

UK NEQAS FOR H&I SCHEME 3 - HLA ANTIBODY IDENTIFICATION

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 306/2014

DESPATCHED ON 17TH JUNE 2014

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	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative
Lab no.																		
9 L	No treatment		LS1A04	400	8883	326												
11 L	No treatment		LS1A04	1000	8741	306												
12 L	EDTA		LS1A04	>500	15656	1124	LSM12	Ratio 5	16578	1965								
14 L	No treatment		LS1A04	1500	13005	307	LSM12	3.1	11528	157								
15 L	EDTA	A*34:01	LS1A04	1000	16820	261												
19 L	EDTA	A*34:01, C*03:02	LS1A04	1000	20301	301												
20 C+L		A*34:01	LS1A04	500	12416	329												
23 L	No treatment	A*34:01	LS1A04	1000	12721	46.04												
24 L	EDTA	A*34:01	LSA1	1500/4/5	14845	120	LS1PRA	1000	13202	426	LSA1A04	1000	16406	106				
25 L	EDTA	A*34:01	LSA1	1500	16562	112	LS1A04	1000	15317	494								
26 L	No treatment		LS1A04	1200	12735	400	LSM12	4.4	15853	1903								
28 L	No treatment		LSA1	ADJVAL3>4	14450	277	LS1A04	500	13858	393								
29 C+L	No treatment		LM1	195	19960	59/62/66	LMX		19496	107/83/125	LSA1	303	16249	132/331/226				
34 L	No treatment	A*34:01, B*13:02	LS1A04	586	13524	623												
35 C+L	No treatment	A*34:01	LS1A04	1000			LSM12											
38 L	EDTA		LS1A04	1000	12177	201												
39 L	EDTA	A*34:01	LS1A04	1000	14834	421												
41 L	No treatment	B*13:02	LS1A04	2000	15523	259												
42 C+L	EDTA	A*34:01	LS1A04	15289	318		LSM12	Ratio 4.5	13715	810								
45 L	EDTA		LS1A04	1500	16000	240	LSM12											
48 L	Heat Inactivation	A*34:01																
51 L	EDTA	A*34:01	LS1A04	250	9499	132	LSM12	4.6	7960	166								
54 L	Adsorbed		LS1A04	750	16094	495	LSM12	350	14369	969								
58 L	No treatment		LMX		17128		LS1A04	1000	16418	397	LSM12	Ratio 2.5-3.0	16883	2581				
62 L	No treatment		LS1A04	2000	17155	358												
100 L	No treatment		LM1	229	19315	223	LSA1	624	15393	92								
112 L	No treatment	A*66:02, B*27:05	LSA1	500	17358	145/377/282												
114 C+L	No treatment	A*34:01	LS1A04	1000	9931	186												
116 C+L	No treatment		LS1A04	1000	17743	529	LSM12		12685	189								
117 E+L	Adsorb out for luminex but still had high NC		LS1A04	500	18240	778												
119 L	No treatment		LS1A04	1000	20065	364	LSM12	1.5	18802	1381								
120 L	No treatment	A*34:01	LS1A04	500	13626	366												
136 C+L	No treatment	A*34:01	LS1A04	1000	17722	243												
139 C+L	No treatment	A*34:01	LS1A04	1000	16934	284	LSM12	4	15511	453								
142 L	EDTA		LS1A04	1000	14486	172												
143 L	No treatment	A*34:01, B*13:02	LS1A04	1000	8151	55												
145 L	Adsorption	B*13:02, 40:02	LS1A04	1000	16708	443	LSM12	1.5/1.2	12308	230								
147 C+L	No treatment	A*34:01, 34:02, B*13:01, 13:02	LS1A04	1500	16235	248.78	LSM12		11458	116								
149 L		A*66:02, B*81:01, 07:02, 27:05	LSA1	1000	1000	227-650												
157 L	No treatment	A*34:01, B*27:05	LS1A04	1000	15400	136												
159 C+L	No treatment	A*34:01	LS1A04	1500	15594	344												
162 C+L	No treatment	A*34:01	LS1A04	1000	18666	241	LSM12	3	16349	563								
163 NT																		
164 C+L	No treatment		LS1A04	2500	14856	197												
165 F+E+L	No treatment		LS1A04	1000	15653	1068												
169 L	No treatment		LS1A04	1000	15439	61												
181 L	No treatment		LS1A04	500	13021	437												
185 L			LM1		23733		LSA1			17711								
186 C+L	No treatment		LS1A04	1500	14014	789												
190 L	EDTA		LS1A04	1000	16104	626	LSM12	3	15232	856								
193 L	No treatment	B*13:02	LS1A04	1000	13120	163												
194 C+L	DTT		LS1A04	1000	18778	362												
195 L	No treatment		LS1A04	1000	14300	265												
197	No results received																	
204 L	EDTA	A*34:01	LS1A04	1000	11923	194												
206 L	EDTA	A*34:01	LS1A04	1000	13861	626												
209 C+L	No treatment		LS1A04	500	14662	205												
216 L			LS1PRA	660	15492	287												
218 L	Heat Inactivation	A*66:01, 66:02	LM1		19710		LSA1			15916								
223 C																		
227 L	Dilution		LM1	1000	22696	109	LS1A04	1500	15795	151								
229 L	No treatment	B*27:05	LSA1		12517													
232 L	No treatment		LS1A04		10949	861												
235 L			LS1PRA	1000	10756	68												
238 L	No treatment		LM1				LSA1			19105			290/1252/739					
243 L	No treatment		LS1A04	1000	12289	85												
245 L	No treatment	A*34:01	LS1A04	+1000; 500	13700	373												
262 L	No treatment		LSA1	ADBCR >5	17708	307												
267 L	No treatment		LM1	1000	21353	<369	LSMUTR	1.5/1.2	13110	67								
268 C+L	No treatment		LM1	1000	20783	122/124/107	LSA1	1500	16525	179/354/241								
277 L	No treatment		LS1A04	500	11939	158												
284 C+L	EDTA	A*34:01, B*13:02, 40:02	LS1A04	1000	14150	349	LSM12	3	16606	442								
292	No results received																	
293 L	No treatment		LS1A04	603	13148	23												
297 L	No treatment	A*66:02, B*27:05	LSA1	ADBCR >5	16096	231												
303 L	EDTA	A*34:01	LS1A04	1000	12923	366												
309 L	No treatment		LM1	800	19400	80	LSA1	600	17600	300								
311 L	EDTA	A*34:01	LS1A04	1500	18225	697												

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

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CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 306/2014

