> 5000	B52	L	2000-5000					
51	A23	L	2000-5000	A24	L	< 2000	A2403	L	< 2000															B51	L	2000-5000	B5102	L	2000-5000	B52	L	> 5000					
54	A23	L	> 5000	A24	L	2000-5000	A2403	L	> 5000															B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000					
58	A23	L	< 2000							A25	L	< 2000	A32	L	< 2000									B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000					
62	A23	L	2000-5000	A24	L	< 2000	A2403	L	< 2000															B51	L	> 5000	B5102	L	2000-5000	B52	L	> 5000					
100	A23	L	2000-5000	A24	L	< 2000	A2403	L	2000-5000															B51	L	< 2000	B5102	L	2000-5000	B52	L	< 2000					
112	A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000															B51	L	< 2000				B52	L	2000-5000					
114	A23	L	2000-5000	A24	L	< 2000	A2403	L	< 2000															B51	L	> 5000	B5102	L	2000-5000	B52	L	> 5000					
116	A23	L	2000-5000	A24	L	< 2000	A2403	L	< 2000															B51	L	2000-5000	B5102	L	< 2000	B52	L	2000-5000					
117	A23	L	2000-5000	A24	L	< 2000	A2403	L	< 2000															B51	L	2000-5000	B5102	L	2000-5000	B52	L	2000-5000					
119	A23	L	< 2000																					B51	L	2000-5000	B5102	L	2000-5000	B52	L	> 5000					
120	A23	L	< 2000																					B51	L	2000-5000	B5102	L	2000-5000	B52	L	> 5000					
133	A23	L	< 2000	A24	L	2000-5000	A2403	L	2000-5000															B51	L	2000-5000				B52	L	< 2000					
136	A23	L	2000-5000																					B51	L	2000-5000	B5102	L	2000-5000	B52	L	> 5000					
142	A23	L	< 2000																					B51	L	2000-5000	B5102	L	2000-5000	B52	L	> 5000					
143																								B51	L	> 5000				B52	L	> 5000					
145	A23	L	< 2000																					B51	L	2000-5000	B5102	L	2000-5000	B52	L	> 5000					
147	A23	L	2000-5000																					B51	L	> 5000	B5102	L	2000-5000	B52	L	> 5000					
149	A23	L	> 5000	A24	L	2000-5000	A2403	L	2000-5000															B51	L	< 2000				B52	L	2000-5000					
157	A23	L	2000-5000	A24	L	< 2000	A2403	L	2000-5000															B51	L	2000-5000	B5102	L	2000-5000	B52	L	> 5000					
160	A23	L	< 2000	A24	L	< 2000																		A43	L	< 2000	B51	L	2000-5000	B52	L	2000-5000					
162	A23	L	< 2000																					B51	L	2000-5000	B5102	L	2000-5000	B52	L	> 5000					
164	A23	L	< 2000																					B51	L	2000-5000	B5102	L	2000-5000	B52	L	> 5000					
165	A23	F, L	2000-5000	A24	F, L	2000-5000																		B51	F, E, L	2000-5000	B5102	L	2000-5000	B52	L	2000-5000	F, E, L	> 5000			
169																								B51	L	2000-5000				B52	L	> 5000					
181	A23	L	< 2000	A24	L	< 2000																		B51	L	2000-5000	B5102	L	2000-5000	B52	L	2000-5000					
185	A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000															B51	L	< 2000				B52	L	< 2000					
195	A23	L	2000-5000																					B51	L	2000-5000				B52	L	> 5000					
197																								B51	L	< 2000				B52	L	< 2000					
204	A23	L	2000-5000	A24	L	< 2000	A2403	L	< 2000															B51	L	> 5000				B52	L	> 5000					
206	A23	L	2000-5000	A24	L	< 2000																		B51	L	2000-5000	B5102	L	2000-5000	B52	L	> 5000					
209	A23	L	< 2000				A2403	L	< 2000															B51	L	> 5000				B52	L	> 5000					
214																								B51	L	2000-5000	B5102	L	2000-5000	B52	L	> 5000					
216																																					
218	A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000																												

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CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 302/2017

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HLA specificity for assessment									
Const	Cw14			Cw16			Cw17		
	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec
9									
11									
12	Cw14	L	< 2000	Cw16	L	< 2000	Cw17	L	< 2000
14							Cw17	L	2000-5000
15				Cw16	L	< 2000	Cw17	L	2000-5000
19									
20									
23									
24									
25									
26							Cw17	C	< 2000
28									
34							Cw17	L	< 2000
35									
38									
39									
41									
42							Cw17	L	< 2000
45							Cw17	L	< 2000
48							Cw17	L	2000-5000
51	Cw14	L	< 2000	Cw16	L	< 2000	Cw17	L	2000-5000
54				Cw16	L	< 2000	Cw17	L	< 2000
58									
62									
100									
112									
114									
116									
117							Cw17	L	< 2000
119									
120									
133									
136									
142									
143									
145									
147									
149									
157									
160									
162									
164									
165									
169									
181									
185									
195									
197							Cw17	L	< 2000
204									
206									
209									
214									
216									
218									
222									
227									
232									
239									
242									
252									
267									
268									
273									
277									
284									
293									
302									
303									
309				Cw16	L	< 2000			
351									
381									

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

2	< 2000	5	< 2000	12	< 2000
71	2	71	5	71	8
	2000-5000		2000-5000		2000-5000
	0		0		4
	> 5000		> 5000		> 5000
	0		0		0

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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 302/2017

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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	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative	
9	L	None	No			LS1A04	1000	8200	48																	
11	L	EDTA	No			LS1A04	1000	4599	93	LSM12	2.5	6057	16													
12	L	EDTA	No	16		LS1A04	500	12023	372	LSM12	3	10990	595													
14	L	Heat/EDTA	No	16		LS1A04	1500	14254	30																	
15	L	EDTA	No	16		LS1A04	1000	12794	18																	
19	L	None	No	CLINS		LS1A04	1000	7787	39																	
20	C/L	EDTA	No	16		LS1A04	1000	30.71	9641.82																	
23	L	EDTA	No	16		LS1A04	1000	9051	16.17																	
24	L	EDTA	No	16		LS1A04	1000	10305	16	LSM12	4.5	9064	245	LSA1	1500	20514	166	LS1PRA	1000	13372	483					
25	L	EDTA	No	16		LS1A04	1000	10021	34	LSM12	7	9333	122													
26	L	EDTA	No	16		LS1A04				LSM12																
28	L	None	No	16		LS1A04	500	6549	51																	
34	L	EDTA	No	16		LS1A04	723	8851	12																	
35	L	EDTA	No	16		LS1A04	1000	9441	8																	
38	L	EDTA	No	16		LS1A04	1116	10123	8																	
39	L	EDTA	No	LS-NC015	A*24:03	LS1A04	1200	8722	42																	
41	L	None	Yes	15		LS1A04	2000	6457	532																	
42	C/L	EDTA	No	16	C*03:02	LS1A04	500	7407	35																	
45	L	EDTA	No			LS1A04	1500	11000	20																	
48	L	Heat	No	22	Cw*03:02																					
51	L	EDTA	No			LS1A04	850	7253	54																	
54	L	EDTA	No	16	C*03:02	LS1A04	750	7583	68																	
58	L	EDTA	No	15		LS1A04	1000	11387	43	LSM12	3	9672	203													
62	L	None	No	16		LS1A04	1000	11009	33.17					LSA1	1000											
100	L	None	No	11166B						LSA1				LSA1	776	18099	249									
112	L	None	No	11086B		LS1A04	>SCORE4	10100	21	LSA1				LSA1	500	21385	402									
114	L	EDTA	No			LS1A04	1000	6283	59																	
116	C/L	EDTA	No	16		LS1A04	1000	8065	31	LSM12		9678	34													
117	E/L	None	No			LS1A04	500	6861	107																	
119	L	EDTA/Beads	No			LS1A04	1000	7539	50	LSM12	Ratio 1.5	8815	22													
120	L	EDTA	No			LS1A04	500	6820																		
133	L	Heat	No							LSA1		500	19615	192												
136	C/L	None	No			LS1A04	1000	9363	104																	
142	L	EDTA	No			LS1A04	1000	8824	12																	
143	L	None	No	16		LS1A04	1000	17150	890																	
145	L	None	No	NC15		LS1A04	1000	14802	960																	
147	L	None	No			LS1A04	>1500	6002	27	LSM12	Ratio >1.5	3326	81	LSA1		23130	366									
149	L	None	No																							
157	L	EDTA	No	16	B*51:01	LS1A04	1000	11602	26																	
160	L	Beads	No	14		LS1A04	900	9900	34																	
162	L	EDTA	No	16		LS1A04	1000	11086	15.55	LSM12	3	8722	16.5													
164	L	EDTA	No			LS1A04	1500	15406	95																	
165	E/F/L	Dilution	No	22.1		LS1A04	265	11078	42																	
169	L	None	No	In House		LS1A04	500	1637	11																	
181	L	None	Yes	98264		LS1A04	500	6857	36	LSM12	2.5	59														
185	L	EDTA	No							LSA1			20632	168	LM1		18127	147								
195	L	None	No			LS1A04	2000	13858	150																	
197	L	None	No																							
204	L	EDTA	No	LSNC	B*51:01 C*03:03	LS1A04	1000	9171	34																	
206	C/L	EDTA	No			LS1A04	1000	7416	142																	
209	C/L	EDTA	No		C*03:02	LS1A04	500	12156	20					LSA												
214	L	None	Yes																							
216	L	None Heat	No	3003777	A*23:01 A*24:02 A*24:03 B*37:01 B*49:01 B*51:01 B*52:01 B*15:16/B63 B*15:01/B62 B*15:13/B77 B*46:01 B*78:01 B*52:01 B*37:01 B*51:01 B*73:01				LSA1								LM1	1300	15644	241	LMX		11085			
218	L																									
222	F																									
227	L	EDTA/Dil	No																							
229	L																									
232	L	None	No	NC16		LS1A04	1200	6875	116																	
239	L	None	No																							
242	L	Beads	No			LS1A04		22810	365											LM1	1000	19041	151			
252	L	None	No																		LM1	2	17.463	170		
267	L	EDTA	No							LSA1		>500	19029	300						LM1	1000	20541	34			
268	C/L	None	No							LSA1		1500/3/4	19826	139												
273	L	None	No			LS1A04	1500	10451	1084																	
277	L	EDTA	No	16		LS1A04	500	7883	14																	
284	L	EDTA	No			LS1A04	1000	8983	98																	
293	L	None	No			LS1A04	500	10816	247	LS1PRA	500	10816	247													
302	L	None	No																							
303	L	EDTA	No	LSNC16		LS1A04	1000	7898	20																	
309	L	None	No											LSA1	600	19000	87									
351	L	EDTA	No	16		LS1A04	1500	16194	559																	
361	L	None	No	06026B										LSA1	500	20392	167									

