

UK NEQAS FOR H&I SCHEME 3 - HLA SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 301/2015

Summary

DISPATCHED ON 10TH FEBRUARY 2015	Number of specificities present	5
	Number of specificities absent	10
	Number of specificities not assessed	10

HLA specificity for assessment		A66 Present 93.6%		A29 Absent 1.3%		A68 Absent 1.3%		B7 Present 80.8%		B703 Not Assessed 6.4%		B8 Absent 1.3%		B13 Not Assessed 69.2%		B64 Absent 1.3%		B65 Absent 1.3%		
Lab no.	Consens % report	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	
9	A34	L		2000-5000	A66	L	> 5000	B7	L	< 2000				B13	L	< 2000				
11					A66	L	2000-5000													
12	A34	L		2000-5000	A66	L	2000-5000	B7	L	< 2000				B13	L	< 2000				
14					A66	L	2000-5000													
15	A34	L		2000-5000	A66	L	> 5000	B7	L	< 2000				B13	L	< 2000				
19	A34	L		< 2000	A66	L	> 5000	B7	L	< 2000				B13	L	< 2000				
20	A34	L		< 2000	A66	L	> 5000	B7	L	< 2000				B13	L	< 2000				
23	A34	L		< 2000	A66	L	> 5000	B7	L	< 2000-5000				B13	L	< 2000				
24	A34	L		< 2000	A66	L	2000-5000	B7	L	< 2000				B13	L	2000-5000				
25	A34	L		< 2000	A66	L	< 2000	B7	L	< 2000										
26					A66	L	2000-5000													
28	A34	L		2000-5000	A66	L	2000-5000	B7	L	< 2000				B13	L	< 2000				
34	A34	L		< 2000	A66	L	2000-5000	B7	L	< 2000				B13	L	< 2000				
35																				
38					A66	L	2000-5000	B7	L	2000-5000				B13	L	2000-5000				
39					A66	L	> 5000													
41	A34	L		2000-5000	A66	L	> 5000	B7	L	2000-5000				B13	L	2000-5000				
42	A34	L		< 2000	A66	L	> 5000	B7	L	< 2000				B13	L	< 2000				
45	A34	L		2000-5000	A66	L	> 5000	B7	L	< 2000				B13	L	< 2000				
48	A34	L		2000-5000	A66	L	> 5000	B7	L	2000-5000				B13	L	2000-5000				
51	A34	L		2000-5000	A66	L	> 5000	B7	L	< 2000				B13	L	< 2000				
54	A34	L		< 2000	A66	L	2000-5000	B7	L	< 2000				B13	L	< 2000				
58	A34	L		2000-5000	A66	L	> 5000	B7	L	< 2000				B13	L	< 2000				
62					A66	L	> 5000	B7	L	2000-5000				B13	L	< 2000				
100					A66	L	> 5000	B7	L	2000-5000	B703	L	2000-5000	B13	L	< 2000				
101					A66	L	2000-5000													
112					A66	L	< 2000	B7	L	< 2000				B13	L	< 2000				
114	A34	L		< 2000	A66	L	2000-5000	B7	L	< 2000				B13	L	< 2000				
116	A34	L		< 2000	A66	L	> 5000	B7	L	2000-5000				B13	L	< 2000				
117	A34	L		< 2000	A66	L	> 5000	B7	L	< 2000				B13	L	< 2000				
119	A34	L		< 2000	A66	L	> 5000	B7	L	2000-5000				B13	L	< 2000, 2000-5000				
120					A66	L	2000-5000	B7	L	< 2000				B13	L	< 2000				
136	A34	L		< 2000	A66	L	2000-5000	B7	L	< 2000				B13	L	< 2000				
139	A34	L		< 2000	A66	L	> 5000	B7	L	< 2000				B13	L	< 2000				
142	A34	L		< 2000	A66	L	> 5000	B7	L	< 2000				B13	L	< 2000				
143								B7	L	< 2000				B13	L	< 2000				
145					A66	L	< 2000, 2000-5000	B7	L	2000-5000				B13	L	< 2000				
147	A34	L		< 2000	A66	L	2000-5000	B7	L	< 2000				B13	L	2000-5000				
148					A66	L	2000-5000	B7	L	< 2000	B703	L	< 2000	B13	L	< 2000				
157	A34	L		< 2000	A66	L	> 5000	B7	L	< 2000				B13	L	< 2000				
159	A34	L		2000-5000	A66	L	2000-5000	B7	L	< 2000				B13	L	< 2000				
162					A66	L	2000-5000	B7	L	< 2000				B13	L	< 2000				
163	A34	L		< 2000	A66	L	2000-5000													
164	A34	L		2000-5000	A66	L	2000-5000	B7	L	2000-5000				B13	L	2000-5000				
165	A34	F+L		< 2000	A66	F+L	2000-5000	B7	F+L	< 2000				B13	F+L	< 2000				
169					A66	L	2000-5000	A29	L	< 2000	A68	L	2000-5000	B8	L	2000-5000	B64	L	2000-5000	
181	A34	L		< 2000	A66	L	2000-5000	B7	L	< 2000				B13	L	< 2000				
185					A66	L	< 2000	B7	L	< 2000	B703	L	< 2000	B13	L	< 2000				
186	A34	L		2000-5000	A66	L	> 5000	B7	L	2000-5000				B13	L	2000-5000				
190	A34	L		< 2000	A66	L	2000-5000	B7	L	< 2000				B13	L	< 2000				
193					A66	L	> 5000	B7	L	< 2000				B13	L	< 2000				
194	A34	L		2000-5000	A66	C+L	> 5000	B7	L	> 2000				B13	L	< 2000				
195	A34	L		< 2000	A66	L	2000-5000	B7	L	< 2000				B13	L	< 2000				
197																				
204					A66	L	2000-5000	B7	L	2000-5000				B13	L	< 2000				
206	A34	L		< 2000	A66	L	> 5000	B7	L	< 2000										
209	A34	L		< 2000	A66	L	> 5000	B7	L	< 2000				B13	L	< 2000				
210																				
218					A66	L	< 2000													
227	A34	L		2000-5000	A66	L	> 5000	B7	L	2000-5000				B13	L	2000-5000				
232	A34	L		< 2000	A66	L	2000-5000	B7	L	< 2000										
235																				
238					A66	L	< 2000	B7	L	< 2000	B703	L	< 2000							
243					A66	L	2000-5000	B7	L	< 2000				B13	L	< 2000				
245	A34	L		< 2000	A66	L	2000-5000	B7	L	2000-5000				B13	L	< 2000				
262					A66	L	2000-5000	B7	L	< 2000										
267					A66	L	< 2000													
288					A66	L	2000-5000													
273	A34	L		2000-5000	A66	L	> 5000	B7	L	2000-5000				B13	L	< 2000				
277	A34	L		< 2000	A66	L	2000-5000	B7	L	< 2000				B13	L	< 2000				
284					A66	L	2000-5000													
292	A34	L		< 2000	A66	L	2000-5000	B7	L	< 2000				B13	L	< 2000				
283								B7	L	< 2000				B13	L	< 2000				
294					A66	L	2000-5000	B7	L	< 2000										
297					A66	L	> 5000	B7	L	< 2000	B703	L	< 2000	B13	L	< 2000				
301								B7	L	< 2000										
303					A66	L	2000-5000	B7	L	< 2000				B13	L	< 2000				
309					A66	L	> 5000	B7	L	< 2000				B13	L	< 2000				
311					A66	L	> 5000													
315	A34	L		2000-5000	A66	L	2000-5000	B7	L	< 2000				B13	L	< 2000				

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

Number	44	< 2000	73	< 2000	1	< 2000	63	< 2000	5	< 2000	1	< 2000	54	< 2000	1	< 2000	1	< 2000
Total	78	0	78	0	78	0	78	0	78	0	78	0	78	0	78	0	78	0
		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
	16	> 5000	36	> 5000	0	> 5000	15	> 5000	1	> 5000	1	> 5000	8	> 5000	1	> 5000	0	> 5000
	0		30		0		0		0		0		0		0		0	

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HLA specificity for assessment		B39			B55			B27			B2708			B37			B60			B61			B41			B42			B47		
Consens % report		Absent 1.3%		Present 1.3%		Absent 1.3%		Present 91.0%		Not Assessed 55.1%		Absent 2.6%		Present 76.9%		Present 80.8%		Not Assessed 11.6%		Absent 2.6%		Not Assessed 14.1%									
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						B27	L		2000-5000	B2708	L	2000-5000			B60	L	< 2000	B61	L	< 2000	B41	L	< 2000			B47	L	< 2000			
11						B27	L		< 2000						B60	L	< 2000	B61	L	< 2000	B41	L	< 2000								
12						B27	L		< 2000	B2708	L	2000-5000			B60	L	< 2000	B61	L	< 2000											
14						B27	L		< 2000																						
15						B27	L		< 2000	B2708	L	2000-5000	B37	L	2000-5000	B60	L	< 2000	B61	L	< 2000										
19						B27	L		2000-5000	B2708	L	2000-5000	B37	L	2000-5000	B60	L	< 2000	B61	L	< 2000										
20						B27	L		< 2000	B2708	L	2000-5000			B60	L	< 2000	B61	L	< 2000											
23						B27	L		2000-5000	B2708	L	2000-5000			B60	L	2000-5000	B61	L	< 2000	B41	L	< 2000			B47	L	< 2000			
24						B27	L		< 2000	B2708	L	< 2000			B60	L	< 2000	B61	L	< 2000											
25						B27	L		< 2000						B60	L	< 2000	B61	L	< 2000											
26										B2708	L	< 2000			B60	L	< 2000	B61	L	< 2000	B41	L	< 2000								
28						B27	L		2000-5000	B2708	L	2000-5000			B60	L	< 2000	B61	L	< 2000											
34						B27	L		< 2000	B2708	L	< 2000			B60	L	< 2000	B61	L	< 2000											
35																															
38						B27	L		2000-5000	B2708	L	2000-5000			B60	L	2000-5000	B61	L	< 2000											
39						B27	L		< 2000																						
41						B27	L		2000-5000	B2708	L	2000-5000			B60	L	2000-5000	B61	L	< 2000											
42						B27	L		< 2000	B2708	L	2000-5000			B60	L	< 2000	B61	L	< 2000											
45						B27	L		< 2000	B2708	L	< 2000			B60	L	< 2000	B61	L	< 2000											
48						B27	L		2000-5000	B2708	L	2000-5000			B60	L	2000-5000	B61	L	< 2000-5000	B41	L	< 2000			B47	L	< 2000			
51						B27	L		2000-5000	B2708	L	2000-5000			B60	L	< 2000	B61	L	< 2000											
54						B27	L		< 2000	B2708	L	2000-5000			B60	L	< 2000	B61	L	< 2000	B41	L	< 2000								
58						B27	L		2000-5000	B2708	L	2000-5000			B60	L	< 2000	B61	L	< 2000											
62						B27	L		2000-5000	B2708	L	2000-5000			B60	L	< 2000	B61	L	< 2000											
100						B27	L		2000-5000	B2708	L	2000-5000			B60	L	2000-5000	B61	L	2000-5000						B47	L	< 2000			
101						B27	L		< 2000																						
112						B27	L		< 2000	B2708	L	< 2000			B60	L	< 2000	B61	L	< 2000											
114						B27	L		2000-5000	B2708	L	2000-5000			B60	L	< 2000	B61	L	< 2000											
116						B27	L		2000-5000	B2708	L	2000-5000			B60	L	< 2000	B61	L	< 2000											
117						B27	L		2000-5000	B2708	L	2000-5000			B60	L	< 2000	B61	L	< 2000											
119						B27	L		2000-5000	B2708	L	2000-5000			B60	L	2000-5000	B61	L	< 2000, 2000-5000	B41	L	< 2000								
120						B27	L		2000-5000						B60	L	< 2000	B61	L	< 2000											
136						B27	L		2000-5000	B2708	L	2000-5000			B60	L	< 2000	B61	L	< 2000											
139						B27	L		2000-5000	B2708	L	2000-5000			B60	L	< 2000	B61	L	< 2000											
142						B27	L		2000-5000																						
143						B27	L		2000-5000						B60	L	< 2000	B61	L	< 2000											
145						B27	L		2000-5000	B2708	L	2000-5000			B60	L	< 2000	B61	L	< 2000											
147						B27	L		2000-5000	B2708	L	2000-5000			B60	L	2000-5000	B61	L	< 2000, 2000-5000											
149						B27	L		< 2000	B2708	L	< 2000			B60	L	< 2000	B61	L	< 2000											
157						B27	L		2000-5000	B2708	L	2000-5000			B60	L	< 2000	B61	L	< 2000											
159						B27	L		2000-5000						B60	L	< 2000	B61	L	< 2000											
162						B27	L		< 2000	B2708	L	< 2000			B60	L	< 2000	B61	L	< 2000											
163																															
164						B27	L		2000-5000						B60	L	2000-5000	B61	L	2000-5000											
165						B27	F+L		2000-5000						B60	F+L	< 2000	B61	F+L	< 2000											
169						B27	L		< 2000	B2708	L	< 2000			B60	L	< 2000	B61	L	< 2000											
181						B27	L		< 2000						B60	L	< 2000	B61	L	< 2000											
185				B55	L	< 2000	B27	L	< 2000	B2708	L	< 2000			B60	L	< 2000	B61	L	< 2000						B42	L	< 2000	B47	L	< 2000
186						B27	L		2000-5000	B2708	L	2000-5000			B60	L	2000-5000	B61	L	2000-5000											
190						B27	L		< 2000	B2708	L	2000-5000			B60	L	< 2000	B61	L	< 2000											
193						B27	L		2000-5000	B2708	L	2000-5000			B60	L	< 2000	B61	L	< 2000											
194						B27	C+L		< 2000						B60	L	< 2000	B61	L	< 2000											
195						B27	L		2000-5000						B60	L	< 2000	B61	L	< 2000											
197																															
204						B27	L		2000-5000	B2708	L	2000-5000			B60	L	< 2000	B61	L	< 2000											
206						B27	L		< 2000						B60	L	< 2000	B61	L	< 2000											
209						B27	L		< 2000						B60	L	< 2000	B61	L	< 2000											
210																															
218																															
227						B27	L		2000-5000						B60	L	2000-5000	B61	L	2000-5000	B41	L	< 2000			B47	L	< 2000			
232						B27	L		2000-5000																						
235																															
238						B27	L		< 2000	B2708	L	< 2000			B60	L	< 2000	B61	L	< 2000											
243						B27	L		2000-5000						B60	L	< 2000	B61	L	< 2000						B42	L	< 2000	B47	L	< 2000
245						B27	L		2000-5000						B60	L	< 2000	B61	L	2000-5000											
262						B27	L		< 2000						B60	L	< 2000	B61	L	< 2000											
267						B27	L		< 20																						