DESPATCHED ON 17TH JUNE 2014

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	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative
Lab no.																		
9 L	No treatment		LS1A04	400	11052	32												
11 L	No treatment		LS1A04	1000	8968	27												
12 L	EDTA	A*33:01, 30:02	LS1A04	500	15471	36	LSM12	Ratio 5	17043	61								
14 L	No treatment	A*33:01	LS1A04	1500	12434	23	LSM12	3.1	12586	34								
15 L	EDTA	A*33:01	LS1A04	1000	17573.44	17.78	LSM12	1000	16896.93	39.27								
19 L	EDTA	A*33:01, 30:02	LS1A04	1000	16656	31												
20 C+L		A*33:01, 30:02	LS1A04	500	6618	13												
23 L	No treatment		LS1A04	1000	14993	9.41												
24 L	EDTA	A*33:01, 30:02	LSA1	1500/4/5	14615	136	LS1PRA	100	12391	53	LS1A04	1000	17040	18				
25 L	EDTA	A*33:01	LSA1	1500	16067	116	LS1A04	1000	14914	34								
26 L	No treatment		LS1A04	1200	12612	36												
28 L	No treatment		LSA1	ADJ/VAL3>4	14541	385	LS1A04	500	13973	48								
29 C+L	No treatment		LM1	317	21173	60/186/77			21028	107/101/169	LSA1	793	15951	173/255/160				
34 L	No treatment	A*33:01, 30:02	LS1A04	525	13920	34												
35 C+L	No treatment	A*30:02	LS1A04				LSM12											
38 L	EDTA	A*33:01	LS1A04	1000	11076	36												
39 L	EDTA	A*33:01	LS1A04	1200	13866	52												
41 L	No treatment	A*33:01, 30:02	LS1A04	2000	17687	54												
42 C+L	EDTA	A*34:02	LS1A04	14082	37		LSM12	Ratio 4.5	11646	34								
45 L	EDTA	A*33:01	LS1A04	1500	12800	45	LSM12											
48 L	Heat inactivation	A*33:01, 30:02																
51 L	EDTA	A*33:01	LS1A04	650	7510	42												
54 L	No treatment		LS1A04	750	14473	32	LSM12	350	14498	39								
58 L	No treatment		LMX		20129		LS1A04	1000	15454	27	LSM12	Ratio 2.5-3.0	16236	23				
62 L	No treatment	A*33:01	LS1A04	1500	16252	36.81												
100 L	No treatment		LM1	662	22422	155	LSA1	754	18429	462								
112 L	No treatment		LSA1	500	18351	150/314/142												
114 C+L	No treatment	A*33:01, 30:02	LS1A04	1000	12387	38												
116 C+L	No treatment	A*33:01, 30:02	LS1A04	1000	16508	25	LSM12		13303	20								
117 E+L	No treatment		LS1A04	500	15409	53												
119 L	No treatment	A*33:01, 30:02	LS1A04	1000	16207	18	LSM12	1.5	16865	20								
120 L	No treatment	A*33:01, 30:02	LS1A04	500	14030	22												
136 C+L	No treatment	A*33:01, 30:02	LS1A04	1000	16573	29												
139 L	No treatment	A*33:01	LS1A04	1000	14863	24	LSM12	4	14757	23								
142 L	EDTA		LS1A04	1000	14810	25												
143 L	No treatment	A*33:01, 30:02, 68:02, 11:01, B*40:06	LS1A04	1000	15046	58												
145 L	No treatment	A*33:01, 30:02	LS1A04	1000	16070	24	LSM12	1.5/1.2	12308	230								
147 C+L	No treatment	A*33:01, 33:03, 30:02, 30:02	LS1A04	1500	16343	38												
149 L	No treatment	A*32:01, 33:01, B*51:01	LSA1	10000	227-650													
157 L	No treatment	A*33:01, 30:02	LS1A04	1000	15300	14												
159 C+L	No treatment	A*33:01	LS1A04	1500	15592	31												
162 C+L	No treatment	A*33:01, 30:02	LS1A04	1000	15819	27	LSM12	3	16493	33								
163 NT																		
164 C+L	No treatment		LS1A04	2500	15000	31												
165 F+E+L	No treatment		LS1A04	1000	15116	100												
169 L	No treatment		LS1A04	1000	7306	5												
185 L	No treatment		LS1A04	500	8773	28												
185 L			LM1		25077		LSA1		17525									
186 C+L	No treatment		LS1A04	1500	14088	107												
190 L	EDTA		LS1A04	1000	17266	88	LSM12	3	17626	28								
193 L	No treatment	A*33:01	LS1A04	1000	12818	18												
194 C+L	DTT		LS1A04	1000	15030	140												
195 L	No treatment		LS1A04	1000	12136	18												
197	No results received																	
204 L	EDTA	A*33:01, 30:02	LS1A04	1000	11910	43												
206 L	EDTA	A*33:01	LS1A04	1000	12352	84												
209 C+L	No treatment		LS1A04	500	15420	32												
216 L		B*18:01, 35:01, 35:08, 53:01, 78:01, 51:01, 15:02/75, 15:16/63, 15:18/71	LS1PRA	1868	11399	111												
218 L	Heat inactivation		LM1		20843		LSA1		15430									
223 C																		
227 L	Dilution		LM1	1000	22889	211	LS1A04	1500	15943	24								
229 L	No treatment	B*35:01, 35:08, 78:01, 18:01, 53:01	LSA1		13216													
232 L	No treatment		LS1A04		8654	35												
235 L			LS1PRA	1000	11738	27												
238 L	No treatment		LM1				LSA1		18260	176/566/281								
243 L	No treatment	A*30:02	LS1A04	1000	14239	23												
245 L	No treatment	A*33:01, 30:02	LS1A04	+1000; -500	15200	32												
262 L	No treatment		LSA1	ADBCR >5	17574	178												
267 L	No treatment		LM1	1000	21871	<277	LSMUTR	1.5/1.2	4502	18								
268 C+L	No treatment		LM1	1000	21455	84/212/125	LSA1	1500	16430	203/277/195								
277 L	No treatment	A*33:01, 30:02	LS1A04	500	12759	19												
284 C+L	EDTA	A*33:01, C*03:02	LS1A04	1000	13632	26	LSM12	3	16123	52								
292	No results received																	
293 L	No treatment		LS1A04	2110	12010	14												
297 L	No treatment		LSA1	ADBCR >5	1861	186												
303 L	EDTA	A*33:01	LS1A04	1000	14008	46												
309 L	No treatment		LM1	600	21300	120	LSA1	500	17000	250								
311 L	EDTA		LS1A04	1500	16238	47												

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

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CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 308/2014