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

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HLA specificity for assessment		A74 Present 2.8%		A68 Not Assessed 11.3%		B51 Present 93.0%		B5102 Not Assessed 93.0%		B52 Present 87.2%		B7 Absent 1.4%		B44 Present 87.3%		B45 Present 88.7%		B13 Present 88.7%		B64 Absent 1.4%									
Consr %	tech	MFI	spec	tech	MFI	tech	MFI	tech	MFI	tech	MFI	tech	MFI	tech	MFI	tech	MFI	tech	MFI	tech	MFI								
9																													
11								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000	B64	L	< 2000	
12						A68	L	< 2000																					
14								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	> 5000	B13	L	> 5000				
15								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	> 5000	B13	L	> 5000				
19								B51	L	> 5000				B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000				
20								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	> 5000	B13	L	2000-5000				
23								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000				
24								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000				
25								B51	L	> 5000				B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	> 5000				
26								B51	L	> 5000	B5102	L	> 5000	B52	L	2000-5000	B44	L	2000-5000	B45	L	< 2000	B13	L	< 2000				
28								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000				
34								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000				
35								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	2000-5000	B45	L	< 2000	B13	L	< 2000				
38								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	< 2000	B13	L	< 2000				
39								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000				
41								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000				
42								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000				
45								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	2000-5000	B45	L	< 2000	B13	L	< 2000				
48						A68	L	2000-5000																					
51								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	E	2000-5000	B13	L	> 5000				
54						A68	L	2000-5000																					
58								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	> 5000	B13	L	> 5000				
62								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	> 5000	B13	L	> 5000				
100								B51	L	2000-5000				B52	L	2000-5000	B44	L	< 2000	B45	L	< 2000	B13	L	< 2000				
112								B51	L	2000-5000				B52	L	2000-5000	B44	L	< 2000	B45	L	< 2000	B13	L	< 2000				
114								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000				
116								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000				
117								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000				
119								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	2000-5000, > 5000	B45	L	2000-5000	B13	L	2000-5000, > 5000				
120								B51	L	> 5000				B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000				
133								B51	L	< 2000				B52	L	< 2000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000				
136								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	> 5000	B13	L	> 5000				
142								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	> 5000				
143								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000				
145								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	2000-5000, > 5000	B45	L	2000-5000	B13	L	< 2000, 2000-5000				
147								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000				
149								B51	L	2000-5000				B52	L	2000-5000	B44	L	2000-5000	B45	L	< 2000	B13	L	< 2000				
157								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000				
160								B51	L	> 5000				B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000				
162								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000				
164								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000				
165								B51	F, E, L	> 5000				B52	F, E, L	> 5000	B44	F, L	2000-5000	B45	F, L	2000-5000	B13	F, L	2000-5000				
169								B51	L	> 5000				B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000				
181								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000				
185								B51	L	> 5000				B52	L	> 5000	B44	L	< 2000	B45	L	< 2000	B13	L	< 2000				
195								B51	L	> 5000				B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000				
197	A33	L	< 2000			A68	L	2000-5000						B52	L	2000-5000	B44	L	> 5000	B45	L	> 5000	B13	L	> 5000				
204								B51	L	> 5000	B5102	L	2000-5000	B52	L	> 5000	B44	L	> 5000	B45	L	> 5000	B13	L	> 5000				
206						A68	L	< 2000					C, L		> 5000	B44	L	2000-5000	B45	L	2000-5000	B13	L	2000-5000					
209								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000				
214																													
216																													
218								B51	L	2000-5000				B52	L	> 5000	B44	L	2000-5000	B45	L	< 2000	B13	L	< 2000				
222	A33	F				A68	F							B52	F		B44	F		B45	F		B13	L	< 2000				
227								B51	L	> 5000				B52	L	> 5000	B44	L	> 5000	B45	L	2000-5000	B13	L	> 5000				
232								B51	L	> 5000	B5102	L	> 5000	B52	L	> 5000	B44	L	> 5000	B45	L	< 2000	B13	L	< 2000				
239														B52	L	2000-5000	B44	L	2000-5000	B45	L	< 2000	B13	L	2000-5000				
242								B51	L	> 5000				B52	L	> 5000	B44	L	> 5000	B45	L	> 5000	B13	L	> 5000				
252																													
267								B51	L	< 2000				B52	L	< 2000	B44	L	< 2000	B45	L	< 2000	B13	L	< 2000				
268								B51	L	2000-5000				B52	L	2000-5000	B44	L	< 2000</										

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HLA specificity for assessment

Const	Absent %	B42 Not Assessed 57.7%				B47 Not Assessed 67.6%				B48 Not Assessed 7.0%				B53 Present 94.4%				B59 Present 91.5%				B71 Present 93.0%				B72 Present 93.0%				B73 Absent 1.4%				B78 Present 87.3%				B81 Absent 1.4%			
		Lab n	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI									
9			B46	L	< 2000	B47	L	2000-5000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
11			B46	L	< 2000	B47	L	< 2000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
12			B46	L	2000-5000	B47	L	2000-5000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
14			B46	L	< 2000	B47	L	2000-5000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
15			B46	L	< 2000	B47	L	2000-5000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
19						B47	L	< 2000			B53	L	2000-5000	B59	L	2000-5000	B71	L	2000-5000	B72	L	2000-5000					B78	L	< 2000												
20			B46	L	< 2000	B47	L	2000-5000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
23			B46	L	< 2000						B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
24			B46	L	2000-5000	B47	L	< 2000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
25			B46	L	< 2000	B47	L	2000-5000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
26						B47	L	2000-5000			B53	L	2000-5000	B59	L	2000-5000	B71	L	2000-5000	B72	L	2000-5000					B78	L	< 2000												
28			B46	L	< 2000	B47	L	2000-5000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
34			B46	L	2000-5000	B47	L	2000-5000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
35			B46	L	< 2000						B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
38						B47	L	< 2000			B53	L	2000-5000	B59	L	2000-5000	B71	L	2000-5000	B72	L	2000-5000					B78	L	< 2000												
39						B47	L	< 2000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	< 2000												
41						B47	L	2000-5000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
42			B46	L	< 2000	B47	L	< 2000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
45						B47	L	< 2000			B53	L	2000-5000	B59	L	2000-5000	B71	L	2000-5000	B72	L	2000-5000					B78	L	2000-5000												
51			B46	L	> 5000	B47	L	> 5000			B53	L	2000-5000	B59	L	2000-5000	B71	L	2000-5000	B72	L	2000-5000					B78	L	< 2000												
54			B46	L	< 2000	B47	L	2000-5000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
58			B46	L	> 5000	B47	L	> 5000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
62			B46	L	< 2000	B47	L	2000-5000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
100						B47	L	2000-5000			B53	L	2000-5000	B59	L	2000-5000	B71	L	2000-5000	B72	L	2000-5000					B78	L	< 2000												
112						B47	L	2000-5000			B53	L	2000-5000	B59	L	2000-5000	B71	L	2000-5000	B72	L	2000-5000					B78	L	< 2000												
114			B46	L	< 2000	B47	L	2000-5000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
116			B46	L	< 2000	B47	L	< 2000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
117			B46	L	< 2000	B47	L	< 2000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	< 2000												
119			B46	L	< 2000	B47	L	< 2000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
120			B46	L	< 2000	B47	L	< 2000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
133						B47	L	< 2000			B53	L	< 2000	B59	L	< 2000	B71	L	< 2000	B72	L	< 2000					B78	L	< 2000												
136			B46	L	< 2000	B47	L	2000-5000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
142			B46	L	< 2000						B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
143			B46	L	< 2000	B47	L	< 2000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
145						B47	L	2000-5000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
147						B47	L	2000-5000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	2000-5000					B78	L	< 2000												
149						B47	L	2000-5000			B53	L	2000-5000	B59	L	2000-5000	B71	L	2000-5000	B72	L	2000-5000					B78	L	< 2000												
157			B46	L	< 2000	B47	L	< 2000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
160						B47	L	< 2000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	< 2000												
162			B46	L	< 2000	B47	L	< 2000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	4					B78	L	2000-5000												
164						B47	L	< 2000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	< 2000												
165			B46	F		B47	F, L	< 2000			B53	F, E, L	> 5000	B59	F, L	> 5000	B71	F, E, L	> 5000	B72	F, E, L	> 5000					B78	F, L	2000-5000												
169			B46	L	> 5000						B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	2000-5000					B78	L	2000-5000												
181			B46	L	< 2000	B47	L	< 2000			B53	L	> 5000	B59	L	> 5000	B71	L	2000-5000	B72	L	> 5000					B78	L	< 2000												
185			B46	L	< 2000	B47	L	< 2000			B53	L	< 2000	B59	L	2000-5000	B71	L	2000-5000	B72	L	2000-5000					B78	L	2000-5000												
195						B47	L	2000-5000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
197						B47	L	2000-5000			B53	L	2000-5000			B71	L	2000-5000	B72	L	2000-5000					B78	L	2000-5000													
204			B46	L	2000-5000	B47	L	2000-5000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
206			B46	L	< 2000	B47	L	< 2000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
209						B47	L	2000-5000			B53	L	> 5000	B59	L	> 5000	B71	L	> 5000	B72	L	> 5000					B78	L	2000-5000												
214																																									
216						B47	L	< 2000			B53																														