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HLA specificity for assessment															
Lab no.	B48			B59			B67			B73			B81		
	Consens % report	Not Assessed 29.5%	tech	Absent 1.3%	tech	Not Assessed 10.3%	tech	Not Assessed 19.2%	tech	Not Assessed 73.1%	tech	tech	tech	tech	
	spec		MFI	spec		MFI	spec		MFI	spec		MFI	spec		MFI
9	B48	L	<2000												
11															
12	B48	L	<2000												
14															
15															
19															
20															
23	B48	L	<2000												
24															
25															
26															
28	B48	L	<2000												
34															
35															
38	B48	L	<2000												
39															
41															
42															
45															
48	B48	L	<2000												
51	B48	L	<2000												
54	B48	L	<2000												
58															
62															
100															
101															
112															
114															
116	B48	L	<2000												
117	B48	L	<2000												
119	B48	L	<2000												
120	B48	L	<2000												
136	B48	L	<2000												
139															
142															
143															
145	B48	L	<2000												
147															
149															
157	B48	L	<2000												
159															
162															
163															
164															
165															
169	B48	L	<2000												
181	B48	L	<2000												
185															
186	B48	L	<2000												
190															
193															
194															
195															
197															
204	B48	L	<2000												
206															
209	B48	L	<2000												
210															
218															
227	B48	L	2000-5000												
232															
235															
238															
243															
245															
262															
267															
268															
273															
277	B48	L	<2000												
284															
292	B48	L	<2000												
293															
294															
297															
301															
303															
309															
311															
315															

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

Number	23	<2000	1	<2000	8	<2000	15	<2000	57	<2000
Total	78	22	78	0	78	8	78	45	78	45
		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
		1		0		0		0		11
		>5000		>5000		>5000		>5000		>5000
		0		0		0		0		0

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Techniques used IgG	Sample Treatment IgG	Allele Specific Antibodies IgG	Luminex kit (lot)		Cut-off value	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot)		Cut-off value	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot)	Cut-off value	Control bead MFI Positive	Control bead MFI Negative
			IgG	IgG				IgG	IgG							
Lab no.																
9 Luminex	None	Not tested - A210, B5103, B703, B4005	LS1A04	500	15349	430										
11 Luminex	None		LS1A04	1000	12259	860	LSM12	2.5	9667	259						
12 Luminex	EDTA		LS1A04	500	15322	980										
14 Luminex	None		LS1A04	1500	12050	626	LSM12	3	12590	465						
15 Luminex	EDTA		LS1A04	1000	20291	248										
19 Luminex	EDTA	B*13:02	LS1A04	1000	20817	599										
20 CDC+Luminex	EDTA	B*13:02, B*40:02	LS1A04	500	12404	387										
23 Luminex	None	A*34:01	LS1A04	1000	15355	185										
24 Luminex	EDTA	A*34:01	LS1A04	1000	13040	201	LSA1	2000/5/5	17205	113			LS1PRA	1000	12600	342
25 Luminex	EDTA		LS1A04	1000	15197	687	LSA1	1500	18360	92						
26 Luminex	None		LS1A04	1200	13460	596										
28 Luminex	None		LS1A04	500	18346	307										
34 Luminex	None	A*34:01, B*13:02	LS1A04	500	10018	259										
35 CDC+Luminex	None		LS1PRA	100	9160	247	LSM12	2.1	25778	570						
38 Luminex	EDTA		LS1A04	1300	13410	215	LSM12	500	14864	327						
39 Luminex	EDTA		LS1A04	1500	19430	377										
41 Luminex	None	A*34:01, B*13:02	LS1A04	2000	11573	539										
42 CDC+Luminex	EDTA		LS1A04	500	1279	493	LSM12	4.5	6597	321						
45 Luminex	EDTA		LS1A04	1500	17583	1000										
48 Luminex	Heat Inactivation	A*34:01														
51 Luminex	EDTA		LS1A04	650	12426	318	LSM12	4.6	13242	586						
54 Luminex	None	A*34:01, B*13:02	LS1A04	750	16022	203	LSM12	350	15088	450						
58 Luminex	EDTA		LS1A04	1000	12629	750	LSM12	2.5-3.0	9922	123						
62 Luminex	None		LS1A04	1500	17659	217										
100 Luminex	None		LM1	561	18034	208	LSAI	1642	19420	186						
101 Luminex	None		LS1A04	1000	9542	142										
112 Luminex	None	A*66:01, A*66:02, B*07:02, B*13:02, B*27:05, B*81:01	LS1A04	>500	3523	44.56										
114 CDC+Luminex	None	A*34:01, B*13:02	LS1A04	1000	6309	164										
116 CDC+Luminex	Adsorb out		LS1A04	1000	18436	2089	LSM12		14381	220						
117 ELISA+Luminex	None		LS1A04	500	13866	336										
119 Luminex	EDTA	A*34:01	LS1A04	BNV>1000	15630	585	LSM12	Ratio>1.5	10947	67						
120 Luminex	None	B*13:02	LS1A04	500	13570	331										
136 CDC+Luminex	None	A*34:01	LS1A04	1000	17283	188										
139 Luminex	None		LS1A04	1000	16148	257	LSM12	4	16196	294						
142 Luminex	EDTA		LS1A04	1000	13825	283										
143 Luminex	None	B*13:02	LS1A04	1000	9077	83										
145 Luminex	None	B*13:02	LS1A04	1000	15445	273	LSM12	1.5/1.2	12857	476						
147 CDC+Luminex	None	A*34:01 pos, A*34:02 neg, B*13:02 pos, B*13:01 neg, B*40:02, B*40:06	LS1A04	MFI>1500	13691	375	LSM12	Ratio>5	15322	218						
149 Luminex	None		LSAI	10000	127-1612											
157 Luminex	EDTA	A*34:01, B*13:02	LS1A04	1000	16500	108										
159 CDC+Luminex	EDTA	A*34:01, B*13:02	LS1A04	1500	10980	284										
162 CDC+Luminex	EDTA		LS1A04	1000	16200	325	LSM12	3	17700	500						
163 Luminex	None	A*34:01	LS1A04	1500	11094	201										
164 CDC+Luminex	None	A*34:01	LS1A04	1000	9447	292										
165 Flow Cytometry+ELISA+Luminex	None		LS1A04	26.5	15433	582										
169 Luminex	None	A*29:02, A*66:02, A*68:01	LS1A04	1000	14905	386										
181 Luminex	None	A*66:02	LS1A04	2000	14621	180										
185 Luminex	EDTA		LM1		21912	97	LSAI		19052	127						
186 Luminex	None		LS1A04	1500	13770	472										
190 Luminex	EDTA		LS1A04	1000	15319	251										
193 Luminex	None		LS1A04	1000	14473	231										
194 CDC+Luminex	DTT		LS1A04	1000	14808	557										
195 Luminex	None		LS1A04	1000	15100	200										
197																
204 Luminex	EDTA		LS1A04	1000	9615	446										
206 Luminex	EDTA		LS1A04	1000	12714	437	LM1	3	17078	<130						
209 CDC+Luminex	None		LS1A04	500	14777	236										
210																
218 Luminex	Heat Inactivation		LSAI													
227 Luminex	Dilution		LS1A04	1000	15995	254										
232 Luminex	None		LS1A04	1000	10349	592										
235 Luminex	None		LS1PRA	1000	123.31	159										
238 CDC+Luminex	None		LM1	1000	21963	79	LSAI	5	15740	328						
243 Luminex	None	B*13:02, B*40:02	LS1A04	1000	10613	160										
245 Luminex	None		LS1A04	1000/500	15203	175										
262 Luminex	None		LSAI	>4	20869	214										
267 Luminex	None		LM1		21406	714-178-208	LSAI	BCM>500	16532	169-637-408	LSMUTR	1.5/1.2	10219	98		
268 CDC+Luminex	None		LM1	1000	21304	182/65/67	LSAI	1500	20147	197/108/134						
273 Luminex	None	A*34:01, B*13:02, B*40:02	LS1A04	1612	8844	502										
277 Luminex	None	A*34:01, B*13:02	LS1A04	500	12282	112										
284 CDC+Luminex	EDTA		LS1A04	1000	10855	99	LSM12	Ratio=3	11854	177						
292 Luminex	None	A*34:01	LS1A04	500	14270.56	125.09	LSM12	2.5	13262.26	452.56						
293 Luminex	None		LS1PRA	500	11250	18										
294 CDC+Luminex	None		LSAI	18831												
297 Luminex	None	B*27:05	LSAI	ABDCR-4	20000	317										
301 Luminex	None		LSAI	ABDCR-4												
303 Luminex	EDTA	B*13:02	LS1A04	1000	10405	139										
309 Luminex	None		LM1		20097	229	LSAI		20097	370						
311 Luminex	EDTA		LS1A04	1500	13397	226										
315 Luminex	None		LS1A04	2000	13412	229										

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

UK NEQAS FOR H&I SCHEME 3 - HLA SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 302/2015
DISPATCHED ON 10TH FEBRUARY 2015

Summary
Number of specificities present 33
Number of specificities absent 39
Number of specificities not assessed 17