DESPATCHED ON 17TH JUNE 2014

HLA specificity for assessment			A203 Not Assessed 44.0%			A3 Absent 1.3%			A23 Not Assessed 25.3%			A24 Not Assessed 32.0%			A2403 Not Assessed 22.7%			A11 Not Assessed 8.0%			A31 Not Assessed 8.0%			A68 Present 94.7%			A69 Present 94.7%			A80 Present 93.3%			B51 Not Assessed 8.0%			B52 Absent 4.0%		
Consensus % reported	Present 98.7%		spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI			
9	A2	L	> 5000			A203	L	> 5000			A23	L	< 2000			A24	L	< 2000			A2403	L	< 2000			A68	L	2000-5000	A69	L	2000-5000	A80	L	2000-5000				
11	A2	L	2000-5000																								A68	L	2000-5000	A69	L	2000-5000	A80	L	< 2000			
12	A2	L	> 5000			A203	L	> 5000			A23	L	< 2000			A24	L	< 2000			A2403	L	< 2000			A68	L	2000-5000	A69	L	2000-5000	A80	L	2000-5000				
14	A2	L	> 5000																							A68	L	2000-5000	A69	L	2000-5000	A80	L	2000-5000				
15	A2	L	2000-5000																							A68	L	< 2000	A69	L	2000-5000	A80	L	2000-5000				
19	A2	L	> 5000								A23	L	< 2000			A24	L	< 2000			A2403	L	< 2000			A68	L	2000-5000	A69	L	2000-5000	A80	L	2000-5000				
20	A2	L	> 5000								A23	L	< 2000			A24	L	< 2000			A2403	L	< 2000			A68	L	2000-5000	A69	L	2000-5000	A80	L	2000-5000				
23	A2	L	> 5000			A203	L	> 5000																		A68	L	> 5000	A69	L	> 5000	A80	L	2000-5000				
24	A2	L	> 5000			A203	L	> 5000																		A68	L	2000-5000	A69	L	2000-5000	A80	L	2000-5000				
25	A2	L	2000-5000																							A68	L	< 2000	A69	L	2000-5000	A80	L	< 2000				
26	A2	L	2000-5000																							A68	L	< 2000	A69	L	< 2000	A80	L	< 2000				
28	A2	L	> 5000			A203	L	2000-5000																		A68	L	2000-5000	A69	L	2000-5000	A80	L	2000-5000				
29	A2	L	< 2000			A203	L	< 2000																		A68	L	< 2000	A69	L	< 2000	A80	L	< 2000				
34	A2	L	2000-5000			A203	L	2000-5000																		A68	L	< 2000	A69	L	< 2000	A80	L	< 2000				
35	A2	L	> 5000																							A68	L	> 5000	A69	L	> 5000	A80	L	2000-5000				
38	A2	L	> 5000			A203	L	> 5000																		A68	L	2000-5000	A69	L	2000-5000	A80	L	> 5000				
39	A2	L	2000-5000			A203	L	2000-5000																		A68	L	2000-5000	A69	L	2000-5000	A80	L	2000-5000				
41	A2	L	> 5000								A23	L	< 2000			A24	L	< 2000								A68	L	> 5000	A69	L	> 5000	A80	L	> 5000				
42	A2	L	> 5000								A23	L	< 2000			A24	L	< 2000			A2403	L	< 2000			A68	L	2000-5000	A69	L	2000-5000	A80	L	2000-5000				
45	A2	L	2000-5000			A203	L	2000-5000																		A68	L	2000-5000	A69	L	2000-5000	A80	L	2000-5000				
48	A2	L	> 5000													A24	L	< 2000							A68	L	> 5000	A69	L	> 5000	A80	L	> 5000					
51	A2	L	2000-5000			A203	L	2000-5000			A23	L	< 2000			A24	L	< 2000			A2403	L	< 2000			A68	L	2000-5000	A69	L	2000-5000	A80	L	2000-5000				
54	A2	L	> 5000			A203	L	> 5000																		A68	L	2000-5000	A69	L	2000-5000	A80	L	2000-5000				
58	A2	L	2000-5000			A203	L	2000-5000																		A68	L	2000-5000	A69	L	2000-5000	A80	L	2000-5000				
62	A2	L	> 5000																							A68	L	2000-5000	A69	L	2000-5000	A80	L	> 5000				
100	A2	L	> 5000			A203	L	< 2000																		A68	L	< 2000	A69	L	< 2000	A80	L	< 2000				
112	A2	L	< 2000			A203	L	< 2000			A23	L	< 2000													A68	L	< 2000	A69	L	< 2000	A80	L	< 2000	B51	L	< 2000	
114	A2	L	> 5000			A203	L	> 5000			A23	L	< 2000			A24	L	< 2000			A2403	L	< 2000			A68	L	> 5000	A69	L	> 5000	A80	L	> 5000				
116	A2	L	> 5000			A203	L	> 5000																		A68	L	2000-5000	A69	L	2000-5000	A80	L	2000-5000				
117	A2	E+L	> 5000			A203	L	2000-5000								A24	L	< 2000								A68	L	> 5000	A69	L	> 5000	A80	L	> 5000				
119	A2	L	> 5000			A203	L	> 5000			A23	L	< 2000			A24	L	< 2000			A2403	L	< 2000			A68	L	> 5000	A69	L	> 5000	A80	L	> 5000				
120	A2	L	> 5000													A24	L	< 2000							A68	L	2000-5000	A69	L	2000-5000	A80	L	2000-5000					
136	A2	L	> 5000			A203	L	> 5000								A24	L	< 2000			A2403	L	< 2000			A68	L	> 5000	A69	L	> 5000	A80	L	> 5000				
139	A2	L	> 5000																							A68	L	2000-5000	A69	L	2000-5000	A80	L	2000-5000				
142	A2	L	> 5000																							A68	L	2000-5000	A69	L	2000-5000	A80	L	2000-5000				
143	A2	L	> 5000																							A68	L	> 5000	A69	L	> 5000	A80	L	> 5000				
145	A2	L	> 5000			A203	L	> 5000								A23	L	< 2000			A24	L	< 2000			A68	L	2000-5000	A69	L	2000-5000	A80	L	2000-5000				
147	A2	L	> 5000								A23	L	< 2000			A24	L	< 2000			A2403	L	< 2000			A68	L	> 5000	A69	L	> 5000	A80	L	> 5000				
149	A2	L	2000-5000			A203	L	2000-5000			A3	L	< 2000			A23	L	2000-5000			A24	L	2000-5000			A68	L	2000-5000	A69	L	2000-5000	A80	L	2000-5000				
157	A2	L	> 5000																							A68	L	> 5000	A69	L	> 5000	A80	L	> 5000				
159	A2	L	> 5000																							A68	L	2000-5000	A69	L	2000-5000	A80	L	2000-5000				
162	A2	L	> 5000			A203	L	> 5000								A24	L	< 2000			A2403	L	< 2000			A68	L	2000-5000	A69	L	> 5000	A80	L	2000-5000				
163	NT	NT	NT			NT	NT	NT			NT	NT	NT			NT	NT	NT			NT	NT	NT			NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
164	A2	L	> 5000																							A68	L	2000-5000	A69	L	2000-5000	A80	L	2000-5000				
165	A2	F+E+L	> 5000																							A68	L	> 5000	A69	L	> 5000	A80	L	> 5000				
169	A2	L	> 5000			A203	L	> 5000																		A68	L	> 5000	A69	L	> 5000	A80	L	> 5000				
181	A2	L	2000-5000			A203	L	2000-5000																		A68	L	< 2000	A69	L	< 2000	A80	L	< 2000				
185	A2	L	< 2000			A203	L	2000-5000			A23	L	< 2000			A24	L	< 2000			A2403	L	< 2000			A68	L	< 2000	A69	L	< 2000	A80	L	< 2000	B51	L	< 2000	
186	A2	L	> 5000													A24	L	< 2000							A68	L	> 5000	A69	L	> 5000	A80	L	> 5000					
190	A2	L	> 5000																							A68	L	2000-5000	A69	L	2000-5000	A80	L	2000-5000				
193	A2	L	> 5000			A203	L	> 5000																		A68	L	2000-5000	A69	L	2000-5000	A80	L	2000-5000				