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HLA specificity for assessment										
Lab n	Cw15 Absent 1.4%			Cw17 Absent 2.8%			Cw18 Absent 4.2%			MFI
	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	
9										
11										
12										
14				Cw17	L	< 2000	Cw18	L	< 2000	
15										
19										
20										
23										
24										
25										
26										
28										
34										
35										
38										
39										
41										
42										
45										
48				Cw17	L	2000-5000				
51										
54							Cw18	L	< 2000	
58										
62										
100										
112										
114										
116										
117										
119										
120										
133										
136										
142										
143										
145										
147										
149										
157										
160										
162										
164										
165										
169										
181										
185										
195										
197										
204										
206										
209										
214										
216										
218										
222										
227										
232										
239										
242										
252										
267										
268										
273										
277										
284										
293										
302										
303										
309										
351	Cw15	L	< 2000				Cw18	L	< 2000	
381										

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

1	< 2000	2	< 2000	3	< 2000
71	1	71	1	71	3
	2000-5000		2000-5000		2000-5000
	0		1		0
	> 5000		> 5000		> 5000
	0		0		0

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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				LS1A04	500	9400	75															
11	L	EDTA	No		A*68:02	LS1A04	1000	7519	30	LSM12	2.5	7503	29											
12	L	EDTA	No	16	A*68:02	LS1A04	500	15546	88	LSM12	Ratio 3	16136	306											
14	L	Heav/EDTA	No	16	C*03:02	LS1A04	1500	13989	20															
15	L	EDTA	No	16	A*66:02	LS1A04	1000	13932	53															
19	L	None			OLNS	LS1A04	1000	9954	57															
20	C/I	EDTA	No	16	C*03:02	LS1A04	>1000	12099.51	42.28															
23	L	EDTA	No	16		LS1A04	1000	10509	32.38															
24	L	EDTA	No	16		LS1A04	1000	12899	32	LSM12	4.5	13398	54	LSA1	1500	20337	184	LS1PRA	1000	15084	43			
25	L	EDTA	No	16	Cw*03:02	LS1A04	1000	13026	27	LSM12	7	11608	97											
26	L	EDTA	No	16		LS1A04				LSM12														
28	L	None				LS1A04	500	11203	56															
34	L	EDTA	No	16		LS1A04	1200	10394	30															
35	L	EDTA	No	16		LS1A04	1000	9811	9															
38	L	EDTA	No	16	B*51:03	LS1A04	1128	11193	12	LSA1	810	18631	168											
39	L	EDTA	No		NS-NC015	LS1A04	1100	11795	46															
41	L	None				LS1A04	2000	8505	50															
42	C/I	EDTA	No	16		LS1A04	500	10068	51															
45	L	Beads	No			LS1A04	1500	10000	20															
48	L	Heat	No	22	A*68:02																			
51	L	EDTA	No	16	A*29:02	LS1A04	1200	11387	67															
54	L	EDTA	No	16	A*68:02 A*29:02	LS1A04	750	11962	59															
58	L	EDTA	No	15		LS1A04	100	11254	54	LSM12	3	12297	21											
62	L	None				LS1A04	1000	11309	45079					LSA1	1000									
100	L	None			11166B	LS1A04				LSA1	606	17333	242	LSA1	500	20961	293							
112	L	None			11086B	LS1A04	>-SCORE4	11828	25															
114	L	EDTA	No	16		LS1A04	1000	8598	30															
116	C/I	EDTA	No	16		LS1A04	1000	9871	66	LSM12		11039	63											
117	E/L	None																						
119	L	EDTA	No		C*03:02	LS1A04	>1000	8243	26	LSM12	Ratio 1.5	11007	35											
120	L	EDTA	No	16		LS1A04	500	7953	34															
133	L	Heat	No							LSA1	500	19436	172											
136	C/I	None			C*03:02	LS1A04	1000	12085	32															
142	L	EDTA	No	16		LS1A04	1000	10517	24															
143	L	None			NC15	LS1A04	1000	21916	69															
145	L	None			Cw*03:02	LS1A04	1000	15676	54															
147	L	None				LS1A04	>1500	7615	53	LSM12	Ratio >5	8814	41	LSA1		22811	288							
149	L	None																						
157	L	EDTA	No	16	B*51:01	LS1A04	1000	12163	30															
160	L	Beads	No	14		LS1A04	1000	10400	44															
162	L	EDTA	No	16		LS1A04	1000	11828	20.46	LSM12	3	10195	17.4											
164	L	EDTA	No	16		LS1A04	1500	14908	95															
165	E/F/L	Dilution	No	22.1		LS1A04	208	11172	54															
169	L	None			In House	LS1A04		2600	14															
181	L	None	Yes	98264		LS1A04	500	8121	44	LSM12	2.5	11438	68											
185	L	EDTA	No							LSA1		21018	153	LM1	19949	139								
195	L	None				LS1A04	2000	10791	87															
197	L	None																						
204	L	EDTA	No		LSNC	LS1A04	1000	14747	24															
206	C/I	EDTA	No			LS1A04		10248	57															
209	C/I	Beads/EDTA	No		A*68:02	LS1A04	500	11413	48					LSA	500	16239	211							
214	L	None												LSA1	20436			LM1	1000	19441	36	LMX	11542	
216	L	Heat	No	3003777	A*24:02 A*24:03 A*32:01 B*13:02 B*15:01/B62 B*15:02/B75 B*15:03/B72 B*15:13/B77 B*15:16/B83 B*15:18/B71 B*36:01 B*35:08 B*38:01 B*40:02/B61 B*44:02 B*44:03 B*45:01 B*49:01 B*50:01 B*51:01 B*52:01 B*53:01 B*56:01 B*57:01 B*58:01 B*59:01 B*78:01 B*37:01 B*40:01/B60 B*41:01 B*47:01 A*26:01 A*32:01 A*33:01 A*33:03 A*34:01 A*68:01 A*68:02 A*74:01 A*27:05 B*27:06 B*35:01 B*42:01 B*45:01 B*46:01 B*47:01 B*49:01 B*50:01 B*51:01 B*52:01 B*53:01 B*56:01 B*58:01 B*59:01 B*40:01 B840:02 B*15:01/34 B*15:02 B*15:21 B*78:01 B*14:02 B*15:03 B*15:10 B*15:15 B*73:01																			
222	F																							
227	L	EDTA/Dil	No																					
229	L	None			NC16	LS1A04	1200	7509	21															
232	L	None																						
239	L	None												LM1	1000	21665	130							
242	L	Beads	No			LS1A04		24029	79.32															
252	L	None												LM1	2	18.328	132							
267	L	EDTA	No							LSA1	>500	19293	227											
268	C/I	None								LSA1	1500/3/4	20752	140	LM1	1000	20874	68							
273	L	None				LS1A04	1500	15048	48															
277	L	EDTA	No	16	C*03:02	LS1A04	500	2886	27															
284	L	None				LS1A04	1000	11170	39															
293	L	None				LS1A04	500	13146	32	LS1PRA	500	13146	32											
302	L	None			B*49:01																			
303	L	EDTA	No		LSNC16	LS1A04	1000	9022	131															
309	L	None								LSA1	500	19000	70											
351	L	EDTA	No	16		LS1A04	1500	14070	67															
361	L	None			06026B					LSA1	500	20193	208											

