

**UK NEQAS FOR HAI SCHEME 3 - HLA ANTIBODY IDENTIFICATION**

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 301/2014

DESPATCHED ON 11TH FEBRUARY 2014

HLA specificity for assessment		A1			A2			A23			A24			A2403			A25			A26			A34			A66			A11			A29			A30			A31			A32			A33		
Consensus % reported		Not Assessed 5.2%			Absent 4.1%			Not Assessed 20.5%			Not Assessed 43.8%			Not Assessed 56.2%			Present 98.6%			Present 100.0%			Present 95.9%			Present 98.6%			Present 98.6%			Present 87.7%			Present 83.6%			Present 82.2%			Absent 1.4%			Present 89.0%		
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	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI				
9	A1	L	< 2000				A24	L	2000-5000	A2403	L	2000-5000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	> 5000	A29	L	> 5000	A30	L	> 5000	A31	L	2000-5000	A33	L	> 5000							
11	A1	L	< 2000							A2403	L	< 2000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	> 5000	A29	L	2000-5000	A30	L	2000-5000	A31	L	2000-5000	A33	L	2000-5000							
12	A1	L	< 2000				A23	L	< 2000	A2403	L	2000-5000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	> 5000	A29	L	2000-5000	A30	L	2000-5000	A31	L	2000-5000	A33	L	2000-5000	A33	L	2000-5000				
14										A24	L	< 2000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	> 5000	A29	L	2000-5000	A30	L	> 5000	A31	L	2000-5000	A33	L	> 5000							
15							A23	L	< 2000	A24	L	< 2000,2000-5000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	2000-5000	A29	L	2000-5000	A30	L	< 2000	A31	L	< 2000	A33	L	2000-5000							
19										A2403	L	< 2000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	2000-5000	A29	L	< 2000	A30	L	2000-5000	A31	L	< 2000	A33	L	2000-5000							
20										A24	L	< 2000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	> 5000	A29	L	2000-5000	A30	L	2000-5000	A31	L	2000-5000	A33	L	2000-5000							
23										A2403	L	< 2000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	> 5000	A29	L	> 5000	A30	L	2000-5000	A31	L	2000-5000	A33	L	2000-5000							
24										A2403	L	< 2000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	> 5000	A29	L	2000-5000	A30	L	2000-5000	A31	L	2000-5000	A33	L	2000-5000							
25							A23	L	2000-5000	A24	L	2000-5000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	> 5000	A29	L	2000-5000	A30	L	2000-5000	A31	L	2000-5000	A33	L	2000-5000							
26	A1	L	< 2000							A2403	L	< 2000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	2000-5000	A29	L	< 2000	A30	L	< 2000	A31	L	< 2000	A33	L	2000-5000							
28	A1	L	< 2000				A23	L	< 2000	A24	L	2000-5000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	> 5000	A29	L	2000-5000	A30	L	2000-5000	A31	L	2000-5000	A33	L	> 5000							
29										A2403	L	< 2000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	2000-5000	A29	L	< 2000	A30	L	< 2000	A31	L	< 2000	A33	L	< 2000							
34										A2403	L	< 2000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	2000-5000	A29	L	< 2000	A30	L	< 2000,2000-5000	A31	L	< 2000	A33	L	< 2000,2000-5000							
35										A2403	L	< 2000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	> 5000	A29	L	> 5000	A30	L	> 5000	A31	L	> 5000	A33	L	> 5000							
36										A2403	L	< 2000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	> 5000	A29	L	2000-5000	A30	L	2000-5000	A31	L	2000-5000	A33	L	> 5000							
39										A2403	L	< 2000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	> 5000	A29	L	> 5000	A30	L	> 5000	A31	L	> 5000	A33	L	> 5000							
41										A2403	L	< 2000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	> 5000	A29	L	2000-5000	A30	L	> 5000	A31	L	2000-5000	A33	L	> 5000							
42										A2403	L	< 2000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	2000-5000	A29	L	2000-5000	A30	L	> 5000	A31	L	< 2000	A33	L	2000-5000							
45										A2403	L	< 2000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	> 5000	A29	L	> 5000	A30	L	> 5000	A31	L	> 5000	A33	L	> 5000							
46							A23	L		A24	L		A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	> 5000	A29	L	> 5000	A30	L	2000-5000	A31	L	2000-5000	A33	L	2000-5000							
51										A2403	L	2000-5000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	2000-5000	A29	L	< 2000	A30	L	2000-5000	A31	L	< 2000	A33	L	< 2000							
54										A2403	L	< 2000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	> 5000	A29	L	2000-5000	A30	L	> 5000	A31	L	2000-5000	A33	L	> 5000							
58							A24	L	< 2000	A2403	L	< 2000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	> 5000	A29	L	2000-5000	A30	L	2000-5000	A31	L	2000-5000	A33	L	2000-5000							
62										A2403	L	< 2000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	> 5000	A29	L	> 5000	A30	L	> 5000	A31	L	2000-5000	A33	L	2000-5000							
112							A23	L	2000-5000	A24	L	2000-5000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	2000-5000	A29	L	< 2000	A30	L	< 2000	A31	L	< 2000	A33	L	< 2000							
114										A2403	L	2000-5000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	> 5000	A29	L	> 5000	A30	L	> 5000	A31	L	> 5000	A33	L	> 5000							
116										A2403	L	< 2000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	> 5000	A29	L	2000-5000	A30	L	2000-5000	A31	L	2000-5000	A33	L	> 5000							
117							A24	L		A2403	L	< 2000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	> 5000	A29	L	2000-5000	A30	L	2000-5000	A31	L	2000-5000	A33	L	> 5000							
119										A2403	L	< 2000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	> 5000	A29	L	> 5000	A30	L	2000-5000	A31	L	2000-5000	A33	L	2000-5000							
120							A23	L	< 2000	A24	L	< 2000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	> 5000	A29	L	2000-5000	A30	L	2000-5000	A31	L	2000-5000	A33	L	> 5000							
136										A2403	L	< 2000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	> 5000	A29	L	2000-5000	A30	L	2000-5000	A31	L	2000-5000	A33	L	2000-5000							
139										A2403	L	< 2000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	> 5000	A29	L	2000-5000	A30	L	2000-5000	A31	L	2000-5000	A33	L	2000-5000							





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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 301/2014