UK NEQAS FOR H&I SCHEME 3 - HLA ANTIBODY IDENTIFICATION

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 308/2014

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HLA specificity for assessment																																		
Consensus % reported		B78 Absent 2.7%			B82 Absent 2.7%			Cw1 Not Assessed 9.3%			Cw2 Present 82.7%			Cw4 Not Assessed 62.7%			Cw5 Present 88.0%			Cw6 Present 84.0%			Cw7 Not Assessed 5.3%			Cw15 Present 84.0%			Cw17 Present 81.3%			Cw18 Present 92.0%		
Lab.no	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI				
9																																		
11																																		
12																																		
14																																		
15																																		
19																																		
20																																		
23																																		
24																																		
25																																		
26																																		
28																																		
29	B78	L	< 2000	B82	L	< 2000																												
34																																		
35																																		
38																																		
39																																		
41																																		
42																																		
45																																		
48																																		
51																																		
54																																		
58																																		
62																																		
100																																		
112																																		
114																																		
116																																		
117																																		
119																																		
120																																		
136																																		
139																																		
142																																		
143																																		
145																																		
147																																		
149																																		
157																																		
159																																		
163	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT																						
164																																		
165																																		
169																																		
181																																		
185																																		
186																																		
190																																		
193																																		
194																																		
195																																		
197	Not results received																																	
204																																		
206																																		
209																																		
216																																		
218																																		
223																																		
227																																		
229	B78	L	< 2000	B82	L	< 2000																												
232																																		
235																																		
238																																		
243																																		
245																																		
262																																		
267																																		
268																																		
277																																		
284																																		
292	Not results received																																	
293																																		
297																																		
303																																		
309																																		
311																																		

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

Number	2	< 2000	2	< 2000	7	< 2000	62	< 2000	47	< 2000	66	< 2000	63	< 2000	4	< 2000	63	< 2000	61	< 2000	69	< 2000
Total number	75	2	75	2	75	5	75	4	75	36	75	6	75	2	75	4	75	3	75	4	75	9
		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
	0		0		1		43		8		24		19		0		13		34		34	
	> 5000		> 5000		> 5000		> 5															

UK NEQAS FOR H&I SCHEME 3 - HLA ANTIBODY IDENTIFICATION

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 306/2014

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Techniques used	Sample Treatment	Allele Specific Antibodies	Luminex kit (lot)	Cut-off value	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot)	Cut-off value	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot)	Cut-off value	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot)	Cut-off value	Control bead MFI Positive	Control bead MFI Negative
IgG	IgG	IgG	IgG	IgG			IgG	IgG			IgG	IgG			IgG	IgG		
Lab no.																		
9 L	No treatment		LS1A04	500	11515													
11 L	No treatment		LS1A04	1000	8329	59												
12 L	EDTA		LS1A04	500	14519	235	LSM12	Ratio 5	14572	1190								
14 L	No treatment		LS1A04	1500	12503	62	LSM12	3.1	11658	117								
15 L	EDTA		LS1A04	1000	16055	21												
19 L	EDTA		LS1A04	1000	18090	34												
20 C+L			LS1A04	500	13505	55												
23 L	No treatment		LS1A04	1000	13916	13.66												
24 L	EDTA		LSA1	1500/4/5	15305	278												
25 L	EDTA		LSA1	1500	16251.5	182	LS1PRA	1000	12045	182	LS1A04	1000	15717	23				
26 L	No treatment		LS1A04	1000	13987	75	LSM12	4.4	15360	802								
28 L	No treatment		LSA1	ADJVAL3-4	14589	471	LS1A04	500	12939	94								
29 C+L	No treatment		LM1	324	20648	36/175/147	LMX		19985	78/82/87	LSA1	630	16169	148/853/869				
34 L	No treatment		LS1A04	437	13808	58												
35 C+L	No treatment		LS1A04				LSM12											
38 L	EDTA		LS1A04	1000	10032	61												
39 L	EDTA		LS1A04	1000	13760	71												
41 L	No treatment		LS1A04	2000	16285	76												
42 C+L	EDTA		LS1A04	13934	279		LSM12	Ratio 4.5	10944	75								
45 L	EDTA		LS1A04	1500	12000	60	LSM12											
48 L	Heat Inactivation																	
51 L	EDTA		LS1A04	400	9000	40												
54 L	Adsorbed		LS1A04	750	15051	80	LSM12	350	14195	394								
58 L	No treatment		LMX		18355		LS1A04	1000	14106	108	LSM12	Ratio 2.5-3.0	14478	521				
62 L	No treatment		LS1A04	1000	13415	37.57												
100 L	No treatment		LM1	338	21693	69	LSA1	784	17905	293								
112 L	No treatment	A*68:02, B*07:02	LSA1	500	16298	267/869/427												
114 C+L	No treatment		LS1A04	1000	9670	35												
116 C+L	No treatment		LS1A04	1000	15413	61	LSM12		12031	30								
117 E+L	No treatment		LS1A04	500	13415	56												
119 L	No treatment		LS1A04	1000	19782	35	LSM12	1.5	16026	134								
120 L	No treatment		LS1A04	500	12312	116												
136 C+L	No treatment		LS1A04	1000	16027	73												
139 C+L	No treatment		LS1A04	1000	14081	64	LSM12	4	14773	198								
142 L	EDTA		LS1A04	1000	14883	33												
143 L	No treatment		LS1A04	1000	8753	11												
145 L	No treatment		LS1A04	1000	14449	68	LSM12	1.5/1.2	12308	230								
147 C+L	No treatment		LS1A04	1500	16480	83												
149 L		A*24:03, 11:02	LSA1		10000	227-650												
157 L	No treatment		LS1A04	1000	14400	25												
159 C+L	No treatment		LS1A04	1500	13810	53												
162 C+L	No treatment		LS1A04	1000	17085	57	LSM12	3	17575	189								
163 NT																		
164 C+L	No treatment		LS1A04	2500	15300	57												
165 F+E+L	No treatment		LS1A04	1000	14625	90												
169 L	No treatment		LS1A04	1000	15981	6												
181 L	No treatment		LS1A04	500	3790	16												
185 L			LM1		25861		LSA1		17353									
186 C+L	No treatment		LS1A04	1500	13766	199												
190 L	EDTA		LS1A04	1000	15597	140	LSM12	3	17365	99								
193 L	No treatment		LS1A04	1000	13209	128												
194 C+L	DTT		LS1A04	1000	15050	101												
195 L	No treatment		LS1A04	1000	13539	29												
197	No results received																	
204 L	EDTA		LS1A04	1000	9420	107												
206 L	EDTA		LS1A04	1000	12857	141												
209 C+L	No treatment		LS1A04	500	13897	37												
216 L			LS1PRA	1460	11264	111												
218 L	Heat Inactivation	A*11:02, 02:01, 02:02, 02:03, 02:05, 23:01, 24:02, 24:03, 31:01, 68:01, 68:02, 69:01, B*14:01/64, 14:02/65, 15:13/77, 27:05, 35:08, 39:01, 40:02/62, 47:01, 56:01, 73:01, 27:03, 27:08, 46:01, 49:01, 51:01, 52:01, C*07:02, 01:02, 05:01, 18:01	LM1		19777		LSA1		15925									
223 C																		
227 L	Dilution		LM1	1000	22166	289	LS1A04	1000	15532	39								
229 L	No treatment	A*02:02, 02:03, 02:05, 11:02, 23:01, 24:03, 31:01, 68:02, 80:01, B*07:02, 08:01, 14:01, 14:02, 15:13, 27:03, 27:05, 27:08, 35:01, 38:01, 39:01, 40:02, 46:01, 47:01, 48:01, 49:01, 51:01, 52:01, 56:01, 73:01, 78:01, 82:02, C*01:02, 07:02, 18:01	LSA1		13171													
232 L	No treatment		LS1A04		10624	69												
235 L			LS1PRA	1000	10754	35												
238 L	Adsorb		LM1				LSA1		18973	191/792/376								
243 L	No treatment		LS1A04	1000	13571	40												
245 L	No treatment		LS1A04	+1000; -500	14682	93												
262 L	No treatment		LSA1	ADBCR >5	17058	265												
267 L	No treatment		LM1	1000	21094	<163	LSMUTR	1.5/1.2	12958	122								
268 C+L	No treatment		LM1	1000	21327	59/153/119	LSA1	1500	16506	249/911/934								
277 L	No treatment		LS1A04	500	10461	23												
284 C+L	EDTA	B*57:03	LS1A04	1000	14433	62	LSM12	3	15016	97								
292	No results received																	
293 L	No treatment		LS1A04	2264	11635	27												
297 L	LSA Abs Bead		LSA1	ADBCR >5	16697	337												
303 L	EDTA		LS1A04	1000	13085	96												
309 L	No treatment		LM1	500	20100	130	LSA1	506	17600	200								
311 L	EDTA		LS1A04	1500	13590	75												