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

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HLA specificity for assessment																																			
Lab no.	A1			A2 Present 88.7%			A203 Not Assessed 95.2%			A3 Absent 1.4%			A23 Not Assessed 29.6%			A24 Not Assessed 45.1%			A2403 Not Assessed 28.2%			A25 Absent 1.4%			A26 Not Assessed 16.9%			A34 Absent 1.4%							
	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI		
9				A2	L	2000-5000	A203	L	2000-5000				A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000				A26	L	< 2000								
11				A2	L	2000-5000	A203	L	< 2000																										
12	A1	L	< 2000	A2	L	2000-5000							A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000				A26	L	< 2000								
14				A2	L	2000-5000																													
15				A2	L	< 2000																				A26	L	< 2000							
19				A2	L	< 2000																													
20				A2	L	2000-5000										A24	L	< 2000	A2403	L	< 2000				A26	L	< 2000								
23				A2	L	2000-5000	A203	L	2000-5000																										
24				A2	L	2000-5000																													
25				A2	L	2000-5000							A23	L	< 2000	A24	L	< 2000																	
26				A2	L	2000-5000																													
28				A2	L	2000-5000	A203	L	2000-5000							A24	L	< 2000	A2403	L	< 2000				A26	L	< 2000								
34				A2	L	2000-5000										A24	L	< 2000	A2403	L	< 2000														
35																																			
38				A2	L	< 2000	A203	L	< 2000							A24	L	< 2000	A2403	L	< 2000														
39				A2	L	> 5000																													
41				A2	L	2000-5000	A203	L	2000-5000																										
42				A2	L	2000-5000																													
45				A2	L	< 2000																													
48				A2	L	> 5000	A203	L	> 5000																										
51				A2	L	2000-5000	A203	L	2000-5000				A23	L	< 2000	A24	L	2000-5000	A2403	L	2000-5000														
54	A1	L	< 2000	A2	L	> 5000	A203	L	> 5000				A23	L	2000-5000	A24	L	> 5000	A2403	L	> 5000				A26	L	< 2000								
58				A2	L	2000-5000																				A26	L	> 5000							
62				A2	L	2000-5000										A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000											
100				A2	L	< 2000																													
112				A2	L	2000-5000	A203	L	< 2000							A23	L	2000-5000	A24	L	< 2000	A2403	L	< 2000											
114				A2	L	2000-5000	A203	L	2000-5000							A23	L	< 2000	A24	L	< 2000														
116				A2	L	2000-5000																													
117				A2	L	< 2000																													
119				A2	L	< 2000	A203	L	< 2000																										
120				A2	L	2000-5000																													
133				A2	L	< 2000	A203	L	< 2000																										
136				A2	L	> 5000	A203	L	> 5000																										
142				A2	L	2000-5000																													
143				A2	L	2000-5000										A23	L	< 2000	A24	L	< 2000														
145				A2	L	2000-5000	A203	L	2000-5000																										
147				A2	L	2000-5000	A203	L	2000-5000																										
149				A2	L	< 2000	A203	L	< 2000							A23	L	2000-5000	A24	L	2000-5000	A2403	L	< 2000											
157				A2	L	2000-5000	A203	L	2000-5000																										
160				A2	L	2000-5000																													
162				A2	L	2000-5000	A203	L	2000-5000																										
164				A2	L	2000-5000																													
165	A1	F		A2	F, L	2000-5000																													
169				A2	L	2000-5000																													
181				A2	L	2000-5000	A203	L	2000-5000																										
185				A2	L	< 2000	A203	L	< 2000																										
195				A2	L	2000-5000																													
197				A2	L	< 2000																													
204				A2	L	> 5000	A203	L	> 5000																										
206				A2	L	2000-5000																													
209				A2	L	> 5000	A203	L	> 5000																										
214																																			
216				A2	L	< 2000	A203	L	< 2000																										
218																																			
222																																			
227				A2	L	< 2000																													
232				A2	L	< 2000																													
239																																			
242				A2	L	2000-5000																													
252				A2	L	< 2000	A203	L	< 2000																										
267				A2	L	2000-5000																													
288				A2	L	< 2000																													
273				A2	L	2000-5000																													
277				A2	L	2000-5000																													
284				A2	L	2000-5000																													
293				A2	L	< 2000																													
302																																			
303				A2	L																														

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HLA specificity for assessment		A29 Absent 4.2%			A30 Absent 1.4%			A32 Absent 1.4%			A33 Absent 1.4%			A74 Absent 1.4%			A68 Present 87.3%			A69 Not Assessed 63.4%			A36 Absent 2.8%			A43 Not Assessed 29.6%			A80 Absent 1.4%			B51 Absent 2.8%		
Lab no	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	
9																A68	L	2000-5000	A69	L	2000-5000			A43	L	2000-5000								
11																A68	L	< 2000	A69	L	< 2000													
12				A29	L	< 2000										A68	L	> 5000	A69	L	2000-5000			A43	L	2000-5000								
14																A68	L	2000-5000	A69	L	< 2000													
15																A68	L	2000-5000						A43	L	< 2000								
19																A68	L	< 2000						A43	L	2000-5000								
20																A68	L	2000-5000	A69	L	< 2000													
23																A68	L	< 2000	A69	L	< 2000													
24																A68	L	2000-5000	A69	L	2000-5000													
25																A68	L	2000-5000	A69	L	< 2000					A43	L	< 2000						
26																A68	L	2000-5000																
28																A68	L	2000-5000	A69	L	< 2000				A43	L	< 2000							
34																A68	L	2000-5000	A69	L	< 2000													
35																																		
38																A68	L	< 2000	A69	L	< 2000													
39																A68	L	> 5000																
41																A68	L	2000-5000																
42																A68	L	2000-5000	A69	L	< 2000					A43	L	< 2000						
45																A68	L	< 2000																
48																A68	L	2000-5000	A69	L	2000-5000				A43	L	2000-5000							
51																A68	L	2000-5000	A69	L	< 2000				A43	L	2000-5000							
54				A29	L	< 2000										A68	L	> 5000	A69	L	> 5000	A36	L	< 2000	A43	L	> 5000							
58																A68	L	2000-5000	A69	L	< 2000				A43	L	< 2000							
62																A68	L	2000-5000	A69	L	< 2000													
100																A68	L	< 2000																
112																A68	L	< 2000	A69	L	< 2000													
114																A68	L	2000-5000	A69	L	2000-5000													
116																A68	L	2000-5000	A69	L	< 2000													
117																A68	L	2000-5000	A69	L	< 2000				A43	L	< 2000							
119																A68	L	< 2000	A69	L	< 2000													
120																A68	L	< 2000	A69	L	< 2000													
133																A68	L	< 2000																
136																A68	L	2000-5000	A69	L	< 2000				A43	L	< 2000							
142																A68	L	2000-5000	A69	L	< 2000													
143																A68	L	< 2000	A69	L	< 2000													
144																A68	L	< 2000	A69	L	< 2000													
145																A68	L	< 2000	A69	L	< 2000													
147																A68	L	< 2000																
149																A68	L	< 2000																
157																A68	L	< 2000	A69	L	< 2000													
160																A68	L	< 2000	A69	L	< 2000													
162																A68	L	< 2000	A69	L	< 2000													
164																A68	L	2000-5000	A69	L	< 2000													
165																A68	F, L	2000-5000	A69	F, L	< 2000				A43	F, L	< 2000							
169																A68	L	< 2000																
181																A68	L	< 2000	A69	L	< 2000				A43	L	< 2000							
185																A68	L	< 2000	A69	L	< 2000													
195																																		
197																																		
204																A68	L	2000-5000	A69	L	2000-5000				A43	L	< 2000				B51	L	< 2000	
206																A68	L	< 2000	A69	L	< 2000				A43	L	< 2000							
209																A68	L	2000-5000	A69	L	2000-5000				A43	L	< 2000							
214																																		
216																																		
218																A68	L	< 2000	A69	L	< 2000													
222																																		
227																A68	L	2000-5000	A69	L	2000-5000				A43	L	< 2000							
232																A68	L	< 2000																
239																																		
242																A68	L	2000-5000	A69	L	< 2000													
252																																		
267																A68	L	< 2000																
268																A68	L	< 2000																
273																A68	L	2000-5000	A69	L	< 2000													
277																A68	L	< 2000	A69	L	< 2000													
284																A68	L	2000-5000	A69	L	< 2000													
293																A68	L	< 2000							A43	L	< 2000							
302																																		

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HLA specificity for assessment				B7				B8				B44				B45				B13				B65				B62				B63				B75				B76			
Const		Absent		1.4%		Not Assessed		5.6%		1.4%		1.4%		1.4%		1.4%		1.4%		1.4%		4.2%		5.6%		14.1%																	
Lab n	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI													
9																																											
11																																											
12																																											
14							B8	L	< 2000																B75	L	< 2000	B76	L	< 2000													
15																																											
19																																											
20																																											
23																																											
24																																											
25																																											
26																																											
28																																											
34																																											
35																																											
38																																											
39																																											
41																																											
42																																											
45																																											
48																																											
51							B8	L	< 2000																																		
54							B8	L	2000-5000																																		
58																																											
62																																											
100																																											
112																																											
114																																											
116																																											
117																																											
119																																											
120																																											
133																																											
136																																											
142																																											
143																																											
145																																											
147																																											
149	B52		< 2000																																								
157																																											
160																																											
162																																											
164																																											
165																																											
169																																											
181																																											
185																																											
195																																											
197																																											
204																																											
206																																											
209																																											
214																																											
216																																											
218																																											
222																																											
227																																											
232																																											
239																																											
242																																											
252																																											
267																																											
268																																											
273																																											
277																																											
284																																											
293																																											
302																																											
303																																											
309																																											
351	B52	L	< 2000	B7	L	< 2000	B8	L	< 2000	B44	L	< 2000	B45	L	< 2000	B13	L	< 2000	B65	L	< 2000	B62	L	< 2000	B63	L	< 2000	B75	L	< 2000	B76	L	< 2000										
361																																											

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

2	< 2000	1	< 2000	4	< 2000	1	< 2000	1	< 2000	1	< 2000	1	< 2000	1	< 2000	1	< 2000	3	< 2000	4	< 2000	10	< 2000
71	2	71	1	71	3	71	1	71	1	71	1	71	1	71	1	71	1	71	3	71	3	71	9
	2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
	0		0		0		0		0		0		0		0		0		0		0		0
	> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000
	0		0		0		0		0		0		0		0		0		0		0		0

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HLA specificity for assessment