DESPATCHED ON 11TH FEBRUARY 2014

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
IgG	IgG	IgG	IgG	IgG			IgG	IgG			IgG	IgG		
9 L	No treatment	A*24:03	LS1A04	500	13200	78								
11 L			LS1A04	1000	11314	23	LSM12	2.5 Ratio	9940	55.48				
12 L	EDTA	B*15:02	LS1A04	500	14673	73	LSM12	Ratio 5	10499	309				
14 L	No treatment		LS1A04	1500	15173	38								
15 L	EDTA		LS1A04	1000	14655	16								
19 L	No treatment	A*30:02, B*13:02	LS1A04	1000	13441	93								
20 C+L	No treatment	B*57:03	LS1A04	500	15008	30								
23 L	No treatment		LS1A04	1000	15743	47.92								
24 L	EDTA		LSA1	1500/4/5	16905	160	LS1PRA	1000	11655	89	LS1A04	1000	14943	50
25 L	EDTA		LSA1	1500	16729	186	LS1A04	1000	14786	30				
26 L	No treatment		LS1A04	1000	11882	33	LSM12	4.2	15830	159				
28 L		B*15:02, B*57:03	LS1A04	500	12700	56								
29 C+L	No treatment	A*02:05	LM1	358	16004	62/63/86	LSA1	531	16600	172/587/508	LMX		15429	49/65/87
34 L	No treatment		LS1A04	500	12812	42								
35 C+L	No treatment													
38 L	EDTA		LS1A04	1000	11533	100	LSM12		11478	87				
39 L	No treatment		LS1A04	1000	11941	74								
41 L	No treatment		LS1A04	2000	13007	159								
42 C+L	EDTA		LS1A04		8859	142	LSM12		5890	99				
45 L	EDTA		LS1A04	1500	15301	50								
48 L	Heat inactivation													
51 L	EDTA		LS1A04	1000	11832	20	LSM12	2.6	9908	47				
54 L	No treatment		LS1A04	1000	14330	57	LSM12	350	11774	84				
58 L	No treatment		LMX		15389		LS1A04	1000	12775	27	LSM12	Ratio 2.5-3	14499	71
62 L	No treatment		LS1A04	2000	16157	46								
112 L	No treatment	B*35:01	LSA1	1000	19078	294/891/562								
114 C+L	No treatment	A*24:03	LS1A04	1000	13760	69								
116 C+L	No treatment		LS1A04	1000	15395	37	LSM12		12040	116				
117 E+L	No treatment	A*24:03, B*57:03	LS1A04	500	12505	24								
119 L			LS1A04	1000	16490	29	LSM12	1.5	10902	67				
120 L	No treatment	A*24:03, B*57:03, 15:02	LS1A04	500	13804	84								
136 C+L	No treatment	A*24:03	LS1A04	1000	16081	30								
139 C+L	No treatment		LS1A04	1000	15718	30	LSM12	4	15825	47				
142 L	EDTA		LS1A04	1000	13828	43								
145 L	No treatment		LS1A04	1000	12860	47	LSM12	1.5/1.2	12612	58				
147 C+L	No treatment	A*24:03	LS1A04	1500	12370	90.74	LSM12	>5	9628	141.04				
149 L			LSA1		10000	227-650								
157 L	No treatment		LS1A04	1000	15000	500								
159 C+L	Absorb out		LS1A04	1500	15808	31								
162 C+L	No treatment		LS1A04	1000	13436	97.83	LSM12	3	13215	77.2				
164 C+L			LS1PRA	2000	17468	79	LS1A04	2000	22550	109				
165 C+F+E+L	No treatment		LS1A04	900	12725	45								
169 L	No treatment	A*30:02	LS1A04	1000	4668	9								
181 L	No treatment		LS1A04	500	11899	26.7								
185 C+L			LM1		22864	146	LSA1		16824	314				
186 L			LSA1		18599	178	LS1A04		10278	31				
190 L	EDTA		LS1A04	1000	17421	53.85	LSM12	3	16009	26.22				
193 L	No treatment		LS1A04	2000	16122	24								
194 C+L	DTT		LS1A04	500	17649	105								
195 L	No treatment		LS1A04	1000	>500	<1500								
197 L	No treatment													
204 L	EDTA		LS1A04	1000	14611	40								
206 L	EDTA		LS1A04	1000	12234	39								
209			LS1PRA	500	16284	124	LS1A04	500	16057	51				
216 L			LS1PRA	3564	8689	259								
218 L	Dilution, Heat inactivation	A*11:01, 11:02, 25:01, 26:01, 66:01, 66:02, 34:02	LM1		19993		LSA1		15043					
223 C	No treatment													
227 C+L	Dilution, DTT for CDC		LM1	1000	21103	114	LS1A04	3000	11929	52	LSM12	3.8	11320	54
229 L	No treatment	A*24:02, 23:01, 66:01, 66:02, 11:01, 11:02	LSA1		15709									
232 L	No treatment		LS1A04	379	11309	30								
235 L			LS1PRA	1000	10695	100								
238 L	No treatment		LM1		20750	131/318/163	LSA1		17007	120/414/438				
243 L	No Treatment	A*24:03; B*15:02, 40:06	LS1A04	1000	21851	41								
245 L	No Treatment	A*24:03	LS1A04	+	>1000, <-500	12434								
262 L	No Treatment	A*02:05	LSA1		ADBCR >5	17106								
267 L	No Treatment	A*02:05, 23:01, 24:02, 25:01, 26:01, 29:02, 30:01, 33:03, 34:02, 43:01; B*15:01, 48:01, 53:01; C*02:02, 12:02	LM1	3	21272	222/225/104	LSA1	2+weak	16069	289/534/505	LABScreen Multi	Pos 1.5 Neg 1.2	11877	87
268 C+L			LM1	1000	17783	86/87/113	LSA1	1500	17073	225/433/400				
271 L	No Treatment		LS1A04	2000	15516	40								
277 L	No Treatment	A*24:03	LS1A04	500	10222	31								
284 C+L	EDTA		LS1A04	1000	14354	39	LSM12	3	10575	47				
293 L	No Treatment		LS1PRA	1000	8897	63								
297 L	No Treatment	B*35:01	LSA1		ADBCR >5	14361								
303 L	EDTA		LS1A04	1000	9188	84								

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

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Table with columns for 'HLA specificity for assessment', 'Consensus % reported', 'A1 Present 78.1%', 'A3 Present 75.3%', 'A23 Not Assessed 9.6%', 'A24 Not Assessed 67.1%', 'A2403 Not Assessed 49.3%', 'A25 Not Assessed 61.6%', 'A26 Not Assessed 42.5%', 'A34 Not Assessed 47.9%', 'A66 Not Assessed 60.3%', 'A11 Present 97.3%', 'A29 Not Assessed 41.1%', 'A30 Not Assessed 30.1%', 'A31 Not Assessed 23.3%', 'A32 Not Assessed 50.7%', 'A33 Not Assessed 32.9%'. Each row represents a specimen with various HLA alleles and their associated MFI values.

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

Summary table with columns for 'Number' and 'Total number' for each HLA class (A1, A23, A24, A2403, A25, A26, A34, A66, A11, A29, A30, A31, A32, A33) and their respective MFI ranges (<2000, >5000).