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

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CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 309/2014

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HLA specificity for assessment																											
Consensus % reported	B35 Present 93.3%			B41 Absent 1.3%			B53 Present 88.0%			B59 Absent 2.7%			B71 Not Assessed 60.0%			B78 Present 86.7%			Cw6 Absent 1.3%			Cw7 Absent 1.3%			Cw18 Absent 1.3%		
	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	B35	L	2000-5000				B53	L	<2000				B71	L	<2000	B78	L	<2000									
11	B35	L	<2000													B78	L	<2000									
12	B35	L	2000-5000				B53	L	2000-5000				B71	L	<2000	B78	L	2000-5000									
14	B35	L	2000-5000				B53	L	<2000							B78	L	<2000									
15	B35	L	<2000				B53	L	<2000							B78	L	<2000									
19	B35	L	<2000				B53	L	<2000				B71	L	<2000	B78	L	<2000									
20	B35	L	2000-5000				B53	L	<2000				B71	L	<2000	B78	L	<2000									
23	B35	L	2000-5000				B53	L	2000-5000				B71	L	<2000	B78	L	<2000									
24	B35	L	2000-5000				B53	L	<2000				B71	L	<2000	B78	L	<2000									
25	B35	L	<2000				B53	L	<2000							B78	L	<2000									
26	B35	L	<2000				B53	L	<2000							B78	L	<2000									
28	B35	L	2000-5000				B53	L	<2000				B71	L	<2000	B78	L	<2000									
29	B35	L	<2000				B53	L	<2000							B78	L	<2000									
34	B35	L	<2000				B53	L	<2000				B71	L	<2000	B78	L	<2000									
35	B35	L	2000-5000				B53	L	2000-5000				B71	L	<2000	B78	L	2000-5000	Cw6	L	<2000	Cw7	L	<2000	Cw18	L	<2000
38	B35	L	2000-5000				B53	L	<2000				B71	L	<2000	B78	L	<2000									
39	B35	L	2000-5000				B53	L	<2000				B71	L	<2000	B78	L	<2000									
41	B35	L	2000-5000				B53	L	2000-5000							B78	L	2000-5000									
42	B35	L	<2000				B53	L	<2000				B71	L	<2000	B78	L	<2000									
45	B35	L	<2000				B53	L	<2000							B78	L	<2000									
48	B35	L	>5000				B53	L	>5000				B71	L	2000-5000	B78	L	>5000									
51	B35	L	<2000				B53	L	<2000				B71	L	<2000	B78	L	<2000									
54	B35	L	2000-5000				B53	L	<2000				B71	L	<2000	B78	L	<2000									
58	B35	L	2000-5000				B53	L	<2000							B78	L	<2000									
62	B35	L	2000-5000				B53	L	2000-5000							B78	L	<2000									
100	B35	L	<2000				B53	L	<2000	B59	L	<2000				B78	L	<2000									
112																											
114	B35	L	>5000				B53	L	2000-5000				B71	L	<2000	B78	L	2000-5000									
116	B35	L	2000-5000				B53	L	2000-5000				B71	L	<2000	B78	L	2000-5000									
117	B35	E+L	2000-5000										B71	L	<2000	B78	L	<2000									
119	B35	L	2000-5000				B53	L	2000-5000				B71	L	<2000	B78	L	<2000									
120	B35	L	2000-5000				B53	L	<2000				B71	L	<2000	B78	L	<2000									
136	B35	L	2000-5000				B53	C+L	2000-5000				B71	L	<2000	B78	L	2000-5000									
139	B35	L	2000-5000				B53	L	<2000							B78	L	<2000									
142	B35	L	2000-5000				B53	L	<2000							B78	L	<2000									
143	B35	L	2000-5000				B53	L	2000-5000				B71	L	<2000	B78	L	2000-5000									
145	B35	L	2000-5000				B53	L	2000-5000				B71	L	<2000	B78	L	<2000									
147	B35	L	2000-5000				B53	L	2000-5000				B71	L	2000-5000	B78	L	2000-5000									
149	B35	L	2000-5000				B53	L	2000-5000							B78	L	<2000									
157	B35	L	2000-5000				B53	L	2000-5000				B71	L	<2000	B78	L	2000-5000									
159	B35	L	2000-5000				B53	L	2000-5000				B71	L	<2000	B78	L	2000-5000									
162	B35	L	2000-5000				B53	L	2000-5000				B71	L	<2000	B78	L	2000-5000									
163	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
164	B35	L	2000-5000				B53	L	2000-5000				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
165	B35	F+E+L	2000-5000				B53	F+E+L	<2000				B71	F+L	<2000	B78	F+L	<2000									
169	B35	L	<2000													B78	L	<2000									
181	B35	L	<2000				B53	L	<2000				B71	L	<2000	B78	L	<2000									
185	B35	L	<2000				B53	L	<2000							B78	L	<2000									
186	B35	L	2000-5000				B53	L	2000-5000							B78	L	2000-5000									
190	B35	L	2000-5000				B53	L	<2000				B71	L	<2000	B78	L	2000-5000									
193	B35	L	2000-5000				B53	L	<2000				B71	L	<2000	B78	L	<2000									
194	B35	L	2000-5000				B53	L	2000-5000				B71	L	<2000	B78	L	2000-5000									
195	B35	L	2000-5000				B53	L	<2000				B71	L	<2000	B78	L	<2000									
197	Not results received																										
204	B35	L	2000-5000				B53	L	<2000				B71	L	<2000	B78	L	<2000									
206	B35	L	2000-5000				B53	L	<2000				B71	L	<2000	B78	L	<2000									
209	B35	L	2000-5000				B53	L	<2000				B71	L	<2000	B78	L	<2000									
216	B35	L	<2000				B53	L	<2000																		
218																											
223																											
227	B35	L	>5000				B53	L	2000-5000				B71	L	2000-5000	B78	L	2000-5000									
229				B41	L	<2000							B53	L	<2000	B78	L	<2000									
232	B35	L	2000-5000				B53	L	<2000				B71	L	<2000	B78	L	<2000									
235	B35	L											B71	L													
238	B35	L	<2000				B53	L	<2000																		
243	B35	L	2000-5000				B53	L	<2000				B71	L	<2000	B78	L	<2000									
245	B35	L	2000-5000				B53	L	<2000				B71	L	<2000	B78	L	2000-5000									
262	B35	L	<2000				B53	L	<2000							B78	L	<2000									
267	B35	L					B53	L																			
268	B35	L	<2000																								
277	B35	L	2000-5000				B53	L	<2000				B71	L	<2000	B78	L	<2000									
284	B35	L	<2000				B53	L	<2000							B78	L	<2000									
292	Not results received																										
293	B35	L	<2000				B53	L	<2000				B71	L	<2000	B78	L	<2000									
297																											
303	B35	L	2000-5000				B53	L	<2000				B71	L	<2000	B78	L	<2000									
309	B35	L	<200																								