Consi	B77 % BP 1.4%		B38 Absent 1.4%		B39 Absent 1.4%		B57 Not Assessed 33.8%			B58 Not Assessed 22.5%			B18 Absent 1.4%		B49 Absent 1.4%		B50 Absent 2.8%		B55 Absent 1.4%		B56 Absent 1.4%		B27 Absent 1.4%		B35 Absent 1.4%									
Lab n°	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		
9							B57	L	< 2000	B58	L	< 2000																						
11																																		
12							B57	L	< 2000	B58	L	< 2000																						
14																																		
15																																		
19																																		
20							B57	L	< 2000																									
23							B57	L	< 2000																									
24																																		
25																																		
26																																		
28							B57	L	< 2000	B58	L	< 2000																						
34																																		
35																																		
38							B57	L	< 2000																									
39																																		
41																																		
42							B57	L	< 2000	B58	L	< 2000																						
45																																		
48							B57	L	2000-5000	B58	L	2000-5000																						
51							B57	L	< 2000	B58	L	< 2000																						
54							B57	L	> 5000	B58	L	2000-5000																						
58																																		
62							B57	L	< 2000	B58	L	< 2000																						
100																																		
112							B57	L	< 2000																									
114							B57	L	< 2000	B58	L	< 2000																						
116																																		
117																																		
119							B57	L	< 2000																									
120																																		
133							B57	L	< 2000																									
136							B57	L	< 2000																									
142																																		
143							L	1		B58	L	< 2000																						
145																																		
147																																		
149																																		
157																																		
160																																		
162							B57	L	< 2000	B58	L	< 2000																						
164							B57	F,L	< 2000	B58	F,L	< 2000																						
165																																		
169							B57	L	< 2000																									
181																																		
185																																		
195																																		
197																					B50	L	< 2000											
198							B57	L	< 2000	B58	L	< 2000																						
204																																		
206																																		
209							B57	L	< 2000	B58	L	< 2000																						
214																																		
216																																		
218							B57	L	< 2000	B58	L	< 2000																						
222																																		
227							B57	L	< 2000	B58	L	< 2000																						
232																																		
239																																		
242																																		
252																																		
267																																		
288																																		
273																																		
277																																		
284																																		
293																																		
302							B57	L	< 2000																									
303																																		
309																																		
351	B77	L	< 2000	B38	L	< 2000	B39	L	< 2000	B57	L	< 2000		B18	L	< 2000	B49	L	< 2000	B50	L	< 2000	B55	L	< 2000	B56	L	< 2000	B27	L	< 2000	B35	L	< 2000
361																																		

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

1	< 2000	1	< 2000	1	< 2000	24	< 2000	16	< 2000	1	< 2000	1	< 2000	2	< 2000	1	< 2000	1	< 2000	1	< 2000	1	< 2000	1	< 2000	1	< 2000	1	< 2000	1	< 2000	1	< 2000	1	< 2000
71	1	71	1	71	1	71	22																												

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HLA specificity for assessment																																	
Const	Not Assessed			B61 Absent 1.4%			B41 Absent 1.4%			B42 Absent 1.4%			B46 Absent 2.8%			B47 Absent 1.4%			B53 Absent 1.4%			B59 Absent 1.4%			B67 Absent 1.4%			B71 Absent 1.4%			B72 Absent 1.4%		
Lab no	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI			
9																																	
11																																	
12	B37		L																														
14																																	
15																																	
19																																	
20																																	
23																																	
24																																	
25																																	
26																																	
28																																	
34																																	
35																																	
38																																	
39																																	
41																																	
42																																	
45																																	
48																																	
51	B37		L																														
54	B37		L																														
58													B46		L																		
62																																	
100																																	
112																																	
114																																	
116																																	
117																																	
119																																	
120																																	
133																																	
136																																	
142																																	
143																																	
145																																	
147																																	
149																																	
157																																	
160																																	
162																																	
164																																	
165																																	
169																																	
181																																	
185																																	
195																																	
197																																	
204																																	
206																																	
209																																	
214																																	
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303																																	
309																																	
351	B37		L				B61		L																								
361																																	

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

4	<2000		1	<2000		1	<2000		1	<2000		2	<2000		1	<2000		1	<2000		1	<2000		1	<2000		1	<2000		1	<2000	
71	3		71	1		71	1		71	1		71	2		71	1		71	1		71	1		71	1		71	1		71	1	
	2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
	1			0			0			0			0			0			0			0			0			0			0	
	>5000			>5000			>5000			>5000			>5000			>5000			>5000			>5000			>5000			>5000			>5000	
	0			0			0			0			0			0			0			0			0			0			0	

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CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 304/2017

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HLA specificity for assessment																														
B73		B81		B82		Cw1		Cw2		Cw9		Cw10		Cw4		Cw5		Cw6												
Const	Absent	Absent	Not Assessed	Absent	Absent	Not Assessed	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Not Assessed	Not Assessed	Absent	Absent	Absent	Absent											
% rp	1.4%	1.4%	5.6%	1.4%	1.4%	9.9%	1.4%	4.2%	1.4%	1.4%	1.4%	1.4%	1.4%	9.9%	9.9%	4.2%	4.2%	4.2%	4.2%											
Lab n	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																														
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288																														
273																														
277																														
284																														
293																														
302																														
303																														
309																														
351	B73	L	< 2000	B81	L	< 2000	B82	L	< 2000	Cw1	L	< 2000	Cw2	L	< 2000	Cw9	L	< 2000	Cw10	L	< 2000	Cw4	L	< 2000	Cw5	L	< 2000	Cw6	L	< 2000
361																														

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

1	< 2000	1	< 2000	4	< 2000	1	< 2000	3	< 2000	1	< 2000	1	< 2000	1	< 2000	7	< 2000	3	< 2000
71	1	71	1	71	4	71	1	71	2	71	2	71	2	71	1	71	6	71	2
	2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
	0		0		0		0		0		0		0		0		0		0
	> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000
	0		0		0		0		0		0		0		0		0		0

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HLA specificity for assessment																					
Lab no.	Cw7			Cw12			Cw14			Cw15			Cw16			Cw17			Cw18		
	Consensus % reported	spec	tech	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9																					
11																					
12																					
14																					
15																					
19																					
20																					
23																					
24																					
25																					
26																					
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54																					
58																					
62																					
100																					
112																					
114																					
116																					
117																					
119																					
120																					
133																					
136																					
142																					
143																					
145																					
147																					
149																					
157																					
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165																					
169																					
181																					
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267																					
268																					
273																					
277																					
284																					
293																					
302																					
303																					
309																					
351	Cw7	L	< 2000	Cw12	L	< 2000	Cw14	L	< 2000	Cw15	L	< 2000	Cw16	L	< 2000	Cw17	L	< 2000	Cw18	L	< 2000
361																					

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

1	< 2000	1	< 2000	1	< 2000	3	< 2000	1	< 2000	2	< 2000	2	< 2000	2	< 2000
71	1	71	1	71	1	71	2	71	1	71	1	71	1	71	1
	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
	0		0		0		0		0		0		0		0

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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	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative
9	L	None	No			LS1A04	500	11800	52																
11	L	EDTA	No			LS1A04	1000	9609	48	LSM12	2.5	8849	16												
12	L	EDTA	No		B*75 - B*15:11	LS1A04	500	13958	75	LSM12	Ratio 3	14722	47												
14	L	Heat/EDTA	No	16	A*68:02	LS1A04	1500	16408	28																
15	L	EDTA	No	16	A*68:02	LS1A04	1000	14356	41																
19	L	None	No	OLINS	A*68:02	LS1A04	1000	12080	83																
20	C/L	EDTA	No	16	B*57:03	LS1A04	1000	11057	47																
23	L	EDTA	No	16	A*68:02	LS1A04	1000	10324	20.89																
24	L	EDTA	No	16	A*24:02	LS1A04	1000	13529	40	LSM12	4.5	15613	24	LSA1	1500	20298	144	LS1PRA	1000	17219	26				
25	L	EDTA	No	16		LS1A04	1000	12959	20	LSM12	7	11758	66												
26	L	EDTA	No	16	A*68:02	LS1A04				LSM12															
28	L	None	No	16		LS1A04	500	1113021	21																
34	L	EDTA	No	16		LS1A04	1106	11081	18																
35	L	EDTA	No	16		LS1A04	1000	16782	13																
38	L	EDTA	No	16		LS1A04	529	14036	8																
39	L	EDTA	No	LS-NC015	A*68:02	LS1A04	1380	11543	53																
41	L	None	No	15		LS1A04	2000	12076	36																
42	C/L	EDTA	No	16	B*57:03	LS1A04	500	10729	35																
45	L	Beads	No		A*68:02	LS1A04	1500	10500	20																
48	L	Heat	No	22																					
51	L	EDTA	No			LS1A04	590	10758	42																
54	L	EDTA	No	16		LS1A04	1000	22871	483																
58	L	EDTA	No	15		LS1A04	1000	12098	26	LSM12	3	13215	11												
62	L	None	No	16	A*68:02	LS1A04	1000	13545	18.32					LSA1	1000										
100	L	None	No	11166B						LSA1		636	17749	252											
112	L	None	No	11086B		LS1A04	>SCORE4	14570	16	LSA1		500	21069	564											
114	L	EDTA	No			LS1A04	1000	7490	33																
116	C/L	EDTA	No	16	A*68:02	LS1A04	1000	9842	112	LSM12		10465	48												
117	E/L	None	No	16	A*68:02	LS1A04	500	10362	15																
119	L	EDTA	No		A*68:02	LS1A04	>1000	7376	16	LSM12	11629	35													
120	L	EDTA	No		B*57:03	LS1A04	500	9569	18																
133	L	Heat	No							LSA1		500	20624	180											
136	C/L	None	No		A*68:02 B*57:03	LS1A04	1000	14667	26																
142	L	EDTA	No			LS1A04	1000	10898	15																
143	L	None	No	16		LS1A04	1000	22652	80																
145	L	None	No	NC15	A*68:02	LS1A04	1000	18701	73																
147	L	None	No		A*68:02	LS1A04	>1500	10721	28.5	LSM12	Ratio >5	11270	27												
149	L													LSA1		22441	266								
157	L	EDTA	No	16	A*68:02	LS1A04	1000	13018	27																
160	L	Beads	No	14		LS1A04	900	11265	63																
162	L	EDTA	No	16		LS1A04	1000	12036	14	LSM12	3	11815	23.43												
164	L	EDTA	No			LS1A04	1500	17358	49																
165	E/F/L	Dilution	No	22.1		LS1A04	515	14556	28																
169	L	None	No	In House		LS1A04		8	4237																
181	L	None	No	98264		LS1A04	500	9529	30	LSM12	2.5	13575	41												
185	L	EDTA	No							LSA1		21365	204	LM1		22615	123								
195	L	None	No			LS1A04	2000	14087	59																
197	L	None	No																						
204	L	EDTA	No	LSNC		LS1A04	1000	16304	18																
206	C/L	EDTA	No			LS1A04	1000	11170	38																
209	C/L	EDTA/Beads	No			LS1A04	500	15245	61																
214	L	None	Yes																						
216	L	None	No	3003777																					
		Heat	No		A*02:01 A*02:02 A*02:03 A*02:05 A*23:01 A*24:02 A*24:03 A*68:01 A*68:02					LSA1								LM1	1000	21553	194	LMX		13350	
218	L																								
222	F																								
227	L																								
229	L	EDTA/Dil	No																						
232	L	None	No	NC16		LS1A04	1200	8970	8																
239	L	None	No															LM1	800	21328	280				
242	L	Beads	No			LS1A04		26402	55.6																
252	L	None	No																						
267	L	EDTA	No							LSA1		>500	285	LM1	2	18.283	132								
268	C/L	None	No							LSA1		1500/3/4	19665	144	LM1	1000	20384	105							
273	L	None	No	16	A*24:02 B*57:03	LS1A04	1500	15876	42																
277	L	EDTA	No			LS1A04	500	9447	21																
284	L	EDTA	No		A*68:02	LS1A04	1000	10951	25																
293	L	None	No			LS1A04	500	13326	38	LS1PRA	500	13326	38												
302	L	None	No																						
303	L	EDTA	No	LSNC16		LS1A04	10933	53																	
309	L	None	No		A*02:05 A*02:02 A*68:02					LSA1		900	19000	235											
351	L	EDTA	No	16		LS1A04	1500	16387	66																
361	L	None	No	06026B	A*68:02					LSA1		500	19949	146											