HLA specificity for assessment			A2			A203			A210			A3			A23			A24			A2403			A25			A26			
Consens % report	Present 100.0%	tech	MFI	Absent 1.3%	tech	MFI	Absent 1.3%	tech	MFI	Absent 1.3%	tech	MFI	Present 100.0%	tech	MFI	Absent 89.7%	tech	MFI	Present 100.0%	tech	MFI	Not Assessed 65.4%	tech	MFI	Present 91.0%	tech	MFI	Not Assessed 73.1%		
9	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
11	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	< 2000
12	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
14	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
15	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
19	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
20	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
23	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
24	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
25	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	< 2000
26	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	< 2000
28	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
34	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	< 2000
35	A1	L	> 5000										A3	C+L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	< 2000
38	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	< 2000
39	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	> 5000
41	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	< 2000
42	A1	L	> 5000										A3	C+L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	< 2000
45	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
48	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
51	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	< 2000
54	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	< 2000
58	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
62	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
100	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
101	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	< 2000
112	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
114	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	< 2000
116	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
117	A1	E+L	> 5000										A3	E+L	> 5000	A23	L	> 5000	A24	E+L	> 5000	A2403	L	> 5000	A25	E+L	> 5000	A26	E+L	2000-5000
119	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
120	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	< 2000
136	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
139	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
142	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	< 2000
143	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	< 2000
145	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	< 2000
147	A1	L	> 5000										A3	C+L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	< 2000
148	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
157	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
159	A1	L	> 5000										A3	C+L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
162	A1	L	> 5000										A3	C+L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
163	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
164	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	< 2000
165	A1	F+E+L	> 5000										A3	F+E+L	> 5000	A23	F+L	> 5000	A24	F+E+L	> 5000	A2403	L	> 5000	A25	F+L	> 5000	A26	F	2000-5000
189	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
191	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
185	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	< 2000
186	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
190	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
193	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	2000-5000
194	A1	L	> 5000										A3	C+L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	< 2000
195	A1	L	> 5000										A3	L	> 5000	A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000	A26	L	< 2000
197	A1	L	> 5000																											

UK NEQAS FOR H&I SCHEME 3 - HLA SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 302/2015
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HLA specificity for assessment																																																	
B42																																																	
Consens Present 100.0%					B46 Absent 1.3%					B47 Present 97.4%					B48 Present 98.7%					B53 Absent 2.6%					B59 Not Assessed 7.7%					B67 Present 96.2%					B71 Absent 2.6%					B72 Absent 3.8%					B73 Present 98.7%				
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech																	
9	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000			B59	L	< 2000	B67	L	> 5000				B73	L	> 5000																							
11	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
12	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000			B59	L	< 2000	B67	L	> 5000				B73	L	> 5000																							
14	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
15	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
19	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
20	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
23	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
24	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
25	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
26	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
28	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000			B59	L	< 2000	B67	L	> 5000				B73	L	> 5000																							
34	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
35	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
38	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
39	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
41	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
42	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
45	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
48	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000			B59	L	> 5000	B67	L	> 5000				B73	L	> 5000																							
51	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
54	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
58	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
62	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
100	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
101	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
112	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
114	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
116	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
117	B42	E+L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
119	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
120	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
136	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
139	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
142	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
143	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
145	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
147	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
149	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
157	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
159	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
162	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
163	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
164	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000						B67	L	> 5000				B73	L	> 5000																							
165	B42	F+E+L	> 5000				B47	F+L	> 5000	B48	F+L	> 5000						B67	F+E+L	> 5000				B73	F+L	> 5000																							
169	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000							B67	L	> 5000				B73	L	> 5000																						
181	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000							B67	L	> 5000				B73	L	> 5000																						
185	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000							B67	L	> 5000				B73	L	> 5000																						
186	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000							B67	L	> 5000				B73	L	> 5000																						
190	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000							B67	L	> 5000				B73	L	> 5000																						
193	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000							B67	L	> 5000				B73	L	> 5000																						
194	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000			B53	C				B67	L	> 5000			B73	L	> 5000																						
195	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000								B67	L	> 5000			B73	L	> 5000																						
197	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000								B67	L	> 5000			B73	L	> 5000																						
204	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000								B67	L	> 5000			B73	L	> 5000																						
206	B42	L	> 5000				B47	L	> 5000	B48	L	> 5000																																					

UK NEQAS FOR H&I SCHEME 3 - HLA SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 302/2015
DISPATCHED ON 10TH FEBRUARY 2015

HLA specificity for assessment																						
Cw7		Cw8		Cw12		Cw14		Cw15		Cw16		Cw17		Cw18								
Consens % report		Absent 2.6%		Absent 1.3%		Not Assesed 42.3%		Absent 2.6%		Absent 1.3%		Absent 3.8%		Absent 1.3%								
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	
9							Cw14	L	< 2000													
11							Cw14	L	< 2000													
12																						
14																						
15																						
19																						
20							Cw14	L	< 2000													
23							Cw14	L	< 2000													
24																						
25																						
26																						
28							Cw14	L	2000-5000													
34							Cw14	L	< 2000													
35																						
38																						
39							Cw14	L	< 2000													
41																						
42							Cw14	L	< 2000													
45																						
48							Cw14	L	2000-5000													
51																						
54							Cw14	L	< 2000													
58							Cw14	L	< 2000													
62																						
100																						
101																						
112																						
114																						
116							Cw14	L	< 2000													
117							Cw14	E+L	< 2000													
119							Cw14	L	< 2000													
120							Cw14	L	< 2000													
136							Cw14	L	< 2000													
139							Cw14	L	< 2000													
142							Cw14	L	< 2000													
143																						
145																						
147																						
149							Cw14	L	< 2000													
157																						
159																						
162																						
163																						
164							Cw14	L	< 2000													
165							Cw14	F														
169							Cw14	L	2000-5000													
181							Cw14	L	< 2000													
185																						
186							Cw14	L	< 2000													
190							Cw14	L	< 2000													
193							Cw14	L	< 2000													
194	Cw7	L	< 2000				Cw14	L	< 2000													
195																						
197																						
204																						
206																						
209							Cw14	L	< 2000													
210																						
218																						
227							Cw14	L	< 2000													
232																						
235										Cw15	L			Cw17	L							
238																						
243																						
245							Cw14	L	< 2000													
262																						
267																						
268																						
273							Cw14	L	2000-5000													
277																						
284																						
292							Cw14	L	< 2000													
293														Cw17	L	> 5000						
294																						
297	Cw7	L		Cw8	L	Cw12	L	Cw14	L	Cw15	L	Cw16	L	Cw17	L		Cw18	L				
301																						
303																						
309																						
311																						
315																						

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

Number	2	< 2000	1	< 2000	1	< 2000	33	< 2000	2	< 2000	1	< 2000	3	< 2000	1	< 2000
Total	78	1	78	0	78	0	78	0	78	0	78	0	78	0	78	0
		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
		0		0		0		0		0		0		0		0
		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000
		0		0		0		0		0		1		0		0

UK NEQAS FOR H&I SCHEME 3 - HLA SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 302/2015

DISPATCHED ON 10TH FEBRUARY 2015

Techniques used IgG	Sample Treatment IgG	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
Lab no.														
9 Luminex	None	Not tested - A210, B5103, B703, B4005	LS1A04	500	15811	72								
11 Luminex	None		LS1A04	1000	10466	97	LSM12	2.5	11353	933				
12 Luminex	EDTA		LS1A04	500	15911	117								
14 Luminex	None	A*24:03, A*34:02, A*66:02	LS1A04	1500	11560	46	LSM12	3	13050	28				
15 Luminex	EDTA		LS1A04	1000	19426	27								
19 Luminex	EDTA		LS1A04	1000	19154	51								
20 CDC+Luminex	EDTA		LS1A04	500	17422	56								
23 Luminex	None		LS1A04	1000	18088	42								
24 Luminex	EDTA	A*34:02	LS1A04	1000	14051	45	LSA1	2000/5/5	17369	105	LS1PRA	1000	14256	71
25 Luminex	EDTA		LS1A04	1000	16810	249	LSA1	1500	18560	95				
26 Luminex	None		LS1A04	1200	16047	69	LSM12	4.4	13313	83				
28 Luminex	None		LS1A04	500	15969	163								
34 Luminex	None		LS1A04	551	11766	83								
35 CDC+Luminex	None		LS1A04	1000	11253	48	LSM12	2.1						
38 Luminex	EDTA		LS1A04	1000	12472	112	LSM12	500	12619	92				
39 Luminex	EDTA		LS1A04	1100	18623	67								
41 Luminex	None	A*66:02	LS1A04	2000	7258	50								
42 CDC+Luminex	EDTA		LS1A04	500	14490	65	LSM12	4.5	14456	48				
45 Luminex	EDTA		LS1A04	1500	15000	37								
48 Luminex	Heat Inactivation													
51 Luminex	EDTA		LS1A04	900	7622	67								
54 Luminex	None		LS1A04	750	14870	72	LSM12	350	14988	55				
58 Luminex	EDTA		LS1A04	1000	10993	100	LSM12	2.5-3.0	9959	34				
62 Luminex	None		LS1A04	1500	18637	37								
100 Luminex	None		LM1	692	21493	113	LSAI	1040	17981	299				
101 Luminex	None		LS1A04	1000	11080	47								
112 Luminex	None	B*13:09, B*27:03, B*27:05, B*43:02	LS1A04	>1500	3160	18,12	LSAI	>500	17299	261/2106/272				
114 CDC+Luminex	None	A*34:02	LS1A04	1000	9019	29								
116 CDC+Luminex	None		LS1A04	1000	14444	47	LSM12		14982	42				
117 ELISA+Luminex	None		LS1A04	500	16310	32								
119 Luminex	EDTA		LS1A04	BNV>1000	13457	81	LSM12	Ratio>1.5	11137	28				
120 Luminex	None	B*51:02	LS1A04	500	14460	35								
136 CDC+Luminex	None		LS1A04	1000	18839	49								
139 Luminex	None		LS1A04	1000	15910	55	LSM12	4	16696	64				
142 Luminex	EDTA		LS1A04	1000	14980	44								
143 Luminex	None	A*66:02, B*13:02	LS1A04	1000	9426	141								
145 Luminex	None	A*34:02, A*66:02	LS1A04	1000	13538	52	LSM12	1.5/1.2	14748	67				
147 CDC+Luminex	None	A*34:01, A*34:02, A*66:01, A*66:02	LS1A04	MFI>1500	14468	152	LSM12	Ratio>5	15967	80				
149 Luminex	None		LSAI		10000	127-1612								
157 Luminex	EDTA	A*29:01, A*29:02, A*30:01, A*30:02, A*33:01, A*33:03, A*34:01, A*34:02, A*57:01, A*57:03, A*66:01, A*66:02, B*13:01, B*13:02	LS1A04	1000	15200	26								
159 CDC+Luminex	None	A*34:02, A*66:02	LS1A04	1500	11098	56								
162 CDC+Luminex	EDTA		LS1A04	1000	1500	42	LSM12	3	15100	26				
163 Luminex	None	A*34:02, A*66:02	LS1A04	1500	12733	36								
164 CDC+Luminex	None		LS1A04	1000	8832	71								
165 Flow Cytometry+ELISA	None		LS1A04	126	13467	107								
169 Luminex	None	A*68:01	LS1A04	1000	15560	54								
181 Luminex	None	A*66:02	LS1A04	2000	15804	36								
185 Luminex	EDTA	A*66:01, A*66:02	LM1		22681	101	LSAI		19366	192				
186 Luminex	None		LS1A04	1500	11982	61								
190 Luminex	EDTA		LS1A04	1000	16159	57								
193 Luminex	None		LS1A04	1000	15841	27								
194 CDC+Luminex	DTT		LS1A04	1000	14075	156								
195 Luminex	None		LS1A04	1000	14000	50								
197														
204 Luminex	EDTA	A*34:02	LS1A04	1000	15813	66								
206 Luminex	EDTA		LS1A04	1000	14717	48	LM1	>3	20643	<230				
209 CDC+Luminex	None		LS1A04	500	15493	45								
210														
218 Luminex	Heat Inactivation		LSAI											
227 Luminex	None		LS1A04	500	16217	54								
232 Luminex	None		LS1A04		9552	38								
235 Luminex	None		LS1PRA	1000	1304.1	55								
238 CDC+Luminex	None	A*66:02	LM1	1000	22122	119	LSAI	5	16301	360				
243 Luminex	None	A*34:02	LS1A04	1000	8652	22								
245 Luminex	None	B*51:02	LS1A04	1000/500	16588	51								
262 Luminex	None		LSAI	>4	20722	262								
267 Luminex	None		LM1		22004	93-331-192	LSAI	BCM=500	15917	141-1352-471	LSMUTR	1.5/1.2	11530	20
268 CDC+Luminex	None		LM1	1000	19988	156/1665/139	LSAI	1500	21753	64/190/110				
273 Luminex	None		LS1A04	2024	14459	56								
277 Luminex	None		LS1A04	500	13047	37								
284 CDC+Luminex	EDTA	A*34:02, A*66:02	LS1A04	1000	12668	36	LSM12	Ratio=3	13312	48				
292 Luminex	None		LS1A04	500	13754.75	84.73	LSM12	2.5	13965.19	50.44				
293 Luminex	None		LS1PRA		10244	82								
294 CDC+Luminex	None		LSAI	ADBCR>4	19205									
297 Luminex	None		LSAI	ADBCR>4	20128	393								
301 Luminex	None													
303 Luminex	EDTA	A*34:02, A*66:02	LS1A04	1000	10711	55								
309 Luminex	None		LM1		21400	157	LSAI		19374	207				
311 Luminex	EDTA		LS1A04	1500	14967	90								
315 Luminex	None		LS1A04	2000	11436	30								