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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	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative
Lab no.																		
9 L	No treatment		LS1A04	450	11406	40												
11 L	No treatment		LS1A04	1000	7767	45												
12 L	EDTA	A*30:01	LS1A04	500	8275	34	LSM12	Ratio 5	12377	63								
14 L	No treatment		LS1A04	1500	11951	27	LSM12	3.1	11304	36								
15 L	EDTA	A*30:01	LS1A04	1000	7649	14												
19 L	EDTA	A*30:01	LS1A04	1000	18255	20												
20 C+L		A*30:01	LS1A04	500	11561	33												
23 L	No treatment		LS1A04	1000	13679	14.3												
24 L	EDTA	A*30:01	LSA1	1500/4/5	15434	160	LS1PRA	1000	12715	40	LSA1A04	1000	15979	20				
25 L	EDTA		LSA1	1500	16768	122	LS1A04	1000	13027	58								
26 L	No treatment		LS1A04	1000	11042	157	LSM12	4.4	12700	55								
28 L	No treatment	A*30:01	LSA1	ADJVAL3>4	15151	420	LS1A04	500	12627	37								
29 C+L	Adsorption beads		LM1	358	22036	86/139/177	LMX		21438	54/112/141	LSA1	503	16136	134/582/315				
34 L	No treatment	A*30:01	LS1A04	698	14366	53												
35 C+L	No treatment		LS1A04				LSM12											
38 L	EDTA		LS1A04	1000	9505	148												
39 L	EDTA	A*30:01	LS1A04	1000	12855	65												
41 L	No treatment	B*15:02	LS1A04	2000	15383	77												
42 C+L	EDTA		LS1A04	1000	12631	344	LSM12	Ratio 4.5	11246	49								
45 L	EDTA		LS1A04	1500	12000	30	LSM12											
48 L	Heat Inactivation	A*30:01																
51 L	EDTA		LS1A04	280	10949	86	LSM12	4.6	12248	59								
54 L	Adsorbed		LS1A04	750	13461	23	LSM12	350	13772	440								
58 L	No treatment		LMX		19045		LS1A04	1000	14119	35	LSM12	Ratio 2.5-3.0	15804	78				
62 L	No treatment		LS1A04	2000	15334	46.02												
100 L	No treatment		LM1	526	23167	146	LSA1	564	18407	329								
112 L	No treatment		LSA1	900	17092	201/997/1606												
114 C+L	No treatment		LS1A04	1000	13652	51												
116 C+L	No treatment	A*30:01	LS1A04	1000	15460	34	LSM12		12784	37								
117 E+L	No treatment		LS1A04	500	13510	33												
119 L	No treatment	A*30:01	LS1A04	1000	18430	35	LSM12	1.5	17936	46								
120 L	No treatment	A*30:01	LS1A04	500	13037	46												
136 C+L	No treatment	A*30:01	LS1A04	1000	16059	38												
139 C+L	No treatment		LS1A04	1000	14060	48												
142 L	EDTA		LS1A04	1000	13995	30												
143 L	No treatment		LS1A04	1000	13747	31												
145 L	No treatment		LS1A04	1000	14223	45	LSM12	1.5/1.2	12308	230								
147 C+L	No treatment	A*30:01, 30:02	LS1A04	1500	15691	54												
149 L			LSA1		10000	227-650												
157 L	No treatment	A*30:01	LS1A04	1000	17000	29												
159 C+L	No treatment	A*30:01	LS1A04	1500	11841	63												
162 C+L	No treatment		LS1A04	1000	16498	48	LSM12	3	14872	45								
163 NT																		
164 C+L	No treatment		LS1A04	2500	12390	36												
165 F+E+L	No treatment		LS1A04	880	12759	98												
169 L	No treatment		LS1A04	1000	7181	8												
181 L	No treatment		LS1A04	500	10975	25												
185 L			LM1		24733		LSA1		17575									
186 C+L	No treatment		LS1A04	1500	12505	46												
190 L	EDTA		LS1A04	1000	15512	159	LSM12	3	15222	39								
193 L	No treatment		LS1A04	1000	12408	26												
194 C+L	DTT		LS1A04	1000	17209	123												
195 L	No treatment		LS1A04	1000	8831	26												
197	No results received																	
204 L	EDTA		LS1A04	1000	10932	28												
206 L	EDTA		LS1A04	1000	12838	43												
209 C+L	No treatment		LS1A04	500	15118	95												
216 L			LS1PRA	607	11511	111												
218 L	Heat Inactivation		LM1		19884		LSA1		19884									
223 C																		
227 L	Dilution		LM1	1000	23441	285	LS1A04	1000	14915	41								
229 L	No treatment	B*78:01, 38:01, 53:01, 41:01	LSA1		13552													
232 L	No treatment		LS1A04		9596	21												
235 L			LS1PRA	1000	11420	25												
238 L	No treatment		LM1				LSA1		18055	303/1341/1813								
243 L	No treatment		LS1A04	1000	13673	31												
245 L	No treatment	A*30:01	LS1A04	+1000; -500	15000	40												
262 L	No treatment		LSA1	ADBCR >5	16550	474												
267 L	No treatment		LM1	1000	21512	<198	LSMUTR	1.5/1.2	12180	28								
268 C+L	No treatment		LM1	1000	24643	92/142/128	LSA1	16440	226/1021/1809									
277 L	No treatment		LS1A04	500	11170	21												
284 C+L	EDTA		LS1A04	1000	12818	34	LSM12	3	14751	103								
292	No results received																	
293 L	No treatment		LS1A04	712	11031	21												
297 L	LSA Abs Bead		LSA1	ADBCR >5	16126	412												
303 L	EDTA		LS1A04	1000	12027	62												
309 L	No treatment		LM1	500	18000	100	LSA1	500	18500	200								
311 L			LS1A04	1500	10296	39												