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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
IgG	IgG	IgG	IgG	IgG			IgG	IgG			IgG	IgG		
9 L	No treatment		LS1A04	500	15500	57								
11 L			LS1A04	1000	12554	32								
12 L	EDTA	B*51:01	LS1A04	500	15438	51	LSM12	2.5 Ratio	11924	462				
14 L	No treatment		LS1A04	1500	12952	34		Ratio 5	14403	88				
15 L	EDTA	A*34:02	LS1A04	1000	21651	36								
19 L	No treatment		LS1A04	1000	20559	27								
20 C+L	No treatment	B*51:03	LS1A04	500	16762	44								
23 L	No treatment		LS1A04	1000	17389	49.36								
24 L	EDTA	A*66:01	LSA1	1500/4/5	16731	165	LS1PRA	1000	15169	60	LS1A04	1000	16726	27
25 L	EDTA		LSA1	1500	17599	228	LS1A04	1000	19028	40				
26 L	No treatment		LS1A04	1000	15303	64	LSM12	4.2	17460	67				
28 L			LS1A04	500	16723	87								
29 C+L	No treatment		LM1	748	21719	141/235/249	LSA1	492	16758	135/240/176	LMX		16699	88/51/85
34 L	No treatment		LS1A04	554	15313	33								
35 C+L	No treatment													
38 L	EDTA		LS1A04	1000	16721	46	LSM12		17695	35				
39 L	No treatment		LS1A04	900	10430	65								
41 L	No treatment		LS1A04	2000	16747	180								
42 C+L	EDTA		LS1A04		11964	51	LSM12		10862	41				
45 L	EDTA		LS1A04	1500	18246	40								
48 L	Heat inactivation													
51 L	EDTA		LS1A04	1300	14277	28	LSM12	2.6	10308	33				
54 L	No treatment		LS1A04	575	17158	21	LSM12	350	14835	18				
58 L	No treatment		LMX		16796		LS1A04	1000	1481	34	LSM12	Ratio 2.5-3	18813	39
62 L	No treatment		LS1A04	2000	18811	29.9								
112 L	No treatment		LSA1	500	18492	248/305/285								
114 C+L	No treatment	A*34:02	LSA1	1000	16400	42								
116 C+L	No treatment	A*66:01	LS1A04	1000	18511	25	LSM12		14784	40				
117 E+L	No treatment	A*34:02	LS1A04	500	16750	17								
119 L		A*34:02, 33:01	LS1A04	1000	21257	30	LSM12	1.5	20911	34				
120 L	No treatment	B*51:02	LS1A04	500	17006	46								
136 C+L	No treatment	A*66:01	LS1A04	1000	19630	28								
139 C+L	No treatment		LS1A04	1000	18176	34	LSM12	4	18047	37				
142 L	EDTA		LS1A04	1000	16314	33								
145 L	No treatment	A*34:02, 66:01	LS1A04	1000	15518	33	LSM12	1.5/1.2	15716	37				
147 C+L	No treatment	A*66:01 (MFI 1718), 66:02 (1301)	LS1A04	1500	15238	46.22	LSM12	>5	11528	40.86				
149 L			LSA1		10000	227-650								
157 L	No treatment		LS1A04	1000	19200	46								
159 C+L	No treatment		LS1A04	1500	9462	25								
162 C+L	No treatment	A*24:02 (2000-5000)	LS1A04	1000	19790	269	LSM12	3	19050	49.01				
164 C+L			LS1PRA	2000	22182	84	LS1A04	2000	25146	58				
165 C+F+E+L	No treatment		LS1A04	900	17878	28								
169 L	No treatment		LS1A04	1000	9893	7								
181 L	No treatment		LS1A04	500	15261	20								
185 C+L			LM1		23263	158	LSA1		16894	166				
186 L			LSA1		17372	184	LS1A04		12837	20				
190 L	EDTA		LS1A04	1000	12217	56.17	LSM12	3	18959	18.09				
193 L	No treatment		LS1A04	2000	18579	23								
194 C+L	DTT		LS1A04	500	20793	111								
195 L	No treatment		LS1A04	1000	>500	<1500								
197 L	No treatment													
204 L	EDTA	A*30:01, 33:01, 34:02	LS1A04	1000	18162	32								
206 L	EDTA		LS1A04	1000	15044	29								
209			LS1PRA	500	18962	64	LS1A04	500	13473	45				
216 L			LS1PRA	1067	12383	85								
218 L	Dilution, Heat inactivation	A*03:01, 11:01, 23:01, 24:02, 24:03, B*35:01, 35:08, 37:01, C*07:01	LM1		19611		LSA1		17681					
223 C	No treatment													
227 C+L	Dilution, DTT for CDC		LM1	1000	21508	59	LS1A04	1500	16149	37	LSM12	3.8	14959	37
229 L	No treatment	A*11:01	LSA1		16260									
232 L	No treatment		LS1A04	609	14700	24								
235 L			LS1PRA	1000	12983	44								
238 L	No treatment		LM1		20805	64/159/159	LSA1		16137	132/249/181				
243 L	No Treatment	A*33:01, 34:02, 66:01	LS1A04	1000	17858	24								
245 L	No Treatment		LS1A04	+	>1000, <=500	16117								
262 L	No Treatment		LSA1	ADBCR >5	16872	184								
267 L	No Treatment	A*24:02, 29:02; B*07:02, 18:01, 37:01, 42:01, 53:01, 82:02	LM1	3	22648	197/233/298	LSA1	2+weak	16027	246/432/439	LABScreen Multi	Pos 1.5 Neg 1.2	11877	87
268 C+L	DTT		LM1	1000	21150	89/167/153	LSA1	1500	17149	236/413/354				
271 L	No Treatment		LS1A04	2000	18670	36								
277 L	No Treatment	A*34:02; B*51:02	LS1A04	500	12549	22								
284 C+L	EDTA	A*66:01 (< 2000)	LS1A04	1000	17099	34	LSM12	3	12956	38				
293 L	No Treatment		LS1PRA	1000	12780	43								
297 L	No Treatment	A*11:01	LSA1		18133	277								
303 L	EDTA		LS1A04	1000	12084	48								