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

UK NEQAS FOR H&I SCHEME 3 - HLA SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 303/2015
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HLA specificity for assessment		A36 Present 98.7%		A43 Present 94.9%		A80 Present 97.4%		B52 Absent 1.3%		B7 Present 2.6%		B8 Present 92.3%		B44 Present 85.9%		B45 Present 85.9%		B13 Absent 1.3%	
Consens % report	A69	spec	tech	spec	tech	spec	tech	spec	tech	spec	tech	spec	tech	spec	tech	spec	tech	spec	tech
Lab no.		MFI		MFI		MFI		MFI		MFI		MFI		MFI		MFI		MFI	
9		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000	B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000
11		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000	B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000
12		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000	B8	L	2000-5000	B44	L	2000-5000	B45	L	2000-5000
14		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000	B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000
15		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000	B8	L	2000-5000	B44	L	< 2000	B45	L	2000-5000
19		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000	B8	L	2000-5000	B44	L	< 2000	B45	L	2000-5000
20		A36	L	2000-5000	A43	L	2000-5000	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	2000-5000	A43	L	> 5000	A80	L	> 5000	B8	L	> 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	A43	L	2000-5000	A80	L	2000-5000	B8	L	< 2000	B44	L	2000-5000	B45	L	2000-5000
28	A69	A36	L	> 5000	A43	L	> 5000	A80	L	> 5000	B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000
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	> 5000	A43	L	> 5000	A80	L	> 5000	B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000
38		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000	B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000
39		A36	L	< 2000	A43	L	2000-5000	A80	L	2000-5000	B8	L	< 2000	B44	L	< 2000	B45	L	< 2000
41		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000	B8	L	> 5000	B44	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	2000-5000
45		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000	B8	L	2000-5000	B44	L	2000-5000	B45	L	2000-5000
48		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000	B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000
51		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000	B8	L	> 5000	B44	L	> 5000	B45	L	> 5000
54		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000	B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000
58		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000	B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000
62		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000	B8	L	> 5000	B44	L	2000-5000	B45	L	> 5000
100		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000	B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000
101		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000	B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000
112		A36	L	< 2000	A43	L	2000-5000	A80	L	2000-5000	B8	L	2000-5000	B44	L	2000-5000	B45	L	2000-5000
114		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000	B8	L	2000-5000	B44	L	2000-5000	B45	L	2000-5000
116		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000	B8	L	2000-5000	B44	L	< 2000	B45	L	2000-5000
117		A36	E+L	2000-5000	A43	L	> 5000	A80	E+L	> 5000	B8	E+L	2000-5000	B44	L	< 2000	B45	E+L	2000-5000
119		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000	B8	L	2000-5000	B44	L	2000-5000	B45	L	2000-5000
120		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000	B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000
136		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000	B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000
139		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000	B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000
142		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000	B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000
143		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000	B8	L	2000-5000	B44	L	2000-5000	B45	L	2000-5000
145		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000	B8	L	2000-5000	B44	L	2000-5000	B45	L	2000-5000
147		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000	B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000
149		A36	L	2000-5000	A43	L	< 2000	A80	L	< 2000	B8	L	< 2000	B44	L	< 2000	B45	L	< 2000
157		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000	B8	L	2000-5000	B44	L	2000-5000	B45	L	2000-5000
159		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000	B8	L	2000-5000	B44	L	< 2000	B45	L	2000-5000
162		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000	B8	L	2000-5000	B44	L	< 2000	B45	L	2000-5000
163		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000	B8	L	2000-5000	B44	L	< 2000	B45	L	2000-5000
164		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000	B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000
165		A36	F+L	> 5000	A43	F+L	> 5000	A80	F+E+L	> 5000	B8	F+L	> 5000	B44	F+L	2000-5000	B45	F+E+L	2000-5000
189		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000	B7	L	> 5000	B8	L	2000-5000	B44	L	2000-5000
181		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000	B8	L	> 5000	B44	L	< 2000	B45	L	< 2000
185		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000	B8	L	< 2000	B44	L	< 2000	B45	L	< 2000
186		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000	B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000
190		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000	B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000
193		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000	B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000
194		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000	B8	L	> 5000	B44	L	< 2000	B45	L	2000-5000
195		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000	B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000
197		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000	B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000
204		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000	B8	L	2000-5000	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	2000-5000	A43	L	> 5000	A80	L	> 5000	B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000
210																			
218		A36	L	< 2000	A43	L	> 5000	A80	L	< 2000	B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000
227		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000	B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000
232		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000	B8	L	2000-5000	B44	L	2000-5000	B45	L	2000-5000
235		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000	B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000
238		A36	L	< 2000	A43	L	< 2000	A80	L	< 2000	B8	L	< 2000	B44	L	2000-5000	B45	L	2000-5000
243		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000	B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000
245		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000	B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000
262		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000	B8	L	< 2000	B44	L	< 2000	B45	L	< 2000
267		A36	L	< 2000	A43	L	< 2000	A80	L	< 2000	B7	L	< 2000	B8	L	< 2000	B44	L	< 2000
268		A36	L	< 2000	A43	L	2000-5000	A80	L	< 2000	B8	L	2000-5000	B44	L	2000-5000	B45	L	2000-5000
273		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000	B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000
277		A36	L	> 5000	A43	L	> 5000	A80	L	> 5000	B8	L	> 5000	B44	L	2000-5000	B45	L	2000-5000
284		A36	L	2000-5000	A43	L	> 5000	A80	L	> 5000	B8	L	2000-5000	B44	L	< 2000	B45	L	< 2000
292		A36	L	> 5000															

UK NEQAS FOR H&I SCHEME 3 - HLA SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 303/2015
DISPATCHED ON 10TH FEBRUARY 2015

HLA specificity for assessment			B47			B48			B59			B81			B82			Cw1			Cw2			Cw6			Cw7			Cw12					
			Absent			Absent			Absent			Not Assessed			Present			Absent			Absent			Absent			Absent			Absent					
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							B59	L	< 2000						B82	L	2000-5000																		
11															B82	L	< 2000																		
12												B81	L	< 2000	B82	L	2000-5000																		
14															B82	L	2000-5000																		
15															B82	L	2000-5000																		
19															B82	L	2000-5000																		
20															B82	L	< 2000																		
23															B82	L	2000-5000																		
24															B82	L	< 2000																		
25															B82	L	2000-5000																		
26																																			
28							B59	L	< 2000	B81	L	< 2000	B82	L	2000-5000																				
34															B82	L	< 2000																		
35															B82	L	2000-5000																		
38															B82	L	< 2000																		
39															B82	L	2000-5000																		
41															B82	L	2000-5000																		
42												B81	L	< 2000	B82	L	2000-5000																		
45															B82	L	2000-5000																		
48															B82	L	2000-5000																		
51															B82	L	2000-5000																		
54															B82	L	< 2000																		
58															B82	L	< 2000																		
62															B82	L	2000-5000																		
100															B82	L	< 2000																		
101															B82	L	< 2000																		
112																																			
114															B82	L	2000-5000																		
116															B82	L	2000-5000																		
117															B82	E+L	2000-5000																		
119															B82	L	2000-5000																		
120															B82	L	2000-5000																		
136															B82	L	2000-5000																		
139															B82	L	2000-5000																		
142															B82	L	2000-5000																		
143															B82	L	< 2000																		
145															B82	L	< 2000																		
147															B82	L	2000-5000																		
149															B82	L	< 2000																		
157															B82	L	2000-5000																		
159															B82	L	2000-5000																		
162															B82	L	< 2000, > 5000																		
163															B82	L	2000-5000																		
164															B82	L	2000-5000																		
165												B81	F		B82	F+L	2000-5000																		
169															B82	L	2000-5000																		
181															B82	L	2000-5000																		
185															B82	L	< 2000																		
186															B82	L	2000-5000																		
190															B82	L	2000-5000																		
193															B82	L	2000-5000																		
194															B82	L	2000-5000																		
195															B82	L	2000-5000																		
197																																			
204															B82	L	2000-5000																		
206															B82	L	< 2000																		
209															B82	L	< 2000																		
210																																			
218							B48	L	2000-5000						B82	L	< 2000	Cw1	L	2000-5000									Cw7	L	< 2000				
227															B82	L	2000-5000																		
232																																			
235																																			
238															B82	L	< 2000																		
243															B82	L	2000-5000																		
245															B82	L	2000-5000																		
262	B47	L	< 2000	B48	L	< 2000									B82	L	< 2000																		
267															B82	L	< 2000	Cw1	L	2000-5000	Cw2	L	< 2000	Cw6	L	< 2000					Cw12	L	< 2000		
268																																			
273															B82	L	2000-5000																		
277							B59	L	<																										

UK NEQAS FOR H&I SCHEME 3 - HLA SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 303/2015
DISPATCHED ON 10TH FEBRUARY 2015

HLA specificity for assessment			
Cw17			
Consens % report	Not Assessed 29.5%		
Lab no.	spec	tech	MFI
9	Cw17	L	< 2000
11			
12	Cw17	L	< 2000
14			
15	Cw17	L	< 2000
19	Cw17	L	< 2000
20	Cw17	L	< 2000
23			
24			
25	Cw17	L	< 2000
26			
28	Cw17	L	< 2000
34	Cw17	L	< 2000
35			
38	Cw17	L	< 2000
39	Cw17	L	< 2000
41			
42	Cw17	L	< 2000
45	Cw17	L	< 2000
48			
51			
54			
58	Cw17	L	< 2000
62	Cw17	L	< 2000
100			
101			
112			
114			
116			
117	Cw17	E+L	< 2000
119			
120			
136			
139			
142			
143			
145			
147			
149			
157			
159			
162			
163			
164			
165	Cw17	F	
169	Cw17	L	< 2000
181	Cw17	L	< 2000
185			
186	Cw17	L	< 2000
190			
193			
194			
195	Cw17	L	< 2000
197			
204			
206			
209	Cw17	L	< 2000
210			
218			
227			
232			
235			
238			
243			
245			
262			
267	Cw17	L	< 2000
268			
273	Cw17	L	< 2000
277			
284			
292			
293			
294			
297			
301			
303			
309			
311			
315			

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

Number	23	< 2000
Total	78	22
		2000-5000
		0
		> 5000
		0

UK NEQAS FOR H&I SCHEME 3 - HLA SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 303/2015