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

UK NEQAS FOR H&I SCHEME 3 - HLA ANTIBODY IDENTIFICATION

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 310/2014

DESPATCHED ON 17TH JUNE 2014

HLA specificity for assessment		B53			B59			B67			B71			B72			B78			B81			B82			Cw1			Cw4			Cw8			Cw15		
Consensus % reported	Not Assessed 64.0%	spec		MFI	spec		MFI	spec		MFI	spec		MFI	spec		MFI	spec		MFI	spec		MFI	spec		MFI	spec		MFI	spec		MFI	spec		MFI			
9	B53	L	< 2000		B59	L	2000-5000	B67	L	> 5000	B71	L	< 2000	B72	L	< 2000	B78	L	< 2000				B82	L	< 2000												
11					B59	L	2000-5000	B67	L	> 5000																											
12	B53	L	< 2000		B59	L	> 5000	B67	L	> 5000	B71	L	< 2000	B72	L	2000-5000	B78	L	< 2000	B81	L	< 2000	B82	L	< 2000	Cw1	L	< 2000			Cw8	L	< 2000	Cw15	L	< 2000	
14					B59	L	2000-5000	B67	L	> 5000																											
15	B53	L	< 2000		B59	L	> 5000	B67	L	> 5000	B71	L	< 2000	B72	L	2000-5000	B78	L	< 2000																		
19	B53	L	2000-5000		B59	L	> 5000	B67	L	> 5000	B71	L	< 2000	B72	L	2000-5000	B78	L	2000-5000				B82	L	< 2000												
20	B53	L	< 2000		B59	L	> 5000	B67	L	> 5000	B71	L	< 2000	B72	L	< 2000	B78	L	< 2000				B82	L	< 2000												
23	B53	L	< 2000		B59	L	2000-5000	B67	L	> 5000																											
24	B53	L	< 2000		B59	L	2000-5000	B67	L	> 5000	B71	L	< 2000	B72	L	< 2000	B78	L	< 2000																		
25					B59	L	2000-5000	B67	L	> 5000																											
26					B59	L	2000-5000	B67	L	> 5000																											
28	B53	L	< 2000		B59	L	> 5000	B67	L	< 2000	B71	L	< 2000	B72	L	< 2000	B78	L	< 2000				B82	L	< 2000												
29					B59	L	2000-5000	B67	L	> 5000	B71	L	< 2000	B72	L	< 2000	B78	L	< 2000																		
34	B53	L	< 2000		B59	L	2000-5000	B67	L	> 5000	B71	L	< 2000	B72	L	< 2000	B78	L	< 2000																		
35	B53	L	< 2000		B59	L	2000-5000	B67	L	> 5000	B71	L	< 2000	B72	L	< 2000	B78	L	< 2000				B82	L	< 2000												
38					B59	L	2000-5000	B67	L	> 5000																											
39	B53	L	< 2000		B59	L	2000-5000	B67	L	> 5000																											
41	B53	L	2000-5000		B59	L	> 5000	B67	L	> 5000																											
42	B53	L	< 2000		B59	L	2000-5000	B67	L	> 5000	B71	L	< 2000	B72	L	< 2000	B78	L	< 2000				B82	L	< 2000												
45					B59	L	2000-5000	B67	L	> 5000																											
48	B53	L	2000-5000		B59	L	> 5000	B67	L	> 5000	B71	L	2000-5000	B72	L	2000-5000	B78	L	2000-5000				B82	L	< 2000												
51					B59	L	2000-5000	B67	L	> 5000																											
54	B53	L	< 2000		B59	L	2000-5000	B67	L	> 5000	B71	L	< 2000	B72	L	< 2000	B78	L	< 2000				B82	L	< 2000												
58	B53	L	< 2000		B59	L	2000-5000	B67	L	> 5000	B71	L	< 2000	B72	L	< 2000	B78	L	< 2000																		
62	B53	L	2000-5000		B59	L	> 5000	B67	L	> 5000	B71	L	2000-5000	B72	L	2000-5000	B78	L	2000-5000				B82	L	2000-5000												
100	B53	L	< 2000		B59	L	< 2000	B67	L	> 5000	B71	L	< 2000	B72	L	< 2000	B78	L	< 2000				B82	L	< 2000												
112					B59	L	> 5000	B67	L	> 5000																											
114	B53	L	2000-5000		B59	L	> 5000	B67	L	> 5000	B71	L	< 2000	B72	L	2000-5000	B78	L	2000-5000				B82	L	< 2000												
116	B53	L	< 2000		B59	L	2000-5000	B67	L	> 5000																											
117	B53	L	< 2000		B59	E+L	2000-5000	B67	E+L	> 5000	B71	E+L	< 2000	B72	E+L	< 2000	B78	E+L	< 2000				B82	L	< 2000												
119	B53	L	< 2000		B59	L	2000-5000	B67	L	> 5000																											
120	B53	L	< 2000		B59	L	2000-5000	B67	L	> 5000	B71	L	< 2000	B72	L	< 2000	B78	L	< 2000				B82	L	< 2000												
136	B53	L	< 2000		B59	L	> 5000	B67	L	> 5000	B71	L	< 2000	B72	L	< 2000	B78	L	< 2000																		
139	B53	L	< 2000		B59	L	2000-5000	B67	L	> 5000																											
142	B53	L	< 2000		B59	L	2000-5000	B67	L	> 5000																											
143	B53	L	< 2000		B59	L	2000-5000	B67	L	> 5000																											
145					B59	L	2000-5000	B67	L	> 5000																											
147	B53	L	< 2000		B59	L	> 5000	B67	L	> 5000																											
149					B59	L	< 2000	B67	L	< 2000	B71	L	< 2000	B72	L	2000-5000	B78	L	2000-5000																		
157	B53	L	< 2000		B59	L	2000-5000	B67	L	> 5000																											
159	B53	L	< 2000		B59	L	2000-5000	B67	L	> 5000																											
162	B53	L	< 2000		B59	L	> 5000	B67	L	> 5000	B71	L	< 2000	B72	L	2000-5000	B78	L	< 2000				B82	L	< 2000												
163	NT	NT	NT		B59	L	> 5000	B67	L	> 5000	B71	L	< 2000	B72	L	2000-5000	B78	L	< 2000	NT	NT	NT	B82	L	< 2000	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
164					B59	L	> 5000	B67	L	> 5000																											
165	B53	F			B59	F+L	2000-5000	B67	F+L	> 5000	B71	F+L		B72	F+L		B78	F+L					B82	F+L													
169	B53	L	2000-5000		B59	L	> 5000	B67	L	> 5000	B71	L	< 2000	B72	L	2000-5000	B78	L	2000-5000				B82	L	< 2000												
181	B53	L	< 2000		B59	L	2000-5000	B67	L	> 5000	B71	L	< 2000	B72	L	< 2000	B78	L	< 2000				B82	L	< 2000												
185	B53	L	< 2000																																		
186																																					
190	B53	L	< 2000		B59	L	2000-5000	B67	L	> 5000	B71	L	< 2000	B72	L	< 2000	B78	L	< 2000																		
193	B53	L	< 2000		B59	L	2000-5000	B67	L	> 5000																											
194					B59	L	2000-5000	B67	L	> 5000	B71	L	< 2000	B72	L	< 2000	B78	L	< 2000																		
195	B53	L	< 2000		B59	L	2000-5000	B67	L	> 5000	B71	L	< 2000	B72	L	< 2000	B78	L	< 2000																		
197	Not results received																																				
204	B53	L	< 2000																																		