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

**UK NEQAS FOR HAI SCHEME 3 - HLA ANTIBODY IDENTIFICATION**

CLASS 1 HLA ANTIBODY SPECIFICITY ANALYSIS OF 303/2014

DESPATCHED ON 11TH FEBRUARY 2014

HLA specificity for assessment			A3			A23			A24			A2403			A25			A26			A34			A66			A11			A29			A30			A31			A32			A33			
Consensus % reported	Present spec	tech	100.0%	Present 86.3%	tech	100.0%	Present 97.3%	tech	100.0%	Not Assessed 60.3%	Present 76.7%	tech	100.0%	Not Assessed 39.7%	Present 86.3%	tech	100.0%	Not Assessed 13.6%	Present 80.8%	tech	100.0%	Not Assessed 19.2%	Present 98.6%	tech	100.0%	Not Assessed 1.4%	Present 79.5%	tech	100.0%	Not Assessed 20.5%	Present 87.7%	tech	100.0%	Not Assessed 12.3%	Present 83.6%	tech	100.0%	Not Assessed 16.4%	Present 87.7%	tech	100.0%	Not Assessed 12.3%			
Lab no.	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25	A26	A27	A28	A29	A30	A31	A32	A33	A34	A35	A36	A37	A38	A39	A40	A41	A42	A43	A44	A45
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11	A1	L	>5000	A3	L	>5000	A23	L	<2000	A24	L	>5000	A2403	L	>5000	A25	L	<2000	A26	L	<2000	A34	L	<2000	A66	L	2000-5000	A11	L	>5000	A29	L	2000-5000	A30	L	2000-5000	A31	L	>5000	A32	L	>5000	A33	L	<2000
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41	A1	L	>5000	A3	L	>5000	A23	L	2000-5000	A24	L	>5000	A2403	L	>5000	A25	L	2000-5000	A26	L	<2000	A34	L	<2000	A66	L	>5000	A11	L	>5000	A29	L	2000-5000	A30	L	>5000	A31	L	>5000	A32	L	>5000	A33	L	2000-5000
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112	A1	L	>5000	A3	L	>5000	A23	L	2000-5000	A24	L	>5000	A2403	L	>5000	A25	L	2000-5000	A26	L	<2000	A34	L	<2000	A66	L	2000-5000	A11	L	>5000	A29	L	2000-5000	A30	L	>5000	A31	L	2000-5000	A32	L	>5000	A33	L	<2000
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58	A1	L	>5000	A3	L	>5000	A23	L	2000-5000	A24	L	>5000	A2403	L	>5000	A25	L	<2000	A26	L	<2000	A34	L	<2000	A66	L	2000-5000	A11	L	>5000	A29	L	2000-5000	A30	L	>5000	A31	L	>5000	A32	L	>5000	A33	L	<2000
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114	A1	L	>5000	A3	L	>5000	A23	L	2000-5000	A24	L	>5000	A2403	L	>5000	A25	L	2000-5000	A26	L	<2000	A34	L	<2000	A66	L	2000-5000	A11	L	>5000	A29	L	2000-5000	A30	L	>5000	A31	L	>5000	A32	L	>5000	A3		



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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 303/2014

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HLA specificity for assessment																																													
Consensus % reported	A74 Present 90.4%			A36 Present 95.9%			A43 Not Assessed 31.5%			A80 Present 87.7%			B51 Absent 2.7%			B5102 Absent 4.1%			B52 Absent 1.4%			B7 Present 87.3%			B703 Not Assessed 8.2%			B8 Not Assessed 15.1%			B13 Present 86.3%			B62 Absent 1.4%			B63 Not Assessed 52.1%			B76 Absent 1.4%			B77 Absent 1.4%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI						
9	A74	L	> 5000	A36	L	> 5000	A43	L	< 2000	A80	L	> 5000	B51	L	< 2000	B5102	L	< 2000				B7	L	> 5000				B8	L	< 2000	B13	L	> 5000				B63	L	< 2000						
11	A74	L	> 5000	A36	L	> 5000				A80	L	> 5000										B7	L	> 5000							B13	L	> 5000												
12	A74	L	> 5000	A36	L	> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000			B8	L	< 2000	B13	L	> 5000				B63	L	< 2000							
14	A74	L	> 5000	A36	L	> 5000				A80	L	> 5000										B7	L	> 5000							B13	L	> 5000												
15	A74	L	> 5000	A36	L	> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000							B13	L	> 5000				B63	L	< 2000						
19	A74	L	2000-5000	A36	L	> 5000				A80	L	> 5000										B7	L	> 5000							B13	L	2000-5000,> 5000												
20	A74	L	> 5000	A36	L	> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000			B8	L	< 2000	B13	L	> 5000				B63	L	< 2000							
23	A74	L	> 5000	A36	L	> 5000				A80	L	> 5000										B7	L	> 5000							B13	L	> 5000												
24	A74	L	2000-5000	A36	L	> 5000				A80	L	> 5000										B7	L	> 5000							B13	L	> 5000												
25	A74	L	> 5000	A36	L	> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000							B13	L	> 5000				B63	L	< 2000						
26	A74	L	2000-5000	A36	L	> 5000				A80	L	> 5000										B7	L	> 5000							B13	L	> 5000												
28	A74	L	> 5000	A36	L	> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000			B8	L	< 2000	B13	L	> 5000				B63	L	< 2000							
29	A74	L	< 2000	A36	L	> 2000-5000				A80	L	2000-5000										B7	L	> 5000							B13	L	< 2000												
34	A74	L	2000-5000	A36	L	> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000			B703	L	2000-5000	B13	L	> 5000				B63	L	< 2000							
35	A74	L	> 5000	A36	L	> 5000				A80	L	> 5000										B7	L	> 5000							B13	L	> 5000				B63	L	< 2000						
38	A74	L	> 5000	A36	L	> 5000				A80	L	> 5000										B7	L	> 5000							B13	L	> 5000												
39	A74	L	> 5000	A36	L	> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000							B13	L	> 5000				B63	L	< 2000						
41	A74	L	> 5000	A36	L	> 5000				A80	L	> 5000										B7	L	> 5000							B13	L	> 5000				B63	L	2000-5000						
42	A74	L	2000-5000	A36	L	> 5000				A80	L	> 5000										B7	C+L	> 5000							B13	L	> 5000				B63	L	< 2000						
45	A74	L	> 5000	A36	L	> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000							B13	L	> 5000												
48	A74	L	> 5000	A36	L	> 5000	A43	L	2000-5000	A80	L	> 5000										B7	L	> 5000							B13	L	> 5000				B63	L	2000-5000						
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112	A74	L	< 2000	A36	L	> 2000-5000				A80	L	< 2000										B7	L	> 5000			B703	L	2000-5000	B13	L	> 5000													
114	A74	L	> 5000	A36	L	> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000			B703	L	< 2000	B13	L	> 5000				B63	L	< 2000							
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117	A74	L	> 5000	A36	E+L	> 5000	A43	L	< 2000	A80	L	> 5000										B7	E+L	> 5000							B13	E+L	> 5000				B63	L	< 2000						
119	A74	L	> 5000	A36	L	> 5000				A80	L	> 5000										B7	L	> 5000							B13	L	> 5000				B63	L	< 2000						
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139	A74	L	> 5000	A36	L	> 5000				A80	L	> 5000										B7	C+L	> 5000							B13	L	> 5000				B63	L	< 2000						
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147	A74	L	> 5000	A36	L	> 5000				A80	L	> 5000										B7	C+L	> 5000							B13	L	> 5000												
149	A74	L	< 2000	A36	L	2000-5000				A80	L	> 5000										B7	L	> 5000							B13	L	> 5000				B63	L	< 2000						
157	A74	L	> 5000	A36	L	> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000							B13	L	> 5000				B63	L	2000-5000						
159	A74	L	> 5000	A36	L	> 5000	A43	L	< 2000	A80	L	> 5000										B7	C+L	> 5000							B13	L	> 5000				B63	L	2000-5000						
162	A74	L	> 5000	A36	L	> 5000				A80	L	> 5000										B7	C+L	> 5000							B13	L	> 5000				B63	L	< 2000						
164	A74	L	> 5000	A36	L	> 5000				A80	L	> 5000										B7	L	> 5000							B13	L	> 5000												
165	A74	C+F+L	> 5000	A36	F+E+L	> 5000				A80	F+L	> 5000										B7	F+E+L	> 5000							B13	C+F+E+L	> 5000				B62	E	B63	C+F					
169	A74	L	2000-5000	A36	L	> 5000				A80	L	> 5000										B7	L	2000-5000							B13	L	> 5000												
181	A74	L	> 5000	A36	L	> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000							B13	L	> 5000				B63	L	< 2000						
185	A74	L	< 2000	A36	L	< 2000				A80	L	< 2000										B7	L	> 5000			B703	L	2000-5000	B13	L	< 2000													
186	A74	L	2000-5000	A36	L	> 5000				A80	L	> 5000										B7	L	> 5000							B13	L	> 5000												
190	A74	L	> 5000	A36	L	> 5000	A43	L	< 2000																																				