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

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HLA specificity for assessment																																
A1 Not Assessed 40.8%			A2 Absent 1.4%			A3 Absent 1.4%			A23 Present 83%			A24 Present 84.5%			A2403 Not Assessed 56.1%			A25 Present 94.4%			A26 Not Assessed 23.9%			A34 Not Assessed 7.0%			A66 Not Assessed 7.9%					
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		
9	A1	L	2000-5000							A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	< 2000								
11	A1	L	< 2000							A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	2000-5000											
12	A1	L	2000-5000							A23	L	> 5000	A24	L	2000-5000				A25	L	> 5000	A26	L	< 2000	A34	L	< 2000	A66	L	< 2000		
14										A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	> 5000											
15										A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000	A25	L	2000-5000											
19										A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000	A25	L	2000-5000											
20	A1	L	< 2000							A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	> 5000											
23										A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	> 5000	A26	L	< 2000								
24										A23	L	2000-5000	A24	L	2000-5000				A25	L	> 5000											
25										A23	L	2000-5000	A24	L	2000-5000				A25	L	2000-5000											
26										A23	L	2000-5000	A24	L	2000-5000	A2403	L	< 2000	A25	L	2000-5000											
28	A1	L	< 2000							A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	2000-5000	A26	L	< 2000				A66	L	< 2000		
34	A1	L	< 2000							A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	> 5000											
35										A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000	A25	L	2000-5000											
38										A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000	A25	L	< 2000											
39										A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	2000-5000											
41	A1	L	2000-5000							A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	> 5000											
42	A1	L	< 2000							A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	> 5000	A26	L	< 2000	A34	L		A66	L	< 2000		
45										A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	2000-5000											
48										A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000											
51	A1	L	< 2000							A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	> 5000											
54	A1	L	> 5000							A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	> 5000	A34	L	2000-5000	A66	L	2000-5000		
58	A1	L	< 2000							A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	> 5000											
62	A1	L	< 2000							A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	> 5000	A26	L	< 2000								
100										A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000	A25	L	2000-5000											
112										A23	L	2000-5000	A24	L	< 2000	A2403	L	2000-5000	A25	L	< 2000											
114										A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	> 5000	A26	L	< 2000								
116										A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	2000-5000											
117	A1	L	< 2000							A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	2000-5000											
119	A1	L	< 2000							A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	> 5000	A26	L	< 2000								
120	A1	L	< 2000							A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	> 5000	A26	L	< 2000								
133										A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000	A25	L	< 2000											
136										A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	> 5000											
142										A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	> 5000											
143										A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000											
145	A1	L	< 2000							A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	> 5000	A26	L	< 2000								
147										A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	2000-5000											
149										A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000	A25	L	2000-5000											
157										A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	2000-5000											
162										A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	2000-5000											
164	A1	L	< 2000							A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000	A25	L	2000-5000											
165										A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000											
169	A1	L	< 2000							A23	F, E, L	2000-5000	A24	F, L	2000-5000	A2403	L	2000-5000	A25	F, E, L	2000-5000	A26	L	< 2000								
181	A1	L	< 2000							A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000											
185										A23	L	2000-5000	A24	L	< 2000	A2403	L	< 2000	A25	L	2000-5000											
195										A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000	A25	L	2000-5000											
197										A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	< 2000								
204	A1	L	2000-5000							A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	< 2000								
206	A1	L	< 2000							A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	2000-5000											
209	A1	L	< 2000							A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	> 5000	A26	L	< 2000								
214										A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000	A25	L	< 2000											
216										A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000	A25	L	< 2000											
218										A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000	A25	L	< 2000	A26	F		A34	F						
222										A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000	A25	L	< 2000											
227	A1	L	< 2000							A23	L	2000-5000	A24	L	2000-5000				A25	L	> 5000											
232	A1	L	< 2000							A23	L	2000-5000	A24	L	2000-5000				A25	L	2000-5000											
239										A23	L	> 5000	A24	L	> 5000				A25	L	> 5000											
242										A23	L	> 5000	A24	L	2000-5000				A25	L	> 5000											

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HLA specificity for assessment		A29 Present 93.0%		A30 Not Assessed 36.2%		A31 Absent 2.8%		A32 Present 94.4%		A33 Present 85.9%		A74 Absent 4.2%		A68 Absent 2.8%		A69 Absent 1.4%		A36 Not Assessed 5.6%		A43 Not Assessed 59.2%			
Consr %	A11 Absent 4.2%	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	
9					A29 L > 5000																		
11					A29 L 2000-5000																		
12					A29 L > 5000																		
14					A29 L 2000-5000																		
15					A29 L 2000-5000																		
19					A29 L 2000-5000																		
20					A29 L 2000-5000																		
23					A29 L > 5000																		
24					A29 L 2000-5000																		
25					A29 L 2000-5000																		
26					A29 L 2000-5000																		
28					A29 L 2000-5000																		
34	A11	L	< 2000		A29 L > 5000																		
35					A29 L 2000-5000																		
38					A29 L 2000-5000																		
39					A29 L 2000-5000																		
41					A29 L > 5000																		
42					A29 L 2000-5000																		
45					A29 L 2000-5000																		
48					A29 L > 5000																		
51					A29 L 2000-5000																		
54					A29 L > 5000																		
58					A29 L 2000-5000																		
62					A29 L > 5000																		
100					A29 L 2000-5000																		
112					A29 L < 2000																		
114					A29 L > 5000																		
116					A29 L 200-5000																		
117					A29 L 2000-5000																		
119					A29 L > 5000																		
120					A29 L 2000-5000																		
133					A29 L < 2000																		
136					A29 L 2000-5000																		
142					A29 L 2000-5000																		
143					A29 L > 5000																		
145					A29 L 2000-5000																		
147					A29 L 2000-5000																		
149					A29 L < 2000																		
157					A29 L 2000-5000																		
160					A29 L 2000-5000																		
162					A29 L 2000-5000																		
164					A29 L 2000-5000																		
165					A29 F, E, L 2000-5000																		
169					A29 L > 5000																		
181					A29 L 2000-5000																		
185					A29 L < 2000																		
195					A29 L 2000-5000																		
197					A29 L > 5000																		
204					A29 L 2000-5000																		
206					A29 L 2000-5000																		
209					A29 L 2000-5000																		
214																							
216																							
218					A29 L < 2000																		
222					A29 F > 5000																		
227					A29 L > 5000																		
232					A29 L 2000-5000																		
239					A29 L 2000-5000																		
242					A29 L > 5000																		
252																							
267					A29 L < 2000																		
268					A29 L < 2000																		
273					A29 L 2000-5000																		
277					A29 L 2000-5000																		
284					A29 L 2000-5000																		
293					A29 L 2000-5000																		
302																							
303	A11	L	< 2000		A29 L 2000-5000																		
309					A29 L 2000-5000																		
351	A11	L	< 2000		A29 L 2000-5000																		
361					A29 L < 2000																		

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

3	< 2000	66	< 2000	25	< 2000	2	< 2000	67	< 2000	61	< 2000	3	< 2000	2	< 2000	1	< 2000	4	< 2000	42	< 2000
71	3	71	8	71	22	71	2	71	8	71	13	71	2	71	1	71	1	71	3	71	32
	2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
	0	42	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000
	0	15	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 305/2017