UK NEQAS FOR H&I SCHEME 3 - HLA ANTIBODY IDENTIFICATION

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 306/2014

DESPATCHED ON 17TH JUNE 2014

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	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative
Lab no.																		
9 L	No treatment	A*02:03, B*27:05	LS1A04	500	11515	61												
11 L	No treatment		LS1A04	1000	8390	139												
12 L	EDTA		LS1A04	500	15329	124	LSM12	Ratio 5	15608	109								
14 L	No treatment	B*27:05	LS1A04	1500	12117	47	LSM12	3.1	12170	111								
15 L	EDTA	A*02:03, B*15:02	LS1A04	1000	15783	90.21												
19 L	EDTA	B*27:05	LS1A04	1000	18665	58												
20 C+L		A*02:03	LS1A04	500	12535	65												
23 L	No treatment	B*27:05, 44:03	LS1A04	1000	17643	15.17												
24 L	EDTA	B*15:02	LSA1	1500/4/5	16661	307	LS1PRA	1000	118911	269	LS1A04	1000	16197	40				
25 L	EDTA		LSA1	1500	16620	264	LS1A04	1000	13941	50								
26 L	No treatment	B*27:05	LS1A04	1300	12854	54	LSM12	4.4	14658	80								
28 L	No treatment		LSA1	ADJVAL3>4	15008	539	LS1A04	500	13542	58								
29 C+L	Adsorption beads		LM1	1563	20491	23/398/282	LMX		19514	106/146/315	LSA1	410	15745	121/146/46				
34 L	No treatment	A*02:03	LS1A04	671	7437	34												
35 C+L	No treatment		LS1A04				LSM12											
38 L	EDTA		LS1A04	1000	9760	328												
39 L	EDTA	A*24:03, B*27:05	LS1A04	1000	12766	438												
41 L	No treatment	B*27:05, 13:02, 15:02	LS1A04	2000	16939	85												
42 C+L	EDTA	B*27:05	LS1A04	1500	13556	204	LSM12	Ratio 4.5	13284	98								
45 L	EDTA		LS1A04	1500	15000	40	LSM12											
48 L	Heat Inactivation	A*02:03, B*27:05																
51 L	EDTA		LS1A04	1100	11509	44	LSM12	4.6	11775	56								
54 L	No treatment	A*02:03, 24:03	LS1A04	750	13662	105	LSM12	350	13840	42								
58 L	No treatment		LMX		18083		LS1A04	1000	14362	49	LSM12	Ratio 2.5-3.0	15860	39				
62 L	No treatment	A*02:03	LS1A04	2000	15986	47.88												
100 L	No treatment		LM1	1532	20809	60	LSA1	589	17645	314								
112 L	Adsorption beads	B*27:05	LSA1	500	16987	241/242/68												
114 C+L	No treatment	A*02:03	LS1A04	1000	13021	102												
116 C+L	No treatment	B*15:02	LS1A04	1000	14686	63	LSM12		12932	33								
117 E+L	No treatment	B*27:05	LS1A04	500	13560	34												
119 L	No treatment	B*15:02	LS1A04	1000	15541	36	LSM12	1.5	14763	145								
120 L	No treatment	A*02:03, B*27:05, 15:02	LS1A04	500	13506	35												
136 C+L	No treatment	A*02:03, 24:03, B*27:05, 15:02	LS1A04	1000	16870	34												
139 C+L	No treatment	A*24:03, B*27:05	LS1A04	1000	14721	37	LSM12	4	15518	41								
142 L	EDTA		LS1A04	1000	14188	38												
143 L	No treatment	A*02:03, B*27:05, 15:02	LS1A04	1000	14529	24												
145 L	No treatment		LS1A04	1000	9674	55	LSM12	1.5/1.2	12308	230								
147 C+L	No treatment	A*02:03, 02:01, 02:06, 24:03, 24:02, B*15:02, 15:11, 27:05, 27:08	LS1A04	1500	16741	96												
149 L			LSA1	227-650														
157 L	No treatment	B*27:05, 15:02	LS1A04	1000	14700	32												
159 C+L	No treatment	B*27:05	LS1A04	1500	15830	50												
162 C+L	No treatment	B*15:02	LS1A04	1000	16760	60	LSM12	3	16080	31								
163 NT																		
164 C+L	No treatment	B*27:05	LS1A04	2500	12600	71												
165 F+E+L	No treatment		LS1A04	1000	13004	163												
169 L	No treatment	B*27:05	LS1A04	1000	22723	28												
181 L	No treatment		LS1A04	500	11409	45												
185 L			LM1		23859		LSA1		18489									
186 C+L	Adsorption beads		LSA1	1000	16022													
190 L	EDTA		LS1A04	1000	14717	107	LSM12	3	15438	42								
193 L	No treatment		LS1A04	1000	12716	29												
194 C+L	DTT		LS1A04	1000	17209	123												
195 L	No treatment		LS1A04	1000	12005	33												
197	No results received																	
204 L	EDTA	B*27:05, 15:02	LS1A04	1000	11871	58												
206 L	EDTA	B*27:05	LS1A04	1000	13536	54												
209 C+L	No treatment		LS1A04	500	15033	43												
216 L			LS1PRA	2078	11612	131												
218 L	No treatment	A*25:01, 26:01, 34:02, 66:01, 66:02, 11:02, 29:02, 30:01, 32:01, 33:01, 33:03, 43:01, 68:01, 74:01, B*18:01, 37:01, 42:01, 08:01, 27:05	LM1		19284		LSA1		15516									
223 C																		
227 L	Dilution		LM1	1000	22530	356	LS1A04	1000	15707	37								
229 L	No treatment	A*25:01, 26:01, 34:02, 33:03, 34:02, 43:01, 66:01, 66:02, 68:01, B*07:03, 08:01, 13:02, 15:01, 15:12, 15:18, 18:01, 27:03, 27:05, 35:01, 37:01, 38:01, 39:01, 40:02, 41:01, 42:01, 44:02, 46:01, 51:01, 53:01, 54:01, 55:01, 57:01, 58:01, 78:01, 81:01, 82:02	LSA1		13037													
232 L	No treatment		LS1A04		9507	40												
235 L			LS1PRA	1000	10987	54												
238 L	Adsorb		LM1				LSA1		16633	261/545/242								
243 L	No treatment	A*02:03, 24:03, B*27:05, 13:02, 15:02/75	LS1A04	1000	14400	53												
245 L	No treatment	A*02:03, 24:03, B*27:05	LS1A04	+1000; -500	15046	72												
262 L	No treatment		LSA1	ADBCR >5	16430	302												
267 L	No treatment		LM1	1000	21419	<481	LSMUTR	1.5/1.2	13116	30								
268 C+L	No treatment		LM1	1000	21279	67/453/310	LSA1	1500	16530	283/1825/2219								
277 L	No treatment	A*02:03, 24:03, B*27:05, 13:02, 15:02	LS1A04	500	11223	38												
284 C+L	EDTA	B*27:05	LS1A04	1000	13171	52	LSM12	3	13703	79								
292	No results received																	
293 L	No treatment		LS1A04	2387	11192	26												
297 L	LSA Abs Bead	B*35:01	LSA1	ADBCR >5	16725	191												
303 L	EDTA	B*27:05, 13:02	LS1A04	1000	13240	91												
309 L	No treatment	B*44:03	LM1	500	21000	260	LSA1	500	17300	250								
311 L	EDTA	A*24:03, 02:03, B*15:02	LS1A04	1500	12218	61												

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