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CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 303/2014

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Techniques used IgG	Sample Treatment IgG	Allele Specific Antibodies		Luminex kit (lot)	Cut-off value	Control bead	Control bead	Luminex kit (lot)	Cut-off value	Control bead	Control bead	Luminex kit (lot)	Cut-off value	Control bead	Control bead
		IgG	IgG	IgG	IgG	MFI Positive	MFI Negative	IgG	IgG	MFI Positive	MFI Negative	IgG	IgG	MFI Positive	MFI Negative
Lab no.															
9 L	No treatment			LS1A04	400	12300	140								
11 L				LS1A04	1000	10678	36	LSM12	2.5 Ratio	9592	65.48				
12 L	EDTA			LS1A04	500	10887	81	LSM12	Ratio 5	9932	156				
14 L	No treatment			LS1A04	1500	15004	63								
15 L	EDTA			LS1A04	1000	18248	64								
19 L	No treatment	A*66:02		LS1A04	1000	13422	99								
20 C+L	No treatment	B*51:02		LS1A04	500	13226	78								
23 L	No treatment			LS1A04	1000	15712	48.05								
24 L	EDTA	A*66:02		LSA1	1500/4/5	17139	141	LS1PRA	1000	11889	91	LS1A04	1000	13302	58
25 L	EDTA			LSA1	1500	18082	308	LS1A04	1000	14245	72				
26 L	No treatment			LS1A04	1000	15124	74	LSM12	4.2	13920	182				
28 L				LS1A04	500	15691	83								
29 C+L	No treatment			LM1	669	16669	166/159/245	LSA1	1121	16936	187/181/596	LMX		15886	138/169/300
34 L	No treatment			LS1A04	440	13114	64								
35 C+L	No treatment														
38 L	EDTA			LS1A04	1000	11257	75	LSM12		10851	73				
39 L	No treatment			LS1A04	1300	11226	78								
41 L	No treatment	A*34:02, 66:02		LS1A04	2000	13800	69								
42 C+L	EDTA			LS1A04		9020	110	LSM12	5750	143					
45 L	EDTA			LS1A04	1500	13773	102								
48 L	Heat inactivaton														
51 L	EDTA			LS1A04	600	11827	26	LSM12	2.6	11404					
54 L	No treatment			LS1A04	750	13695	79	LSM12	350	11526	57				
58 L	No treatment			LMX		16820		LS1A04	1000	12511	51	LSM12	Ratio 2.5-3	15764	83
62 L	No treatment	A*66:02		LS1A04	2000	16500	68								
112 L	No treatment			LSA1	1000	18416	328/1722/1141								
114 L	No treatment			LS1A04	1000	15176	106								
116 C+L	No treatment	A*34:02, 66:02		LS1A04	1000	14484	41	LSM12		11378	76				
117 E+L	No treatment			LS1A04	500	12367	33								
119 L		A*34:02, 66:02		LS1A04	1000	16031	36	LSM12	1.5	15919	59				
120 L	No treatment			LS1A04	500	9493	38								
136 C+L	No treatment	A*34:02, 66:02		LS1A04	1000	15449	46								
139 C+L	No treatment	A*34:02		LS1A04	1000	16137	51	LSM12	4	16154	64				
142 L	EDTA			LS1A04	1000	13245	65								
145 L	No treatment	A*66:02		LS1A04	1000	12635	65	LSM12	1.5/1.2	11851	83				
147 C+L	No treatment	A*34:01 (MFI 1321), 34:02 (1700), 66:01 (1325), 66:02 (5172)		LS1A04	1500	11500	95.85	LSM12	>5	9557	75.03				
149 L				LSA1		10000	227-650								
157 L	No treatment			LS1A04	1000	16300	68								
159 C+L	No treatment			LS1A04	1500	10640	59								
162 C+L	No treatment	A*34:02, 66:02		LS1A04		14254	104.71	LSM12	3	14207	83.62				
164 C+L				LS1PRA	2000	16986	91	LS1A04	2000	22238	152				
165 C+F+E+L	No treatment			LS1PRA	1000	12404	87								
169 L	No treatment	A*66:02		LS1A04	1000	3268	8								
181 L	No treatment			LS1A04	500	10906	44.6								
185 C+L				LM1		22698	229	LSA1		16702	464				
186 L				LSA1		18198	130	LS1A04		10529	59				
190 L	EDTA			LS1A04	10000	17320	87.54	LSM12	3	16316	25.87				
193 L	No treatment			LS1A04	2000	15938	33								
194 C+L	DTT			LS1A04	500	20146	195								
195 L	No treatment			LS1A04	1000	>500	<1500								
197 L	No treatment														
204 L	EDTA	A*34:02		LS1A04	1000	13323	155								
206 L	EDTA	A*66:02		LS1A04	1000	11530	57								
209				LS1PRA	500	13944	81	LS1A04	500	15754	56				
216 L				LS1PRA	3163	8368	274								
218 L	Dilution, Heat inactivation	A*01:01, 03:01, 11:01, 11:02, 24:02, 24:03, 30:01, 36:01, 66:02, B*07:02, 27:05, 27:08, 42:01, 40:01/B60, 40:02/B61, 47:01, 55:01, 56:01, 73:01, 81:01, 82:01		LM1		19174		LSA1		15213					
223 C	No treatment														
227 C+L	Dilution, DTT for CDC			LM1	1000	21916	150	LS1A04	1000	11059	74	LSM12	3.8	11253	41
229 L	No treatment	A*11:01, 11:02, 24:02, B*27:05		LSA1		16678									
232 L	No treatment			LS1A04	225	11636	52								
235 L				LS1PRA	1000	10374	74								
238 L	No treatment			LM1		19642	72/211/221	LSA1		16883	147/820/588				
243 L	No Treatment			LS1A04	1000	20589	51								
245 L	No Treatment			LS1A04	++>1000, ~<500	11996.6	59.7								
262 L	No Treatment			LSA1	ADBCR >5	18286	183								
267 L	No Treatment	A*03:01, 23:01, 24:02, 29:02, 30:01, 36:01, 66:02, 74:01, 80:01; B*07:02, 42:01, 47:01, 54:01, 55:01, 56:01, 73:01, 81:01, 82:02		LM1	3	22168	53/134/82	LSA1	2+weak	16078	246/432/439	LABScreen Multi	Pos 1.5 Neg 1.2	11877	87
268 C+L	DTT			LM1	1000	21286	105/249/289	LSA1	1500	17144	216/962/611				
271 L	No Treatment			LS1A04	2000	14670	47								
277 L	No Treatment	A*34:02, 66:02		LS1A04	500	9642	42								
284 C+L	EDTA	A*66:02 (2000-5000), 34:02 (< 2000)		LS1A04	1000	14418	60	LSM12	3	10402	52				
293 L	No Treatment			LS1PRA	1000	10640	50								
297 L	No Treatment			LSA1		ADBCR >5	17407								
303 L	EDTA	A*34:02, 66:02		LS1A04	1000	7975	148								