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HLA specificity for assessment																															
B50		B54				B55				B56				B27		B35				B37		B61				B41		B42		B46	
Consr	Present	Not Assessed		Present		Absent		Present		Absent		Present		Absent		Present		Absent		Present		Absent		Present		Absent		Present			
% res	91.5%	16.9%		1.4%		2.8%		98.6%		76.1%		2.8%		1.4%		2.8%		1.4%		2.8%		1.4%		2.8%		85.9%					
Lab n	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	B50	L	> 5000	B54	L	2000-5000																									
11	B50	L	2000-5000				B56	L	> 5000					B35	L	> 5000	B37	L	2000-5000							B46	L	> 5000			
12	B50	L	> 5000	B54	L	< 2000								B35	L	> 5000	B37	L	< 2000							B46	L	< 2000			
14	B50	L	2000-5000				B56	L	> 5000					B35	L	> 5000	B37	L	2000-5000							B46	L	> 5000			
15	B50	L	2000-5000				B56	L	2000-5000					B35	L	> 5000	B37	L	< 2000							B46	L	2000-5000			
19	B50	L	2000-5000				B56	L	2000-5000					B35	L	> 5000	B37	L	< 2000							B46	L	< 2000			
20	B50	L	2000-5000				B56	L	2000-5000					B35	L	> 5000	B37	L	< 2000							B46	L	< 2000			
23	B50	L	2000-5000				B56	L	> 5000					B35	L	> 5000	B37	L	2000-5000							B46	L	2000-5000			
24	B50	L	2000-5000				B56	L	2000-5000					B35	L	> 5000	B37	L	< 2000							B46	L	< 2000			
25	B50	L	2000-5000				B56	L	2000-5000					B35	L	> 5000	B37	L	2000-5000							B46	L	2000-5000			
26	B50	L	2000-5000				B56	L	2000-5000					B35	L	> 5000	B37	L	< 2000							B46	L	< 2000			
28	B50	L	2000-5000	B54	L	< 2000								B35	L	> 5000	B37	L	2000-5000							B46	L	2000-5000			
34	B50	L	> 5000	B54	L	< 2000								B35	L	> 5000	B37	L	< 2000							B46	L	< 2000			
35	B50	L	2000-5000				B56	L	2000-5000					B35	L	> 5000	B37	L	2000-5000							B46	L	2000-5000			
38	B50	L	2000-5000				B56	L	< 2000					B35	L	> 5000	B37	L	< 2000							B46	L	< 2000			
39	B50	L	2000-5000				B56	L	2000-5000					B35	L	> 5000	B37	L	< 2000							B46	L	< 2000			
41	B50	L	2000-5000				B56	L	2000-5000					B35	L	> 5000	B37	L	2000-5000							B46	L	2000-5000			
42	B50	L	2000-5000	B54	L	< 2000								B35	L	> 5000	B37	L	< 2000							B46	L	< 2000			
45	B50	L	2000-5000				B56	L	2000-5000					B35	L	> 5000	B37	L	2000-5000							B46	L	2000-5000			
48	B50	L	> 5000				B56	L	> 5000					B35	L	> 5000	B37	L	< 2000							B46	L	< 2000			
51	B50	L	2000-5000	B54	L	< 2000								B35	L	> 5000	B37	L	2000-5000							B46	L	2000-5000			
54	B50	L	> 5000	B54	L	2000-5000								B35	L	> 5000	B37	L	> 5000							B46	L	> 5000			
58	B50	L	2000-5000	B54	L	< 2000								B35	L	> 5000	B37	L	< 2000							B46	L	< 2000			
62	B50	L	2000-5000				B56	L	2000-5000					B35	L	> 5000	B37	L	2000-5000							B46	L	2000-5000			
100	B50	L	2000-5000				B56	L	2000-5000					B35	L	> 5000	B37	L	< 2000							B46	L	< 2000			
112	B50	L	2000-5000				B56	L	< 2000					B35	L	> 5000	B37	L	< 2000							B46	L	< 2000			
114	B50	L	2000-5000				B56	L	> 5000					B35	L	> 5000	B37	L	2000-5000							B46	L	> 5000			
116	B50	L	2000-5000				B56	L	2000-5000					B35	L	> 5000	B37	L	< 2000							B46	L	< 2000			
117	B50	L	2000-5000				B56	L	2000-5000					B35	E, L	> 5000	B37	L	< 2000							B46	L	< 2000			
119	B50	L	> 5000				B56	L	> 5000					B35	L	> 5000	B37	L	2000-5000							B46	L	> 5000			
120	B50	L	2000-5000				B56	L	2000-5000					B35	L	> 5000	B37	L	< 2000							B46	L	< 2000			
133	B50	L	< 2000				B56	L	< 2000					B35	L	2000-5000			< 2000							B46	L	< 2000			
136	B50	L	2000-5000				B56	L	2000-5000					B35	L	> 5000	B37	L	< 2000							B46	L	< 2000			
142	B50	L	2000-5000				B56	L	2000-5000					B35	L	> 5000	B37	L	< 2000							B46	L	< 2000			
143	B50	L	> 5000				B56	L	> 5000					B35	L	> 5000	B37	L	< 2000							B46	L	< 2000			
145	B50	L	2000-5000				B56	L	2000-5000					B35	L	> 5000	B37	L	< 2000							B46	L	< 2000			
147	B50	L	2000-5000				B56	L	2000-5000					B35	L	> 5000			< 2000							B46	L	< 2000			
149	B50	L	< 2000				B56	L	< 2000					B35	L	2000-5000	B37	L	< 2000							B46	L	< 2000			
157	B50	L	2000-5000				B56	L	2000-5000					B35	L	> 5000	B37	L	2000-5000							B46	L	2000-5000			
160	B50	L	2000-5000				B56	L	2000-5000					B35	L	> 5000	B37	L	< 2000							B46	L	< 2000			
162	B50	L	< 2000				B56	L	< 2000					B35	L	> 5000			< 2000							B46	L	< 2000			
164	B50	L	2000-5000				B56	L	2000-5000					B35	L	> 5000	B37	L	2000-5000							B46	L	> 5000			
165	B50	F, L	2000-5000	B54	F, E		B56	F, E, L	2000-5000					B35	F, E, L	> 5000	B37	F	< 2000							B46	F, L	< 2000			
169	B50	L	> 5000				B56	L	> 5000					B35	L	> 5000	B37	L	2000-5000							B46	L	> 5000			
181	B50	L	2000-5000				B56	L	2000-5000					B35	L	> 5000	B37	L	< 2000							B46	L	< 2000			
185	B50	L	< 2000				B56	L	< 2000					B35	L	> 5000	B37	L	< 2000							B46	L	< 2000			
195	B50	L	2000-5000				B56	L	2000-5000					B35	L	> 5000			< 2000							B46	L	< 2000			
197	B50	L	> 5000	B54	L	< 2000								B35	L	2000-5000			< 2000							B46	L	< 2000			
204	B50	L	> 5000	B54	L	< 2000								B35	L	> 5000	B37	L	2000-5000							B46	L	> 5000			
206	B50	L	2000-5000				B56	L	2000-5000					B35	L	> 5000	B37	L	< 2000							B46	L	< 2000			
209	B50	L	2000-5000	B54	L	< 2000								B35	L	> 5000	B37	L	< 2000							B46	L	< 2000			
214														B35	L	< 2000			< 2000							B46	L	< 2000			
216																															
218	B50	L	< 2000				B56	L	< 2000					B35	L	> 5000	B37	L	< 2000							B46	L	< 2000			
222	B50	F					B56	F		B27	F			B35	F					B61	F					B42	F				
227	B50	L	2000-5000				B56	L	2000-5000					B35	L	> 5000	B37	L	2000-5000							B46	L	2000-5000			
232	B50	L	2000-5000				B56	L	2000-5000					B35	L	> 5000	B37	L	< 2000							B46	L	< 2000			
239							B56	L	2000-5000					B35	L	> 5000			< 2000							B46	L	< 2000			
242	B50	L	2000-5000				B56	L	> 5000					B35	L	> 5000	B37	L	2000-5000							B46	L	2000-5000			
252														B35	L	> 5000			< 2000							B46	L	< 2000			
267	B50	L	< 2000				B56	L	< 2000					B35	L	2000-5000			< 2000							B46	L	< 2000			
268	B50	L	< 2000				B56	L	< 2000					B35																	

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HLA specificity for assessment																																					
B47 Absent 2.8%		B48 Absent 4.2%				B53 Present 83.2%				B59 Present 88.7%				B67 Absent 1.4%		B71 Present 93.9%				B72 Present 97.2%				B73 Absent 2.8%		B78 Present 97.2%				B81 Absent 1.4%		B82 Absent 1.4%		Cw1 Absent 1.4%			
Consr %	Lab n	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI			
9					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	> 5000					B78	L	> 5000										
11					B53	L	> 5000	B59	L	2000-5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
12				B48	L	< 2000	B53	L	> 5000	B59	L	> 5000			B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
14					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
15					B53	L	> 5000	B59	L	2000-5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
19					B53	L	> 5000	B59	L	2000-5000					B71	L	> 5000	B72	L	< 2000					B78	L	> 5000										
20					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
23					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
24					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
25					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
26					B53	L	> 5000	B59	L	2000-5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
28					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
34					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
35					B53	L	> 5000	B59	L	2000-5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
38					B53	L	> 5000	B59	L	2000-5000					B71	L	2000-5000	B72	L	2000-5000					B78	L	> 5000										
39					B53	L	> 5000	B59	L	2000-5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
41					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
42					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
45					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
48					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
51					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
54					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	> 5000					B78	L	> 5000										
58					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
62					B53	L	> 5000	B59	L	2000-5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
100					B53	L	> 5000	B59	L	2000-5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
112					B53	L	> 5000	B59	L	2000-5000					B71	L	> 5000	B72	L	< 2000					B78	L	> 5000										
114					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
116					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
117					B53	E, L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	< 2000					B78	E, L	> 5000										
119					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
120					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
133					B53	L	2000-5000	B59	L	< 2000					B71	L	2000-5000	B72	L	< 2000					B78	L	> 5000										
136					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
142					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
143					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
145					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
147					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	< 2000					B78	L	> 5000										
149					B53	L	> 5000	B59	L	< 2000					B71	L	2000-5000	B72	L	< 2000					B78	L	> 5000										
157					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
160					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
162					B53	L	> 5000	B59	L	2000-5000					B71	L	2000-5000	B72	L	< 2000					B78	L	> 5000										
164					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
165					B53	F, E, L	> 5000	B59	F, L	> 5000					B71	F, E, L	> 5000	B72	L	2000-5000					B78	F, E, L	> 5000										
169					B53	L	> 5000	B59	L	> 5000					B71	L	2000-5000	B72	L	2000-5000					B78	L	2000-5000										
181					B53	L	> 5000	B59	L	2000-5000					B71	L	> 5000	B72	L	< 2000					B78	L	> 5000										
185					B53	L	> 5000	B59	L	2000-5000					B71	L	> 5000	B72	L	< 2000					B78	L	> 5000										
195					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
197					B53	L	2000-5000	B59	L	> 5000					B71	L	2000-5000	B72	L	2000-5000					B78	L	> 5000										
204					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
206					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	2000-5000					B78	L	2000-5000										
209					B53	L	> 5000	B59	L	> 5000					B71	L	> 5000	B72	L	2000-5000					B78	L	> 5000										
214																									B78	L	> 5000										
216																									B78	L	2000-5000										
2																																					