DISPATCHED ON 10TH FEBRUARY 2015

Techniques used IgG	Sample Treatment IgG	Allele Specific Antibodies		Luminex kit (lot)		Cut-off value		Control bead MFI		Luminex kit (lot)		Cut-off value		Control bead MFI	
		IgG		IgG		IgG		Positive	Negative	IgG		IgG		Positive	Negative
Lab no.															
9 Luminex	None	A*24:02	Not tested - A210, B5103, B703, B4005	LS1A04	500	15154	574								
11 Luminex	None	A*24:02		LS1A04	1000	12255	740	LSM12	2.5	11353	933				
12 Luminex	EDTA	A*24:02		LS1A04	500	18230	866								
14 Luminex	EDTA	A*24:02, B*44:03		LS1A04	1500	13720	681	LSM12	3	15324	50				
15 Luminex	EDTA	A*24:02		LS1A04	1000	19668	30								
19 Luminex	EDTA	A*24:02		LS1A04	1000	19230	145								
20 CDC+Luminex	EDTA	A*24:02		LS1A04	500	15973	306								
23 Luminex	None	A*24:02		LS1A04	1000	20201	769								
24 Luminex	EDTA	A*24:02		LS1A04	1000	16940	658	LSA1	2000/5/5	17244	94	LS1PRA	1000	15254	1018
25 Luminex	EDTA	A*24:02		LS1A04	1000	16813	577	LSA1	1500	18467	90				
26 Luminex	None			LS1A04	1200	13405	281								
28 Luminex	None			LS1A04	500	20073	694								
34 Luminex	None			LS1A04	882	12867	229								
35 CDC+Luminex	None			LS1A04	1000	12011	340	LSM12	2.1						
38 Luminex	EDTA			LS1A04	1000	13135	83	LSM12	500	12239	84				
39 Luminex	EDTA	A*24:02		LS1A04	600	6693	41								
41 Luminex	None	A*24:02		LS1A04	2500	9845	291								
42 CDC+Luminex	EDTA	A*24:02		LS1A04	500	14139	460								
45 Luminex	EDTA			LS1A04	1500	14000	600								
48 Luminex	Heat Inactivation	A*24:02													
51 Luminex	EDTA			LS1A04	1500	18703	44	LSM12	4.6	13988	130				
54 Luminex	None			LS1A04	750	15452	706	LSM12	350	16296	1615				
58 Luminex	EDTA			LS1A04	1000	15149	420	LSM12	2.5-3.0	11061	107				
62 Luminex	None	A*24:02		LS1A04	1500	20974	457								
100 Luminex	None			LM1	850	21495	251	LSAI	964	19517	260				
101 Luminex	None	A*24:02		LS1A04	1000	11500	175								
112 Luminex	None			LS1A04	>2000	4125	175	LSAI	>500	17075	242/539/375				
114 CDC+Luminex	None	A*24:02		LS1A04	1000	11743	545								
116 CDC+Luminex	Adsorb out			LS1A04	1000	15828	967	LSM12		16171	338				
117 ELISA+Luminex	None			LS1A04	500	16843	548								
119 Luminex	EDTA			LS1A04	BNV>1000	16993	874	LSM12	Ratio>1.5	12770	95				
120 Luminex	None	A*24:02		LS1A04	500	16791	760								
136 CDC+Luminex	None	A*24:02		LS1A04	1000	19286	215								
139 Luminex	None	A*24:02		LS1A04	1000	18476	769	LSM12	4	17180	334				
142 Luminex	EDTA			LS1A04	1000	15967	170								
143 Luminex	None	A*24:02		LS1A04	1000	10637	120								
145 Luminex	None			LS1A04	1000	14857	719	LSM12	1.5/1.2	15667	494				
147 CDC+Luminex	None	A*24:02		LS1A04	MFI>1500	15168	440	LSM12	Ratio>5	17122	464				
149 Luminex	None	A*11:01		LSAI	10000	12741612									
157 Luminex	EDTA	A*11:01, A*11:02 A*24:02, B*44:02 B*44:03		LS1A04	1000	17200	61								
159 CDC+Luminex	None	A*24:02		LS1A04	1500	13484	224								
162 CDC+Luminex	EDTA			LS1A04	1000	18500	830	LSM12	3	17000	500				
163 Luminex	None			LS1A04	1500	13520	167								
164 CDC+Luminex	None	A*24:02		LS1A04	1000	10125	220								
165 Flow Cytometry+E	None			LS1A04	35	13541	387								
169 Luminex	None	A*24:02, B*13:02		LS1A04	1000	17491	704								
181 Luminex	None			LS1A04	2000	15440	200								
185 Luminex	EDTA			LM1	1000	22179	157	LSAI		19286	204				
186 Luminex	None			LS1A04	1500	13180	166								
190 Luminex	EDTA			LS1A04	1000	17250	342	LSAI		17250	342				
193 Luminex	None			LS1A04	1000	17810	722								
194 CDC+Luminex	None			LS1A04	1000	16000	220								
195 Luminex	None			LS1A04	1000	16000	220								
197															
204 Luminex	EDTA	A*24:02		LS1A04	1000	16286	650								
206 Luminex	EDTA	A*24:02		LS1A04	1000	15539	289	LM1	3	21620	<313				
209 CDC+Luminex				LS1A04	500	16492	269								
210															
218 Luminex	Heat Inactivation			LSAI											
227 Luminex				LS1A04	1000	17635	509								
232 Luminex	None			LS1A04	1000	10367	452								
235 Luminex	None			LS1PRA	1000	15811	224								
238 CDC+Luminex	None			LM1	1000	22458	133	LSAI	5	15658	324				
243 Luminex	None	A*24:02		LS1A04	1000	14647	367								
245 Luminex	Adsorb out	A*24:02		LS1A04	1000/500	18636	790								
262 Luminex	None			LSAI	>4	20808	274								
267 Luminex	None			LM1	1000	22516	239-349-409	LSAI	BCM>500	15872	255-564-378	LSMUTR	1.5/1.2	13784	382
268 CDC+Luminex	None			LM1	1000	21555	102/160/80	LSAI	1500	19929	182/406/194				
273 Luminex	None	A*24:02		LS1A04	1636	16547	476								
277 Luminex	None	A*24:02		LS1A04	500	14866	245								
284 CDC+Luminex	EDTA	A*11:02, A*24:02, B*44:03		LS1A04	1000	12784	172	LSM12	Ratio=3	15106	307				
292 Luminex	Adsorb out	A*24:02		LS1A04	500	15574.9	269.12	LSM12	2.5	14553.5	1059.29				
293 Luminex	None			LS1PRA	500	11642	89								
294 CDC+Luminex	None			LSAI	ADBCR>4	17146									
297 Luminex	None			LSAI	ADBCR>5	19264	292								
301 Luminex	None														
303 Luminex	EDTA	A*24:02		LS1A04	1000	11863	103								
309 Luminex	None			LM1	1000	21232	311	LSAI		18621	241				
311 Luminex	EDTA			LS1A04	1500	15140	586								
315 Luminex	None			LS1A04	2000	13020	142								

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

UK NEQAS FOR H&I SCHEME 3 - HLA SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 304/2015
DISPATCHED ON 10TH FEBRUARY 2015

Summary
Number of specificities present: 3
Number of specificities absent: 26
Number of specificities not assessed: 29

HLA specificity for assessment																															
A1				A2				A23				A24				A2403				A11				A29				A32			
Consens % report		Absent 2.6%		Not Assessed 6.4%		Absent 1.3%		Present 96.2%		Not Assessed 20.5%		Not Assessed 10.3%		Absent 2.6%		Not Assessed 14.1%		Absent 2.6%		Not Assessed 1.3%		Absent 1.3%									
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI				
9							A3	L	> 5000																						
11							A3	L	2000-5000																						
12							A3	L	> 5000									A11	L	2000-5000											
14							A3	L	> 5000																						
15							A3	L	> 5000																						
19							A3	L	2000-5000																						
20							A3	L	> 5000																						
23							A3	L	> 5000																						
24							A3	L	> 5000																						
25							A3	L	> 5000																						
26							A3	L	> 5000											A11	L	< 2000									
28							A3	L	> 5000	A23	L	< 2000								A11	L	< 2000									
34							A3	L	2000-5000											A11	L	< 2000									
35							A3	L	> 5000																						
38							A3	L	2000-5000																						
39							A3	L	> 5000																						
41							A3	L	2000-5000																						
42				A2	L	< 2000	A203	L	< 2000	A3	L	> 5000	A23	L	< 2000	A24	L	< 2000				A29	L	< 2000	A32	L	< 2000				
45							A3	L	> 5000											A11	L	< 2000									
48							A3	L	> 5000																						
51							A3	L	> 5000																						
54							A3	L	> 5000																						
58							A3	L	> 5000																						
62							A3	L	> 5000																						
100							A3	L	2000-5000																						
101							A3	L	2000-5000																						
112				A2	L	2000-5000																									
114							A3	L	< 2000																						
116							A3	L	2000-5000																						
117							A3	L	> 5000																						
119							A3	L	> 5000	A23	L	< 2000								A11	L	< 2000									
120							A3	L	> 5000	A23	L	< 2000								A11	L	< 2000									
136							A3	L	> 5000																						
139							A3	L	> 5000																						
142							A3	L	> 5000																						
143							A3	L	< 2000																						
145							A3	L	> 5000																						
147							A3	L	> 5000																						
148				A2	L	2000-5000																									
157							A3	L	> 5000	A23	L	< 2000																			
159							A3	L	> 5000																						
162							A3	L	2000-5000																						
163							A3	L	> 5000																						
164							A3	L	> 5000																						
165							A3	L	> 5000																						
169							A3	L	> 5000	A23	L	< 2000																			
181							A3	L	> 5000	A23	L	< 2000																			
185							A3	L	> 5000																						
186							A3	L	> 5000																						
190							A3	L	> 5000																						
193							A3	L	> 5000																						
194							A3	L	> 5000																						
195							A3	L	> 5000																						
197							A3	L	> 5000																						
204							A3	L	> 5000																						
206							A3	L	> 5000																						
209							A3	L	> 5000	A23	L	< 2000																			
210							A3	L	> 5000																						
218	A1	L	< 2000	A2	L	2000-5000	A3	L	2000-5000	A23	L	< 2000	A24	L	< 2000																
227							A3	L	> 5000																						
232							A3	L	> 5000																						
235							A3	L	> 5000																						
238							A3	L	2000-5000																						
243							A3	L	> 5000																						
245							A3	L	> 5000	A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000													
262							A3	L	> 5000																						
267	A1	L	< 2000	A2	L	< 2000	A3	L	2000-5000	A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000													
268							A3	L	> 5000	A23	L	> 5000	A24	L	> 5000																
273							A3	L	> 5000																						
277							A3	L	2000-5000																						
284							A3	L	2000-5000																						
292							A3	L	2000-5000																						
293							A3	L	< 2000	A23	L	< 2000	A24	L	< 2000																
294							A3	L	2000-5000																						
297							A3	L	> 5000	A23	L	< 2000	A24	L	< 2000																
301							A3	L	> 5000																						
303							A3	L	> 5000																						
309							A3	L	2000-5000																						
311							A3	L	> 5000																						
315							A3	L	> 5000																						

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

Number	2	< 2000	5	< 2000	1	< 2000	75	< 2000	16	< 2000	8	< 2000	2	< 2000	11	< 2000	2	< 2000	1	< 2000	
Total	78	2	78	2	78	1	78	3	78	15	78	6	78	2	78	9	78	2	78	1	78
	0	2000-5000	0	2000-5000	0	2000-5000	0														

UK NEQAS FOR H&I SCHEME 3 - HLA SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 304/2015
DISPATCHED ON 10TH FEBRUARY 2015

HLA specificity for assessment																							
A68 Consens 2.6%		A36 Absent 3.8%		B52 Not Assessed 9.0%		B7 Absent 1.3%		B703 Absent 3.8%		B8 Not Assessed 16.7%		B44 Not Assessed 24.4%		B45 Not Assessed 24.4%		B13 Not Assessed 32.1%		B64 Absent 3.8%					
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	
9																							
11																							
12																							
14																							
15																							
19																							
20																							
23																							
24												B44	L	< 2000			B13	L	< 2000				
25																							
26																							
28																							
34										B8	L	< 2000	B44	L	< 2000	B45	L	< 2000	B13	L	< 2000		
35																							
38																							
39																							
41																							
42	A68	L	< 2000			B52	L	< 2000															
45																							
48																							
51																							
54																							
58																							
62																							
100																							
101																							
112																							
114									B703	L	2000-5000												
116																							
117																							
119										B8	L	< 2000	B44	L	< 2000	B45	L	< 2000	B13	L	< 2000		
120										B8	L	< 2000	B44	L	< 2000	B45	L	< 2000	B13	L	< 2000		
136																							
139																							
142																							
143										B8	L	< 2000				B45	L	< 2000	B13	L	< 2000		
145																							
147										B8	L	< 2000	B44	L	< 2000	B45	L	< 2000	B13	L	< 2000		
149				A36	L	< 2000				B8	L	> 5000											
157										B8	L	< 2000	B44	L	< 2000				B13	L	< 2000		
159																							
162																							
163																							
164																							
165																							
169							B52	L	2000-5000														
181							B52	L	< 2000														
185										B8	L	< 2000	B44	L	< 2000	B45	L	< 2000	B13	L	< 2000		
186																							
190																							
193																							
194																							
195																							
197																							
204																							
206																							
209							B52	L	< 2000														
210																							
218				A36	L	< 2000	B52	L	< 2000	B7	L	< 2000	B703	L	< 2000	B8	L	> 5000					
227																							
232																							
235																							
238																							
243																							
245																							
262																							
267				A36	L	< 2000	B52	L	< 2000														
268	A68	L	> 5000							B703	L	< 2000	B8	L	> 5000								
273																							
277																							
284																							
292							B52	L	< 2000														
293																							
294																							
297																							
301																							
303																							
309																							
311																							
315																							

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

Number	2	< 2000	3	< 2000	7	< 2000	1	< 2000	3	< 2000	13	< 2000	19	< 2000	19	< 2000	19	< 2000	25	< 2000	3	< 2000	
Total	78	1	78	3	78	6	78	1	78	2	78	10	78	19	78	18	78	24	78	24	78	3	78
		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000	
		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000	
		0		0		0		0		0		0		0		0		0		0		0	
		1		0		0		0		0		3		0		0		0		0		0	