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 304/2014

DESPATCHED ON 11TH FEBRUARY 2014

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
IgG	IgG	IgG	IgG	IgG			IgG	IgG			IgG	IgG		
9 L	No treatment		LS1A04	500	13060	98								
11 L			LS1A04	1000	11513	35	LSM12	2.5 Ratio	10259	73.74				
12 L	EDTA	B*15:02	LS1A04	500	10926	67	LSM12	Ratio 5	9296	112				
14 L	No treatment		LS1A04	1500	16328	62								
15 L	EDTA		LS1A04	1000	17038	44								
19 L	No treatment		LS1A04	1000	13592	65								
20 C+L	No treatment	B*51:02	LS1A04	500	15223	50								
23 L	No treatment		LS1A04	1000	15583	38.21								
24 L	EDTA		LSA1	1500/4/5	17164	164	LS1PRA	1000	12258	60	LS1A04	1000	13647	33
25 L	EDTA		LSA1	1500	16703	119	LS1A04	1000	14409	62				
26 L	No treatment		LS1A04	1468	11389	38	LSM12	4.2	13776	89				
28 L		B*15:02	LS1A04	500	13381	61								
29 C+L	No treatment		LM1	243	15058	56/54/82	LSA1	592	15993	108/476/321	LMX		15716	46/75/124
34 L	No treatment		LS1A04	500	13750	47								
35 C+L	No treatment													
38 L	EDTA		LS1A04	1000	13673	67	LSM12		11214	70				
39 L	No treatment		LS1A04	1200	8510	57								
41 L	No treatment		LS1A04	2000	15289	189								
42 C+L	EDTA	B*15:02	LS1A04		9149	43	LSM12		6424	41				
45 L	EDTA		LS1A04	1500	14304	57								
48 L	Heat inactivation													
51 L	EDTA		LS1A04	1700	12434	23	LSM12	2.6	9284	19				
54 L	No treatment		LS1A04	800	15362	58	LSM12	350	12286	38				
58 L	No treatment		LMX		17915		LS1A04	1000	14540	40	LSM12	Ratio 2.5-3	16978	119
62 L	No treatment		LS1A04	2000	17485	50								
112 L	No treatment		LSA1	990	17874	272/1140/867								
114 L	No treatment		LS1A04	1000	13903	79								
116 C+L	No treatment		LS1A04	1000	15328	42	LSM12		11415	56				
117 E+L	No treatment		LS1A04	500	12737	30								
119 L			LS1A04	1000	18310	51	LSM12	1.5	15512	91				
120 L	No treatment	B*51:02, 15:02	LS1A04	500	12191	68								
136 C+L	No treatment		LS1A04	1000	16369	44								
139 C+L	No treatment		LS1A04	1000	16952	44	LSM12	4	16428	84				
142 L	EDTA		LS1A04	1000	13251	46								
145 L	No treatment		LS1A04	1000	13318	58	LSM12	1.5/1.2	15984	121				
147 C+L	No treatment		LS1A04	1500	11416	92.99	LSM12	>5	9137	46.08				
149 L			LSA1		10000	227-650								
157 L	No treatment		LS1A04	1000	18500	67								
159 C+L	No treatment		LS1A04	1500	14558	107								
162 C+L	No treatment		LS1A04	1000	15448	105.25	LSM12	3	17095	66.44				
164 C+L			LS1PRA	2000	19437	133	LS1A04	2000	19689	80				
165 C+F+E+L	No treatment		LS1A04	1000	14565	53								
169 L	No treatment		LS1A04	1000	4479	10								
181 L	No treatment		LS1A04	500	12127	31								
185 C+L			LM1		21375	130	LSA1		17135	219				
186 L			LSA1		17696	165	LS1A04		10567	37				
190 L	EDTA		LS1A04	1000	16564	96.94	LSM12	3	16669	47.38				
193 L	No treatment		LS1A04	2000	16342	43								
194 C+L	DTT		LS1A04	500	16880	104								
195 L	No treatment		LS1A04	1000	>500	<1500								
197 L	No treatment													
204 L	EDTA		LS1A04	1000	15255	48								
206 L	EDTA		LS1A04	1000	12365	46								
209			LS1PRA	500	14362	57	LS1A04	500	17066	63				
216 L			LS1PRA	1790	7802	69								
218 L	Dilution, Heat inactivation		LM1		19707		LSA1		15473					
223 C	No treatment													
227 C+L	Dilution, DTT for CDC		LM1	1000	22583	252	LS1A04	1500	12189	49	LSM12	3.8	12188	51
229 L	No treatment		LSA1		15126									
232 L	No treatment		LS1A04	366	11178	31								
235 L			LS1PRA	1000	10809	49								
238 L	No treatment		LM1		16662	74/109/145	LSA1		17190	181/539/381				
243 L	No Treatment		LS1A04	1000	16599	42								
245 L	No Treatment		LS1A04	++>1000, -<500	11542	44								
262 L	No Treatment		LSA1	ADBCR >5	16874	200								
267 L	No Treatment	A*23:01, 24:02, 29:02; B*35:08, 57:01, 58:01, 82:02; C*07:01	LM1	3	21505	123/122/139	LSA1	2+weak	16242	157/153/202	LABScreen Multi	Pos 1.5 Neg 1.2	11877	87
268 C+L	DTT		LM1	1000	21118	152/159/265	LSA1	1500	16939	208/497/397				
271 L	No Treatment		LS1A04	2000	16183	40								
277 L	No Treatment	B*13:02, 15:02, 51:02	LS1A04	500	11073	35.46								
284 C+L	EDTA		LS1A04	1000	14217	48	LSM12	3	10902	68				
293 L	No Treatment		LS1PRA	1000	9354	32								
297 L	LSA Abs Bead		LSA1	ADBCR >5	16874	200								
303 L	EDTA		LS1A04	1000	9190	77								