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

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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	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative			
9	L	None	No			LS1A04	500	9400	29.7																			
11	L	EDTA	No	16		LS1A04	500	12505	43	LSM12	Ratio 3	17632	70															
12	L	EDTA	No	16	A*33:01	LS1A04	1500	13913	17																			
14	L	Heat/EDTA	No	16	A*33:01	LS1A04	1000	10581	15																			
15	L	EDTA	No	16	A*33:01	LS1A04	1000	11058	27																			
19	L	None	No	16	OLINS	LS1A04	1000	11476	32																			
20	C/L	EDTA	No	16	A*33:01	LS1A04	1000	9507	16.33																			
23	L	EDTA	No	16	A*30:02 A*33:01	LS1A04	1000	12156	22	LSM12	4.5	11250	27	LSA1	1500	19979	196	LS1PRA	1000	15656	21							
24	L	EDTA	No	16	A*30:02 A*33:01	LS1A04	1000	12932	19	LSM12	7	12837	110	LSA1	1500	20922	257											
25	L	EDTA	No	16	A*33:01	LS1A04	500	10514	17																			
26	L	EDTA	No	16	A*33:01	LS1A04	1000	16782	13																			
28	L	EDTA	No	16	A*30:02 A*33:01	LS1A04	1187	10304	10																			
34	L	EDTA	Yes	16	A*11:02 A*33:01 A830:02	LS1A04	990	11472	25																			
35	L	EDTA	No	16	A*33:01	LS1A04	1000	16782	13																			
38	L	EDTA	No	16	B*51:03	LS1A04	1187	10304	10																			
39	L	EDTA	No	16	LS-NC015 A*68:02	LS1A04	1380	11543	53																			
41	L	None	No	15	A*33:01	LS1A04	2000	9539	32																			
42	C/L	EDTA	No	16	A*33:01 A*34:02 A*66:02	LS1A04	500	8786	35																			
45	L	Beads	No	22	A*33:01	LS1A04	1500	11000	30																			
48	L	Heat	No	22	A*33:01	LS1A04	1500	11000	30																			
51	L	EDTA	No	16	A*33:01	LS1A04	1000	8501	43																			
54	L	EDTA	No	16	A*33:01	LS1A04	1550	14839	201																			
58	L	EDTA	No	15	A*33:03 A*30:02	LS1A04	1000	12098	26	LSM12	3	13215	11	LSA1	1000	16080	299	LSA1	500	21212	389							
62	L	None	No	16	A*33:03 A*30:02	LS1A04	1000	11099	18.61																			
100	L	None	No	111868	A*33:01	LS1A04	>SCORE4	11973	14																			
112	L	None	No	110868	A*33:01	LS1A04	1000	6790	22																			
114	L	EDTA	No	16	A*33:01	LS1A04	1000	9113	83	LSM12		9855	37															
116	C/L	EDTA	No	16	A*33:01	LS1A04	1000	9071	11																			
117	E/L	None	No	16	A*33:01	LS1A04	500	8799	16	LSM12	Ratio 1.5	11168	24															
119	L	EDTA/Heat	No	16	A*33:01 A*30:02	LS1A04	>1000	8799	16					LSA1	500	20555	179											
120	L	EDTA	No	16	A*33:01 A*30:02	LS1A04	500	8869	12																			
133	L	Heat	No	16	A*30:02 A*33:01	LS1A04	1000	12546	18					LSA1	500	20555	179											
136	C/L	None	No	16	A*33:01	LS1A04	1000	10216	9																			
142	L	EDTA	No	16	A*33:01	LS1A04	1000	9797	10.26																			
143	L	None	No	NC15	A*30:02 A*33:01	LS1A04	1000	20841	48																			
146	L	None	No	16	A*33:01	LS1A04	1000	17372	70																			
147	L	None	No	16	A*33:01	LS1A04	>1500	10721	28.5	LSM12	Ratio >1.5	11270	27															
149	L	None	No	16	A*33:01	LS1A04	100	11583	19					LSA1		22191	363											
157	L	EDTA	No	14	A*33:01	LS1A04	900	10370	21																			
160	L	Beads	No	16	A*33:01	LS1A04	1000	9797	10.26	LSM12	3	5383.8	5.97															
162	L	EDTA	No	16	A*33:01	LS1A04	1000	17663	32																			
164	L	EDTA	No	22.1	A*33:01	LS1A04	336	11293	34																			
165	E/F/L	Dilution	No	22.1	In House	LS1A04	336	11293	34																			
169	L	None	No	98264	LS1A04	500	6143	11																				
181	L	None	Yes	98264	LS1A04	500	8461	26	LSM12	2.5	11219	70	LSA1		21166	159	LM1		19617	528								
185	L	EDTA	No	16	A*33:01	LS1A04	2000	13813	26																			
195	L	None	No	16	A*30:02 A*33:01	LS1A04	1000	14133	16																			
197	L	EDTA	No	16	A*33:01	LS1A04	1000	9539	40																			
204	L	EDTA	No	16	A*33:01	LS1A04	1000	9539	40																			
206	C/L	EDTA	No	16	A*30:02 A*33:01	LS1A04	500	11418	49																			
209	C/L	EDTA/Beads	No	3003777	B*35:01 B*83:08	LS1A04	500	16489	228	LSA	500	16489	228															
214	L	None	No	3003777	B*35:01 B*83:08	LS1A04	500	16489	228																			
216	L	None	No	3003777	B*35:01 B*83:08	LS1A04	500	16489	228																			
218	L	Heat	No	3003777	A*23:01 A*24:02 A*24:03 A*25:01 A*29:02 A*32:01 A*33:01 A*33:03 A*34:01 B*14:02/B65 B*15:01/B62 B*15:02/B75 B*15:03/B72 B*15:13/B77 B*15:16/B63 B*15:18/B71 B*18:01 B*35:01 B*35:08 B*37:01 B*38:01 B*46:01 B*49:01 B*50:01 B*51:01 B*52:01 B*53:01 B*56:01 B*57:01 B*58:01 B*59:01 B*78:01 C*03:03/Cw9 C*03:04/Cw10	LSA1	19390		LM1	1000	19636	38	LMX		14453													
222	L	None	No	3003777	A*26:01 A*29:02 A*32:01 A*33:01 A*33:03 A*34:01 B*33:01 B*33:03 A*34:01 B*13:02 B*27:05 B*27:06 B*35:01 B*38:01 B*42:01 B*47:01 B*49:01 B*50:01 B*51:01 B*52:01 B*53:01 B*56:01 B*58:01 B*40:01 B*14:01 B*14:02 B*15:10 B*15:16 B*73:01 B*15:02 B*15:21 B*78:01	LSA1	19390		LM1	1000	19636	38	LMX		14453													
227	L	EDTA/DI	No	16	A*33:01	LS1A04	1200	7791	14																			
229	L	None	No	NC16	A*33:01	LS1A04	25278	28.84						LM1	1200	21744	267											
232	L	None	No	NC16	A*33:01	LS1A04	25278	28.84						LM1	2	18.676	0.378											
239	L	Beads	No	16	A*33:01	LS1A04	1500	14738	26					LSA1	>500	19189	281	LM1	1000	15928	594							
242	L	None	No	16	A*33:01	LS1A04	500	8392	16					LSA1	1500/3/4	28811	144											
252	L	EDTA	No	16	A*33:01	LS1A04	1000	9762	27																			
267	L	None	No	16	A*33:01	LS1A04	500	12090	16	LS1PRA	500	12090	16	LSA1														
268	C/L	None	No	16	A*32:01 B*15:01 B*15:02 B*15:16 B*15:18 B*35:01 B*35:08 B*49:01 B*53:01 B*56:01 B*78:01	LS1A04	1000	8591	37					LSA1	600	18000	260											
273	L	EDTA	No	16	A*33:01	LS1A04	1000	9762	27																			
277	L	EDTA	No	16	A*33:01	LS1A04	1000	9762	27																			
284	L	EDTA	No	16	A*33:01	LS1A04	500	12090	16	LS1PRA	500	12090	16	LSA1														
293	L	None	No	16	A*33:01	LS1A04	1000	9762	27																			
302	L	None	No	16	A*32:01 B*15:01 B*15:02 B*15:16 B*15:18 B*35:01 B*35:08 B*49:01 B*53:01 B*56:01 B*78:01	LS1A04	1000	8591	37					LSA1	600	18000	260											
303	L	EDTA	No	16	A*33:01	LS1A04	1000	9762	27																			
306	L	EDTA	No	16	A*33:01	LS1A04	1000	9762	27																			
351	L	EDTA	No	16	A*33:01	LS1A04	1000	9762																				