UK NEQAS FOR H&I SCHEME 3 - HLA SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 304/2015
DISPATCHED ON 10TH FEBRUARY 2015

HLA specificity for assessment			B50 Consens 24.4%			B54 Not Assessed 9.0%			B56 Absent 3.8%			B35 Absent 1.3%			B37 Not Assessed 24.4%			B60 Not Assessed 46.2%			B61 Not Assessed 12.8%			B41 Not Assessed 21.8%			B42 Absent 3.8%			B46 Absent 2.6%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI		
9																																
11																																
12																																
14																																
15												B37	L	< 2000	B60	L																
19												B37	L	2000-5000																		
20																																
23																																
24															B60	L	< 2000															
25																																
26																																
28															B60	L	< 2000							B41	L	< 2000						
34															B60	L	< 2000															
35	B50	L																														
38																																
39	B50	L	< 2000												B60	L	2000-5000							B41	L	< 2000						
41																																
42	B50	L	< 2000	B54	L	< 2000	B56	L	< 2000			B37	L	< 2000	B60	L	< 2000	B61	L	< 2000	B41	L	< 2000	B42	L	< 2000	B46	L	< 2000			
45																																
48																																
51																																
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58																																
62																																
100																																
101																																
112	B50	L	2000-5000																													
114															B60	L	< 2000															
116																																
117	B50	E+L	< 2000	B54	L	< 2000						B37	E+L	< 2000	B60	E+L	< 2000	B61	E+L	< 2000	B41	E+L	< 2000									
119	B50	L	< 2000	B54	L	< 2000						B37	L	< 2000	B60	L	< 2000	B61	L	< 2000	B41	L	< 2000									
120	B50	L	< 2000	B54	L	< 2000						B37	L	< 2000	B60	L	< 2000	B61	L	< 2000	B41	L	< 2000									
136																																
139																																
142	B50	L	< 2000												B60	L	< 2000															
143	B50	L	< 2000												B60	L	2000-5000							B41	L	< 2000						
145																																
147															B37	L	< 2000	B60	L	2000-5000												
149															B37	L	> 5000	B60	L	> 5000				B41	L	< 2000	B42	L	2000-5000			
157	B50	L	< 2000												B60	L	< 2000															
159																																
162	B50	L	< 2000																													
163																																
164																																
165																																
169	B50	L	< 2000												B60	F+L	2000-5000															
181	B50	L	< 2000	B54	L	< 2000	B56	L	< 2000	B35	L	< 2000	B37	L	< 2000	B60	L	< 2000	B61	L	< 2000	B41	L	< 2000								
185																																
186																																
190																																
193															B60	L	< 2000															
194																																
195															B60	L	< 2000															
197																																
204																																
206																																
209	B50	L	< 2000	B54	L	< 2000																										
210																																
218	B50	L	2000-5000																													
227																																
232																																
235																																
238																																
243	B50	L	< 2000	B54	L	< 2000																										
245	B50	L	< 2000												B37	L	< 2000	B60	L	< 2000	B61	L	< 2000	B41	L	< 2000						
262																																
267	B50	L	2000-5000																													
268																																
273															B60	L	> 5000															
277	B50	L	< 2000																													
284																																
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Technique : C = CDC; E = ELISA; F = Flow cytometry; L = Luminex; O = Other

UK NEQAS FOR H&I SCHEME 3 - HLA SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 304/2015
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HLA specificity for assessment																											
Lab no.	Cw9			Cw10			Cw4			Cw6			Cw8			Cw12			Cw16			Cw17					
	Consens % report	Absent 1.3%	tech	Consens % report	Absent 2.6%	tech	Consens % report	Absent 1.3%	tech	Consens % report	Absent 1.3%	tech	Consens % report	Absent 2.6%	tech	Consens % report	Absent 1.3%	tech	Consens % report	Absent 3.8%	tech	Consens % report	Not Assessed 5.1%	tech	MFI		
9																											
11																											
12																											
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194																											
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210																											
218																											
227																											
232																											
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294																											
297																											
301																											
303																											
309																											
311																											
315																											

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

Number	1	< 2000	2	< 2000	1	< 2000	1	< 2000	2	< 2000	1	< 2000	3	< 2000	4	< 2000
Total	78	1	78	1	78	1	78	1	78	0	78	0	78	3	78	3
		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
	0	> 5000	1	> 5000	0	> 5000	0	> 5000	1	> 5000	1	> 5000	0	> 5000	1	> 5000
	> 5000	0	> 5000	0	> 5000	0	> 5000	0	> 5000	0	> 5000	0	> 5000	0	> 5000	0

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CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 304/2015

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Techniques used IgG	Sample Treatment IgG	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
Lab no.														
9 Luminex	None	Not tested - A210, B5103, B703, B4005	LS1A04	1000	13443	71								
11 Luminex	None		LS1A04	1000	11668	57	LSM12	2.5	11573	561				
12 Luminex	EDTA	A*11:02	LS1A04	500	17568	184								
14 Luminex	None		LS1A04	1500	13600	97	LSM12	3	1490	52				
15 Luminex	EDTA	B*15:02	LS1A04	1000	20301	40								
19 Luminex	EDTA		LS1A04	1000	20682	47								
20 CDC+Luminex	EDTA		LS1A04	500	12959	74								
23 Luminex	None	B*44:02	LS1A04	1000	19079	40								
24 Luminex	EDTA		LS1A04	1000	17832	73	LSA1	2000/5/5	17819	142	LS1PRA	1000	14145	113
25 Luminex	EDTA		LS1A04	1000	17755	250	LSA1	1500	19325	190				
26 Luminex	None		LS1A04	1200	14520	140	LMX		18519					
28 Luminex	None		LS1A04	1213	16097	145								
34 Luminex	None	A*11:02	LS1A04	513	10510	59								
35 CDC+Luminex	None		LS1A04	1000	11524	49	LSM12	2.1	25830	141				
38 Luminex	EDTA		LS1A04	2500	13619	80	LSM12	500	13573	188				
39 Luminex	EDTA	B*15:02	LS1A04	1200	15036	61								
41 Luminex	None		LS1A04	2000	8446	64								
42 CDC+Luminex	EDTA	A*02:03, B*15:02	LS1A04	500	13958	105	LSM12	4.5	12783	94				
45 Luminex	EDTA	Self Allelic: A*11:02, B*08:01, B*35:01	LS1A04	1500	14000	160								
48 Luminex	Heat Inactivation													
51 Luminex	EDTA		LS1A04	15322	118	LSM12	4.6	15264	135					
54 Luminex	None		LS1A04	750	16508	860	LSM12	350	16176	674				
58 Luminex	EDTA	A*11:02	LS1A04	1000	13617	186	LSM12	2.5-3.0	9644	21				
62 Luminex	None		LS1A04	1500	20696	81								
100 Luminex	None		LM1	1756	21080	362	LSA1							
101 Luminex	None		LS1A04	1000	10373	418								
112 Luminex	None	A*02:02	LS1A04	>1500	6621	29.57	LSA1	>500	16889	262/465/358				
114 CDC+Luminex	None	B*40:01	LS1A04	1000	11854	36								
116 CDC+Luminex	None		LS1A04	1000	12459	49	LSM12		15504	97				
117 ELISA+Luminex	None	A*11:02, B*15:02, B*40:02, C*03:02	LS1A04	500	17628	42								
119 Luminex	EDTA	A*11:02, B*15:02, B*40:02	LS1A04	BNV<1000	16709	93	LSM12	Ratio=1.5	12684	27				
120 Luminex	None	A*11:02, B*15:02, B*40:02	LS1A04	500	15474	62								
136 CDC+Luminex	None	B*13:2, B*15:02, B*44:02	LS1A04	1000	19811	58								
139 Luminex	None		LS1A04	1000	18398	45	LSM12	4	16835	57				
142 Luminex	EDTA		LS1A04	1000	16445	56								
143 Luminex	None	B*13:02, B*57:01	LS1A04	1000	10392	67								
145 Luminex	Adsorption	B*13:02, B*57:01	LS1A04	1000	14065	69	LSM12	1.5/1.2	15146	94				
147 CDC+Luminex	None	B*15:02 pos, B*15:11 neg, B*44:02, B*44:03	LS1A04	MFI=1500	16545	75	LSM12	Ratio>5	17640	196				
149 Luminex	None		LSA1	1000	127-1612									
157 Luminex	EDTA	B*13:01, B*13:02, B*15:02, B*44:02, B*44:03, B*57:01, B*57:03	LS1A04	1000	18500	36								
159 CDC+Luminex	None		LS1A04	1500	13276	60								
162 CDC+Luminex	EDTA		LS1A04	1000	17700	58	LSM12	3	18500	71				
163 Luminex	None		LS1A04	1500	12821	44								
164 CDC+Luminex	None		LS1A04	1000	11384	77								
165 Flow Cytometry+E	None		LS1A04	180	14062	78								
169 Luminex	None		LS1A04	1000	18442	85								
181 Luminex	None	B*08:01, B*35:01	LS1A04	2000	16064	71								
185 Luminex	None	Specificities could not be determined due to excess of background	LM1	1	21992	92	LSA1		19065	264				
186 Luminex	None		LS1A04	1500	12435	47								
190 Luminex	EDTA		LS1A04	1000	18578	50								
193 Luminex	None		LS1A04	1000	17570	40								
194 Luminex	DTT		LS1A04	1000	14800	50								
195 Luminex	None		LS1A04	1000	14800	50								
197														
204 Luminex	EDTA	B*15:02	LS1A04	1000	15964	75								
206 Luminex	EDTA	A*11:02	LS1A04	1000	15037	83	LM1	3	21762	<1400				
209 CDC+Luminex			LS1A04	500	14936	59								
210														
218 Luminex	Heat Inactivation		LSA1											
227 Luminex			LS1A04	1500	10778	69								
232 Luminex	None		LS1A04	1000	10700	68								
235 Luminex	None		LS1PRA	1000	15301	48								
238 CDC+Luminex	None		LM1	1000	22195	379	LSA1	5	16548	205				
243 Luminex	None	B*13:02	LS1A04	1000	13437	41								
245 Luminex	None	B*15:02	LS1A04	1000/500	18829	85								
262 Luminex	None	Non-interpretable - conraol beads out of range												
267 Luminex	None		LM1		25558	1756-649-1631	LSA1	BCM=500	16071	249-540-296	LSMUTR	1.5/1.2	13710	32
268 CDC+Luminex	None	A*68:02	LM1	1000	21567	769/289/401	LSA1	1500	21121	246/268/169				
273 Luminex	None	A*11:02	LS1A04	2516	16590	93								
277 Luminex	None	B*15:02, B*40:02	LS1A04	500	13958	29								
284 CDC+Luminex	EDTA		LS1A04	1000	13179	49	LSM12	Ratio=3	14365	101				
292 Luminex	None	B*15:02, B*40:02, B*44:02	LS1A04	500	14205.94	176.19	LSM12	2.5	15215.43	64.07				
293 Luminex	None		LS1PRA	500	10571	51								
294 CDC+Luminex	None		LM1	>1000	21049		LSA1	ADBCR>4	20531					
297 Luminex	LSA Abs Bead		LSA1		19612	243								
301 Luminex	None													
303 Luminex	EDTA	B*13:02	LS1A04	1000	13942	31								
309 Luminex	None	LSA high MFI on all beads. No interpretation												
311 Luminex	EDTA		LS1A04	1500	16208	133								
315 Luminex	None		LS1A04	2000	12776	37								

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

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DISPATCHED ON 10TH FEBRUARY 2015

Summary
Number of specificities present 26
Number of specificities absent 12
Number of specificities not assessed 9