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







**UK NEQAS FOR HAI SCHEME 3 - HLA ANTIBODY IDENTIFICATION**

CLASS 1 HLA ANTIBODY SPECIFICITY ANALYSIS OF 305/2014

DESPATCHED ON 11TH FEBRUARY 2014

HLA specificity for assessment			B58			B18			B49			B50			B54			B55			B56			B27			B2708			B35			B37			B60			B61			B41			B42			
B57			Present			Present			Not Assessed			Not Assessed			Present			Present			Present			Not Assessed			Present			Present			Present			Present			Present			Present			Present			
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	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9	B57	L	>5000	B58	L	>5000	B18	L	2000-5000	B49	L	<2000	B50	L	<2000	B54	L	>5000	B55	L	>5000	B56	L	>5000	B27	L	>5000	B2708	L	>5000	B35	L	2000-5000	B37	L	2000-5000	B60	L	>5000	B61	L	>5000	B41	L	>5000	B42	L	>5000
11	B57	L	>5000	B58	L	2000-5000	B18	L	2000-5000							B54	L	>5000	B55	L	>5000	B56	L	>5000	B27	L	>5000	B2708	L	>5000	B35	L	2000-5000	B37	L	2000-5000	B60	L	>5000	B61	L	>5000	B41	L	>5000	B42	L	>5000
12	B57	L	>5000	B58	L	>5000	B18	L	2000-5000	B49	L	<2000	B50	L	>5000	B54	L	>5000	B55	L	>5000	B56	L	>5000	B27	L	>5000	B2708	L	>5000	B35	L	2000-5000	B37	L	>5000	B60	L	>5000	B61	L	>5000	B41	L	>5000	B42	L	>5000
14	B57	L	>5000	B58	L	>5000	B18	L	2000-5000							B54	L	>5000	B55	L	>5000	B56	L	>5000	B27	L	>5000	B2708	L	>5000	B35	L	2000-5000	B37	L	2000-5000	B60	L	>5000	B61	L	>5000	B41	L	>5000	B42	L	>5000
15	B57	L	>5000	B58	L	>5000	B18	L	2000-5000							B54	L	>5000	B55	L	>5000	B56	L	>5000	B27	L	>5000	B2708	L	>5000	B35	L	2000-5000	B37	L	>5000	B60	L	>5000	B61	L	>5000	B41	L	>5000	B42	L	>5000
19	B57	L	>5000	B58	L	2000-5000	B18	L	2000-5000							B54	L	>5000	B55	L	>5000	B56	L	>5000	B27	L	>5000	B2708	L	2000-5000	B35	L	2000-5000	B37	L	2000-5000	B60	L	>5000	B61	L	>5000	B41	L	>5000	B42	L	>5000
20	B57	L	>5000	B58	L	2000-5000	B18	L	<2000							B54	L	>5000	B55	L	>5000	B56	L	>5000	B27	L	>5000	B2708	L	>5000	B35	L	<2000	B37	L	2000-5000	B60	L	>5000	B61	L	2000-5000	B41	L	>5000	B42	L	>5000
23	B57	L	>5000	B58	L	>5000	B18	L	<2000							B54	L	>5000	B55	L	>5000	B56	L	>5000	B27	L	>5000	B2708	L	>5000	B35	L	2000-5000	B37	L	2000-5000	B60	L	2000-5000	B61	L	>5000	B41	L	>5000	B42	L	>5000
24	B57	L	>5000	B58	L	2000-5000	B18	L	2000-5000							B54	L	>5000	B55	L	>5000	B56	L	>5000	B27	L	>5000	B2708	L	>5000	B35	L	<2000	B37	L	2000-5000	B60	L	2000-5000	B61	L	>5000	B41	L	>5000	B42	L	>5000
25	B57	L	>5000	B58	L	>5000	B18	L	2000-5000							B54	L	>5000	B55	L	>5000	B56	L	>5000	B27	L	>5000	B2708	L	>5000	B35	L	2000-5000	B37	L	>5000	B60	L	>5000	B61	L	>5000	B41	L	>5000	B42	L	>5000
26	B57	L	>5000	B58	L	2000-5000	B18	L	2000-5000							B54	L	>5000	B55	L	>5000	B56	L	>5000	B27	L	>5000	B2708	L	>5000	B35	L	<2000	B37	L	2000-5000	B60	L	2000-5000	B61	L	2000-5000	B41	L	>5000	B42	L	>5000
28	B57	L	>5000	B58	L	>5000	B18	L	2000-5000	B49	L	<2000	B50	L	<2000	B54	L	>5000	B55	L	>5000	B56	L	>5000	B27	L	>5000	B2708	L	>5000	B35	L	2000-5000	B37	L	2000-5000	B60	L	>5000	B61	L	>5000	B41	L	>5000	B42	L	>5000
29	B57	L	<2000	B58	L	<2000	B18	L	2000-5000							B54	L	>5000	B55	L	>5000	B56	L	2000-5000	B27	L	2000-5000	B2708	L	<2000	B35	L	<2000	B37	L	<2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000	B42	L	>5000
34	B57	L	>5000	B58	L	2000-5000	B18	L	2000-5000							B54	L	>5000	B55	L	>5000	B56	L	>5000	B27	L	>5000	B2708	L	>5000	B35	L	2000-5000	B37	L	2000-5000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000	B42	L	>5000
35	B57	L		B58	L		B18	L								B54	L		B55	L		B56	L		B27	L		B2708	L		B35	L		B37	L		B60	L		B61	L		B41	L		B42	L	
38	B57	L	>5000	B58	L	>5000	B18	L	2000-5000							B54	L	>5000	B55	L	>5000	B56	L	>5000	B27	L	>5000	B2708	L	>5000	B35	L	2000-5000	B37	L	2000-5000	B60	L	>5000	B61	L	>5000	B41	L	>5000	B42	L	>5000
39	B57	L	>5000	B58	L	>5000	B18	L	2000-5000							B54	L	>5000	B55	L	>5000	B56	L	>5000	B27	L	>5000	B2708	L	>5000	B35	L	<2000	B37	L	>5000	B60	L	>5000	B61	L	>5000	B41	L	>5000	B42	L	>5000
41	B57	L	>5000	B58	L	>5000	B18	L	2000-5000							B54	L	>5000	B55	L	>5000	B56	L	>5000	B27	L	>5000	B2708	L	>5000	B35	L	>5000	B37	L	>5000	B60	L	>5000	B61	L	>5000	B41	L	>5000	B42	L	>5000
42	B57	L	>5000	B58	L	2000-5000	B18	L	<2000							B54	L	>5000	B55	C+L	>5000	B56	C+L	>5000	B27	L	>5000	B2708	L	>5000	B35	L	2000-5000	B37	L	2000-5000	B60	L	2000-5000	B61	L	>5000	B41	L	>5000	B42	L	>5000
45	B57	L		B58	L		B18	L								B54	L		B55	L		B56	L		B27	L		B2708	L		B35	L		B37	L		B60	L		B61	L		B41	L		B42	L	
46	B57	L	>5000	B58	L	>5000	B18	L	>5000							B54	L	>5000	B55	L	>5000	B56	L	>5000	B27	L	>5000	B2708	L	>5000	B35	L	>5000	B37	L	>5000	B60	L	>5000	B61	L	>5000	B41	L	>5000	B42	L	>5000
51	B57	L	>5000	B58	L	2000-5000	B18	L	2000-5000							B54	L	>5000	B55	L	>5000	B56	L	>5000	B27	L	>5000	B2708	L	>5000	B35	L	2000-5000	B37	L	2000-5000	B60	L	2000-5000	B61	L	2000-5000	B41	L	>5000	B42	L	>5000
54	B57	L	>5000	B58	L	>5000	B18	L	2000-5000	B49	L	<2000	B50	L	<2000	B54	L	>5000	B55	L	>5000	B56	L	>5000	B27	L	>5000	B2708	L	>5000	B35	L	2000-5000	B37	L	2000-5000	B60	L	>5000	B61	L	>5000	B41	L	>5000	B42	L	>5000
58	B57	L	>5000	B58	L	>5000	B18	L	2000-5000							B54	L	>5000	B55	L	>5000	B56	L	>5000	B27	L	>5000	B2708	L	>5000	B35	L	2000-5000	B37	L	2000-5000	B60	L	2000-5000	B61	L	>5000	B41	L	>5000	B42	L	>5000
62	B57	L	>5000	B58	L	>5000	B18	L	2000-5000							B54	L	>5000	B55	L	>5000	B56	L	>5000	B27	L	>5000	B2708	L	>5000	B35	L	2000-5000	B37	L	2000-5000	B60	L	2000-5000	B61	L	>5000	B41	L	>5000	B42	L	>5000
112	B57	L	<2000	B58	L	>5000	B18	L	2000-5000							B54	L	>5000	B55	L	>5000	B56	L	>5000	B27	L	>5000	B2708	L	>5000	B35	L	2000-5000	B37	L	<2000	B60	L	2000-5000	B61	L	>5000	B41	L	2000-5000	B42	L	>5000
114	B57	L	>5000	B58	L	>5000	B18	L	2000-5000							B54	L	>5000	B55	L	>5000	B56	L	>5000	B27	L	>5000	B2708	L	>5000	B35	L	2000-5000	B37	L	2000-5000	B60	L	>5000	B61	L	>5000	B41	L	>5000	B42	L	>5000
116	B57	L	>5000	B58	L	2000-5000	B18	L	2000-5000							B54	L	>5000	B55	L	>5000	B56	L	>5000	B27	L	>5000	B2708	L	>5000	B35	L	2000-5000	B37	L	2000-5000	B60	L	2000-5000	B61	L	>5000	B41	L	>5000	B42	L	>5000
117	B57	L	>5000	B58	L	>5000	B18	L	2000-5000							B54	E+L	>5000	B55	E+L	>5000	B56	E+L	>5000	B27	E+L	>5000	B2708	L	>5000	B35	L	2000-5000	B37	L	2000-5000	B60	L	2000-5000	B61	E+L	>5000	B41	L	>5000	B42	E+L	>5000
119	B57	L	>5000	B58	L	>5000	B18	L	2000-5000							B54	L	>5000	B55	L	>5000	B56	L	>5000	B27	L	>5000	B2708	L	>5000	B35	L	2000-5000	B37	L	>5000	B60	L	2000-5000	B61	L	>5000	B41	L	>5000	B42	L	>5000
120	B57	L	2000-5000	B58	L	>5000	B18	L	<2000							B54	L	2000-5000	B55	L	>5000	B56	L	2000-5000	B27	L	2000-5000	B2708	L	>5000	B35	L	<2000	B37	L	<2000	B60	L	<2000	B61	L	<2000	B41	L	2000-5000	B42	L	>5