HLA specificity for assessment			A3 Present 97.4%			A24 Present 97.4%			A2403 Not Assessed 57.7%			A25 Present 92.3%			A34 Absent 1.3%			A32 Present 94.9%			A33 Absent 2.6%			A68 Absent 1.3%					
Lab no.	Consens % report	A1 Absent 1.3%	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	
9																													
11						A23	L	> 5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	2000-5000			A32	L	> 5000							
12						A23	L	> 5000	A24	L	2000-5000				A25	L	> 5000			A32	L	> 5000							
14						A23	L	> 5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	> 5000			A32	L	> 5000							
15						A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	2000-5000			A32	L	2000-5000							
19						A23	L	> 5000	A24	L	2000-5000				A25	L	2000-5000			A32	L	2000-5000							
20																													
23						A23	L	> 5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	> 5000			A32	L	> 5000							
24						A23	L	> 5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	> 5000			A32	L	> 5000							
25						A23	L	> 5000	A24	L	2000-5000				A25	L	2000-5000			A32	L	2000-5000							
26						A23	L	2000-5000	A24	L	< 2000	A2403	L	< 2000	A25	L	2000-5000			A32	L	2000-5000							
28						A23	L	> 5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	2000-5000			A32	L	> 5000							
34						A23	L	2000-5000	A24	L	2000-5000				A25	L	2000-5000			A32	L	2000-5000							
35						A23	L	> 5000	A24	L		A2403	L	< 2000	A25	L				A32	L								
38						A23	L	> 5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	2000-5000			A32	L	> 5000							
39						A23	L	> 5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	2000-5000			A32	L	2000-5000							
41						A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000			A32	L	> 5000							
42						A23	L	> 5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L				A32	L	> 5000							
45						A23	L	> 5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	2000-5000			A32	L	2000-5000							
48						A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000			A32	L	> 5000							
51						A23	L	> 5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	2000-5000			A32	L	2000-5000							
54						A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000			A32	L	> 5000							
58						A23	L	> 5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	2000-5000			A32	L	> 5000							
62						A23	L	> 5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	> 5000			A32	L	> 5000							
100						A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	2000-5000			A32	L	2000-5000							
101						A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	2000-5000			A32	L	2000-5000							
112						A23	L	2000-5000	A24	L	< 2000	A2403	L	< 2000	A25	L	2000-5000			A32	L	> 5000							
114						A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	2000-5000			A32	L	2000-5000							
116						A23	L	> 5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L				A32	L	> 5000							
117						A23	L	> 5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	2000-5000			A32	L	> 5000							
119						A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	2000-5000			A32	L	> 5000							
120						A23	L	2000-5000	A24	L	2000-5000				A25	L	2000-5000			A32	L	2000-5000							
136						A23	L	> 5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	> 5000			A32	L	> 5000							
139						A23	L	> 5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	2000-5000			A32	L	> 5000							
142						A23	L	> 5000	A24	L	2000-5000				A25	L	> 5000			A32	L	> 5000							
143						A23	L	> 5000	A24	L	2000-5000				A25	L	2000-5000			A32	L	> 5000							
145						A23	L	> 5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	> 5000			A32	L	> 5000							
147						A23	L	> 5000	A24	L	> 5000	A2403	L	> 5000	A25	L	> 5000			A32	L	> 5000							
148						A23	L	2000-5000	A24	L	> 5000	A2403	L	> 5000	A25	L	< 2000			A32	L	2000-5000							
157						A23	L	> 5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	2000-5000			A32	L	> 5000							
159						A23	L	> 5000	A24	L	2000-5000				A25	L	> 5000			A32	L	> 5000							
162						A23	L	> 5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	> 5000			A32	L	> 5000							
163						A23	L	2000-5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	2000-5000			A32	L	2000-5000							
164						A23	L	> 5000	A24	L	2000-5000				A25	L	> 5000			A32	L	> 5000							
165						A23	F+L	> 5000	A24	F+L	2000-5000				A25	F+L	> 5000			A32	F+L	> 5000							
169						A23	L	> 5000	A24	L	2000-5000				A25	L	> 5000			A32	L	> 5000	A33	L	2000-5000				
181						A23	L	> 5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	2000-5000			A32	L	2000-5000							
185						A23	L	2000-5000	A24	L	< 2000	A2403	L	< 2000	A25	L	2000-5000			A32	L	2000-5000							
186						A23	L	> 5000	A24	L	2000-5000				A25	L	2000-5000			A32	L	> 5000							
190						A23	L	> 5000	A24	L	> 5000				A25	L	> 5000			A32	L	> 5000							
193						A23	L	> 5000	A24	L	2000-5000				A25	L	2000-5000			A32	L	> 5000							
194						A23	L	> 5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	> 5000			A32	L	> 5000							
195						A23	L	> 5000	A24	L	2000-5000				A25	L	2000-5000			A32	L	> 5000							
197																													
204						A23	L	> 5000	A24	L	2000-5000	A2403	L	2000-5000	A25	L	2000-5000			A32	L	> 5000							
206						A23	L	2000-5000	A24	L	2000-5000				A25	L	2000-5000			A32	L	2000-5000							
209						A23	L	2000-5000	A24	L	2000-5000				A25	L	2000-5000			A32	L	2000-5000							
210																													
218						A23	L	2000-5000	A24	L	2000-5000	A2403	L	< 2000						A32	L	< 2000							
227						A23	L	> 5000	A24	L	2000-5000				A25	L	> 5000			A32	L	> 5000							
232						A23	L	2000-5000	A24	L	2000-5000				A25	L	2000-5000			A32	L	2000-5000							
235						A23	L		A24	L					A25	L				A32	L								
238						A23	L	2000-5000	A24	L	< 2000	A2403	L	< 2000	A25	L	< 2000												

UK NEQAS FOR H&I SCHEME 3 - HLA SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 305/2015

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HLA specificity for assessment																																																				
B49				B50				B54				B55				B56				B37				B61				B41				B42				B46																
Consens Present 97.4%				Present 85.9%				Absent 3.8%				Present 89.7%				Not Assessed 28.2%				Present 79.5%				Not Assessed 15.4%				Not Assessed 6.4%				Not Assessed 9.0%				Not Assessed 51.3%																
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI																						
9																																																				
11	B49	L	> 5000	B50	L	< 2000				B55	L	2000-5000									B37	L	2000-5000																													
12	B49	L	> 5000	B50	L	2000-5000				B55	L	2000-5000	B56	L	< 2000						B37	L	2000-5000	B61	L	< 2000	B41	L	< 2000	B42	L	< 2000	B46	L	< 2000																	
14	B49	L	> 5000	B50	L	< 2000				B55	L	2000-5000									B37	L	< 2000																													
15	B49	L	> 5000	B50	L	< 2000				B55	L	< 2000									B37	L	> 5000																													
19	B49	L	> 5000	B50	L	< 2000				B55	L	2000-5000									B37	L	> 5000																													
20	B49	L	> 5000	B50	L	< 2000				B55	L	< 2000	B56	L	< 2000						B37	L	> 5000																													
23	B49	L	> 5000	B50	L	2000-5000				B55	L	2000-5000									B37	L	2000-5000	B61	L	< 2000							B46	L	< 2000																	
24	B49	L	> 5000	B50	L	2000-5000				B55	L	2000-5000	B56	L	< 2000						B37	L	2000-5000											B46	L	< 2000																
25	B49	L	> 5000	B50	L	< 2000				B55	L	2000-5000									B37	L	2000-5000												B46	L	< 2000															
26	B49	L	> 5000							B55	L	< 2000									B37	L	2000-5000													B46	L	< 2000														
28	B49	L	> 5000	B50	L	< 2000				B55	L	2000-5000	B56	L	< 2000						B37	L	2000-5000	B61	L	< 2000	B41	L	< 2000	B42	L	< 2000				B46	L	< 2000														
34	B49	L	> 5000	B50	L	< 2000				B55	L	< 2000									B37	L	2000-5000														B46	L	< 2000													
35	B49	L		B50	L					B55	L										B37	L																B46	L	< 2000												
38	B49	L	> 5000	B50	L	2000-5000				B55	L	< 2000									B37	L	> 5000															B46	L	< 2000												
39	B49	L	> 5000	B50	L	< 2000				B55	L	2000-5000	B56	L	< 2000						B37	L	2000-5000	B61	L	< 2000				B42	L	< 2000						B46	L	< 2000												
41	B49	L	> 5000	B50	L	2000-5000				B55	L	2000-5000									B37	L	2000-5000																B46	L	< 2000											
42	B49	L	> 5000	B50	L	< 2000				B55	L	2000-5000	B56	L	< 2000						B37	L	2000-5000	B61	L	< 2000	B41	L	< 2000	B42	L	< 2000							B46	L	2000-5000											
45	B49	L	> 5000	B50	L	< 2000				B55	L	2000-5000									B37	L	2000-5000																B46	L	2000-5000											
48	B49	L	> 5000	B50	L	> 5000				B55	L	2000-5000	B56	L	< 2000						B37	L	2000-5000																	B46	L	2000-5000										
51	B49	L	> 5000	B50	L	< 2000				B55	L	2000-5000	B56	L	< 2000						B37	L	< 2000																	B46	L	< 2000										
54	B49	L	> 5000	B50	L	> 5000				B55	L	> 5000	B56	L	2000-5000						B37	L	2000-5000	B61	L	2000-5000	B41	L	< 2000	B42	L	< 2000								B46	L	2000-5000										
58	B49	L	> 5000	B50	L	< 2000				B55	L	2000-5000									B37	L	2000-5000																	B46	L	< 2000										
62	B49	L	> 5000	B50	L	2000-5000				B55	L	2000-5000									B37	L	2000-5000																		B46	L	< 2000									
100	B49	L	> 5000	B50	L	< 2000				B55	L	< 2000									B37	L	< 2000																		B46	L	< 2000									
101	B49	L	> 5000	B50	L	< 2000				B55	L	< 2000									B37	L	< 2000																		B46	L	< 2000									
112	B49	L	2000-5000	B50	L	< 2000				B55	L	< 2000									B37	L	< 2000																		B46	L	< 2000									
114	B49	L	> 5000	B50	L	< 2000				B55	L	< 2000									B37	L	< 2000																			B46	L	< 2000								
116	B49	L	> 5000	B50	L	< 2000				B55	L	2000-5000									B37	L	< 2000																				B46	L	< 2000							
117	B49	L	> 5000	B50	L	< 2000				B55	L	2000-5000	B56	L	< 2000						B37	L	2000-5000	B61	L	< 2000	B41	L	< 2000													B46	L	< 2000								
119	B49	L	> 5000	B50	L	2000-5000				B55	L	2000-5000	B56	L	< 2000						B37	L	2000-5000																				B46	L	< 2000							
120	B49	L	> 5000	B50	L	< 2000				B55	L	< 2000	B56	L	< 2000						B37	L	< 2000																				B46	L	< 2000							
136	B49	L	2000-5000	B50	L	< 2000				B55	L	2000-5000									B37	L	2000-5000																					B46	L	< 2000						
139	B49	L	> 5000	B50	L	< 2000				B55	L	2000-5000									B37	L	< 2000																					B46	L	< 2000						
142	B49	L	> 5000	B50	L	< 2000				B55	L	2000-5000									B37	L	< 2000																					B46	L	< 2000						
143	B49	L	> 5000	B50	L	2000-5000				B55	L	2000-5000									B37	L	2000-5000																						B46	L	< 2000					
145	B49	L	> 5000	B50	L	2000-5000				B55	L	2000-5000									B37	L	2000-5000																							B46	L	< 2000				
147	B49	L	> 5000	B50	L	2000-5000				B55	L	2000-5000	B56	L	< 2000						B37	L	2000-5000	B61	L	< 2000																				B46	L	2000-5000				
149	B49	L	> 5000	B50	L	< 2000				B55	L	< 2000									B37	L	2000-5000																								B46	L	< 2000			
157	B49	L	> 5000	B50	L	2000-5000				B55	L	2000-5000	B56	L	< 2000						B37	L	2000-5000	B61	L	< 2000																					B46	L	< 2000			
159	B49	L	> 5000	B50	L	2000-5000				B55	L	2000-5000									B37	L	2000-5000																								B46	L	< 2000			
162	B49	L	> 5000	B50	L	2000-5000				B55	L	2000-5000									B37	L	2000-5000																								B46	L	< 2000			
163	B49	L	> 5000	B50	L	< 2000				B55	L	2000-5000									B37	L	2000-5000																									B46	L	< 2000		
164	B49	L	> 5000	B50	L	2000-5000				B55	L	2000-5000									B37	L	2000-5000																											B46	L	< 2000
165	B49	L	> 5000	B50	L	2000-5000				B55	L	2000-5000									B37	L	> 5000																											B46	L	< 2000
169	B49	L	> 5000	B50	L	2000-5000				B55	L	2000-5000	B56	L	< 2000						B37	L	> 5000																											B46	L	< 2000
181	B49	L	>																																																	

UK NEQAS FOR H&I SCHEME 3 - HLA SPECIFICITY ANALYSIS

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HLA specificity for assessment		B47		B48		B53		B59		B67		B71		B72		B73		B78		B81		
Consens	Absent									Not Assessed		Present		Present		Not Assessed		Present		Not Assessed		
1.3%	1.3%									66.7%		88.5%		79.5%		23.1%		98.7%		9.0%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	
9																						
11				B53	L																	
12				B53	L																	
14				B53	L																	
15				B53	L																	
19				B53	L																	
20				B53	L																	
23				B53	L																	
24				B53	L																	
25				B53	L																	
26				B53	L																	
28				B53	L																	
34				B53	L																	
35				B53	L																	
38				B53	L																	
39				B53	L																	
41				B53	L																	
42				B53	L																	
45				B53	L																	
48				B53	L																	
51				B53	L																	
54				B53	L																	
58				B53	L																	
62				B53	L																	
100				B53	L																	
101				B53	L																	
112				B53	L																	
114				B53	L																	
116				B53	L																	
117				B53	L																	
119				B53	L																	
120				B53	L																	
136				B53	L																	
139				B53	L																	
142				B53	L																	
143				B53	L																	
145				B53	L																	
147				B53	L																	
149				B53	L																	
157				B53	L																	
159				B53	L																	
162				B53	L																	
163				B53	L																	
164				B53	L																	
165				B53	L																	
169				B53	L																	
181				B53	L																	
185				B53	L																	
186				B53	L																	
190				B53	L																	
193				B53	L																	
194				B53	L																	
195				B53	L																	
197				B53	L																	
204				B53	L																	
206				B53	L																	
209				B53	L																	
210				B53	L																	
218				B53	L																	
227				B53	L																	
232				B53	L																	
235				B53	L																	
238				B53	L																	
243				B53	L																	
245				B53	L																	
262				B53	L																	
267				B53	L																	
268				B53	L																	
273				B53	L																	
277				B53	L																	
284				B53	L																	
292				B53	L																	
293				B53	L																	
294				B53	L																	
297				B53	L																	
301				B53	L																	
303				B53	L																	
309				B53	L																	
311				B53	L																	
315				B53	L																	

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

Number	1	< 2000	1	< 2000	66	< 2000	73	< 2000	52	< 2000	69	< 2000	62	< 2000	18	< 2000	77	< 2000	7	< 2000
Total	78	0	78	1	78	0	78	0	78	35	78	12	78	37	78	15	78	4	78	5
	0	2000-5000	0	2000-5000	42	2000-5000	14	2000-5000	15	2000-5000	53	2000-5000	22	2000-5000	2	2000-5000	3	2000-5000	1	2000-5000
	0	> 5000	0	> 5000	1	> 5000	57	> 5000	0	> 5000	3	> 5000	1	> 5000	1	> 5000	66	> 5000	1	> 5000

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CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 305/2015
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HLA specificity for assessment																																						
Lab no.	B82		Cw1				Cw2				Cw9				Cw10				Cw7				Cw8				Cw14				Cw15				Cw16			
	Consens % report	Not Assessed 9.0%	tech	MFI	tech	MFI	tech	MFI	tech	MFI	tech	MFI	tech	MFI	tech	MFI	tech	MFI	tech	MFI	tech	MFI	tech	MFI	tech	MFI	tech	MFI	tech	MFI								
9																																						
11																																						
12	B82		L	< 2000	Cw1	L	< 2000	Cw2	L	< 2000	Cw9	L	2000-5000	Cw10	L	< 2000	2000-5000	Cw7	L	< 2000	Cw8	L	< 2000															
14																																						
15																																						
19																																						
20																																						
23																																						
24																																						
25																																						
26																																						
28	B82		L	< 2000																																		
34																																						
35																																						
38																																						
39	B82		L	< 2000																																		
41																																						
42	B82		L	< 2000	Cw1	L	< 2000	Cw2	L	< 2000	Cw9	L	2000-5000	Cw10	L	2000-5000	Cw7	L	< 2000	Cw8	L	< 2000																
45																																						
48																																						
51																																						
54	B82		L	< 2000	Cw1	L	2000-5000	Cw2	L	< 2000	Cw9	L	> 5000	Cw10	L	> 5000	Cw7	L	< 2000	Cw8	L	2000-5000																
58																																						
62																																						
100																																						
101																																						
112																																						
114																																						
116																																						
117	B82		L	< 2000	Cw1	L	< 2000	Cw2	L	< 2000	Cw9	L	2000-5000	Cw10	L	2000-5000	Cw7	L	< 2000	Cw8	L	< 2000																
119																																						
120																																						
136																																						
139																																						
142																																						
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162																																						
163																																						
164																																						
165																																						
169																																						
181	B82		L	< 2000	Cw1	L	< 2000																															
185																																						
186																																						
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315																																						

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

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UK NEQAS FOR H&I SCHEME 3 - HLA SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 305/2015
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HLA specificity for assessment			
Cw17			
Consens	Absent		
% report	1.3%		
Lab no.	spec	tech	MFI
9			
11			
12			
14			
15			
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24			
25			
26			
28			
34			
35			
38			
39	Cw17	L	< 2000
41			
42			
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303			
309			
311			
315			

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

Number	1	< 2000
Total	78	1
		2000-5000
		0
		> 5000
		0

UK NEQAS FOR H&I SCHEME 3 - HLA SPECIFICITY ANALYSIS

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 305/2015

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Techniques used IgG	Sample Treatment IgG	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
Lab no.														
9 Luminex	None	Not tested - A210, B5103, B703, B4005	LS1A04	500	13316	39								
11 Luminex	None		LS1A04	1000	12993	233	LSM12	2.5	10693	43				
12 Luminex	EDTA	B*13:02	LS1A04	500	18249	206								
14 Luminex	None	C*03:02	LS1A04	1500	13208	90	LSM12	3	13537	105				
15 Luminex	EDTA	B*13:02, B*15:02	LS1A04	1000	19668	30								
19 Luminex	EDTA	B*13:02, B*15:02	LS1A04	1000	19467	56								
20 CDC+Luminex	EDTA	B*13:02, B*15:02, B*40:02	LS1A04	500	14725	73								
23 Luminex	None	B*15:02	LS1A04	1000	18251	27								
24 Luminex	EDTA	B*13:02, B*15:02	LS1A04	1000	17361	57	LSA1	2000/5/5	16706	121	LS1PRA	1000	14294	62
25 Luminex	EDTA	B*13:02, B*15:02	LS1A04	1000	16642	318	LSA1	1500	1860	62				
26 Luminex	None	Cw*03:02	LS1A04	1200	16271	152	LSM12	4.4	14655	793				
28 Luminex	None		LS1A04	500	17152	127								
34 Luminex	None	B(13:02	LS1A04	509	12219	73								
35 CDC+Luminex	None	B*13:02	LS1A04	1000	11229	58	LSM12	2.1	23952	210				
38 Luminex	EDTA	B*51:03	LS1A04	1100	13518	60	LSM12	500	15894	91				
39 Luminex	EDTA	B*13:02, B*15:02, B*40:02	LS1A04	1000	18456	70								
41 Luminex	None	B*13:02, B*15:02	LS1A04	2000	10577	98								
42 CDC+Luminex	EDTA	B*13:02, B*15:02	LS1A04	500	13760	139	LSM12	4.5	15517	89				
45 Luminex	EDTA		LS1A04	1500	18000	120								
48 Luminex	Heat Inactivation													
51 Luminex	EDTA	B*15:02	LS1A04	900	8397	70								
54 Luminex	None	B*13:02	LS1A04	750	9086	74	LSM12	350	15778	84				
58 Luminex	EDTA		LS1A04	1000	15511	175	LSM12	2.5-3.0	10160	47				
62 Luminex	None	B*13:02, B*15:02	LS1A04	1500	15053	53								
100 Luminex	None		LM1	652	21634	115	LSA1	618	18734	285				
101 Luminex	None		LS1A04	1000	10180	337								
112 Luminex	None	B*51:01	LS1A04	>1200	7379	34.76	LSA1	>500	17696	192/466/282				
114 CDC+Luminex	None		LS1A04	1000	10256	30								
116 CDC+Luminex	None	B*15:02	LS1A04	1000	14920	46	LSM12		15650	198				
117 ELISA+Luminex	None	B*13:02, B*40:02	LS1A04	500	16164	67								
119 Luminex	EDTA	B*13:02, B*15:02	LS1A04	BNV>1000	17913	47	LSM12	Ratio>1.5	11482	22				
120 Luminex	None	B*13:02, B*15:02	LS1A04	500	12847	41								
136 CDC+Luminex	None	B*13:02, B*15:02	LS1A04	1000	20002	43								
139 Luminex	None		LS1A04	1000	16609	54	LSM12	4	17080	75				
142 Luminex	EDTA		LS1A04	1000	15721	46								
143 Luminex	None		LS1A04	1000	5796	49								
145 Luminex	None	B*13:02, B*15:02	LS1A04	1000	15650	56	LSM12	1.5/1.2	16408	233				
147 CDC+Luminex	None	B*13:01 neg, B*13:02 pos, B*15:02 pos, B*15:11 neg, B*40:02 pos, B*40:06 neg, C*03:02, C*03:04	LS1A04	MFI>1000	15464	86	LSM12	Ratio>5	14620	165				
149 Luminex	None		LSA1		10000	127-1612								
157 Luminex	EDTA	A*24:02, B*13:02, B*15:02, B*40:02, B*57:01	LS1A04	1000	19200	23								
159 CDC+Luminex	None	B*13:02, B*15:02	LS1A04	1500	14142	71								
162 CDC+Luminex	EDTA	B*13:02	LS1A04	1000	14800	32	LSM12	3	1700	31				
163 Luminex	None	Cw*03:02	LS1A04	1500	12621	55								
164 CDC+Luminex	None		LS1A04	1000	13103	78								
165 Flow Cytometry+ELISA	None		LS1A04	91	14901	163								
169 Luminex	None	A*33:01, B*15:02	LS1A04	1000	16343	59								
181 Luminex	None	C*03:02	LS1A04	2000	15560	39								
185 Luminex	EDTA		LM1	21771	64		LSA1		19776	239				
186 Luminex	None		LS1A04	1500	11807	31								
190 Luminex	EDTA		LS1A04	1000	17302	56								
193 Luminex	None		LS1A04	1000	16358	45								
194 CDC+Luminex	DTT		LS1A04	1000	15200	53								
195 Luminex	None													
197														
204 Luminex	EDTA	B*15:02, C*03:02	LS1A04	1000	15565	54								
206 Luminex	EDTA		LS1A04	1000	15530	52	LM1	3	21449	<95				
209 CDC+Luminex	None		LS1A04	500	14635	45								
210														
218 Luminex	Heat Inactivation		LSA1											
227 Luminex	None		LS1A04	1000	16948	51								
232 Luminex	None		LS1A04		10232	62								
235 Luminex	None		LS1PRA	1000	15950	26								
238 CDC+Luminex	None		LM1	1000	22956	85	LSA1	5	20607	128				
243 Luminex	None	B*15:02	LS1A04	1000	111930	27								
245 Luminex	None	B*13:02, B*15:02	LS1A04	1000/500	16051	81								
262 Luminex	None		LSA1	>4	21153	313								
267 Luminex	None		LM1	21903	118-283-289	LSA1	BCM>500	15708	181-390-345	LSMUTR	1.5/1.2	12717	40	
268 CDC+Luminex	None	B*15:02, Cw*03:02	LM1	1000	21347	199/229/312	LSA1	1500	20653	180/261/216				
273 Luminex	None		LS1A04	1742	16414	123								
277 Luminex	None	B*13:02, B*15:02, B*40:02	LS1A04	500	13558	27								
284 CDC+Luminex	EDTA	B*15:02, C*03:02	LS1A04	1000	11937	44	LSM12	Ratio=3	12821	71				
292 Luminex	None	B*13:02	LS1A04	500	1457.96	36.57	LSM12	2.5	14044.44	94.72				
293 Luminex	None		LS1PRA	500	11331	66								
294 CDC+Luminex	None	Bw4	LSA1	A+BCR>4	19308									
297 Luminex	None		LSA1	A+BCR>4	10250	541								
301 Luminex	None													
303 Luminex	EDTA	C*03:02	LS1A04	1000	11265	40								
309 Luminex	None		LM1	1500	21103	61	LSA1		20474	401				
311 Luminex	EDTA		LS1A04	1000	15786	60								
315 Luminex	None		LS1A04	2000	13931	39								

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