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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 305/2014

DESPATCHED ON 11TH FEBRUARY 2014

HLA specificity for assessment																											
Consensus % reported	Cw6 Not Assessed 31.5%			Cw7 Not Assessed 5.5%			Cw8 Not Assessed 16.4%			Cw12 Absent 4.1%			Cw14 Absent 4.1%			Cw15 Present 83.6%			Cw17 Not Assessed 23.3%			Cw18 Not Assessed 9.6%					
	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		
9	Cw6	L	< 2000													Cw15	L	> 5000	Cw17	L	< 2000	Cw18	L	< 2000			
11																Cw15	L	> 5000									
12	Cw6	L	< 2000													Cw15	L	> 5000	Cw17	L	< 2000	Cw18	L	< 2000			
14																Cw15	L	> 5000									
15																Cw15	L	> 5000									
19																Cw15	L	> 5000									
20																Cw15	L	> 5000	Cw17	L	< 2000						
23																Cw15	L	> 5000									
24																Cw15	L	> 5000									
25																Cw15	L	> 5000									
26																Cw15	L	> 5000									
28	Cw6	L	< 2000													Cw15	L	> 5000	Cw17	L	< 2000						
29																Cw15	L	< 2000				Cw18	L	< 2000			
34	Cw6	L	< 2000				Cw7	L	< 2000							Cw15	L	> 5000									
35																Cw15	L	> 5000									
38	Cw6	L	< 2000													Cw15	L	> 5000									
39	Cw6	L	< 2000													Cw15	L	> 5000									
41	Cw6	L	2000-5000				Cw7	L					Cw8	L	< 2000	Cw12	L	2000-5000	Cw14	L	2000-5000	Cw17	L	2000-5000	Cw18	L	2000-5000
42	Cw6	L	< 2000													Cw15	L	> 5000									
45																Cw15	L	> 5000									
48	Cw6	L	2000-5000													Cw15	L	> 5000									
51																Cw15	L	> 5000	Cw17	L	2000-5000						
54	Cw6	L	< 2000													Cw15	L	> 5000	Cw17	L	< 2000						
58	Cw6	L	< 2000													Cw15	L	> 5000									
62																Cw15	L	> 5000									
112																Cw15	L	< 2000									
114	Cw6	L	< 2000													Cw15	L	> 5000	Cw17	L	< 2000						
116																Cw15	L	> 5000									
117	Cw6	L	< 2000													Cw15	L	> 5000									
119	Cw6	L	< 2000													Cw15	L	> 5000	Cw17	L	< 2000						
120																Cw15	L	2000-5000									
136																Cw15	L	> 5000									
139																Cw15	L	> 5000									
142																											
145																Cw15	L	> 5000									
147																Cw15	L	> 5000									
149																Cw15	L	< 2000									
157	Cw6	L	< 2000													Cw15	L	> 5000	Cw17	L	2000-5000						
159	Cw6	L	< 2000													Cw15	L	> 5000	Cw17	L	< 2000						
162																Cw15	L	> 5000									
164	Cw6	L	2000-5000																								
165																Cw15	L	> 5000									
169																Cw15	L	> 5000									
181	Cw6	L	< 2000													Cw15	L	> 5000									
185																Cw15	L	< 2000									
186																											
190	Cw6	L	< 2000													Cw15	L	> 5000									
193																Cw15	L	> 5000									
194	Cw6	L	< 2000													Cw15	L	> 5000	Cw17	L	< 2000	Cw18	L	< 2000			
195																Cw15	L	> 5000									
197																											
204																Cw15	L	> 5000	Cw17	L	< 2000						
206																Cw15	L	> 5000									
209	Cw6	L	< 2000													Cw15	L	> 5000	Cw17	L	< 2000						
216																											
218																											
223																											
227	Cw6	L	< 2000													Cw15	L	> 5000	Cw17	L	< 2000						
229																											
232																Cw15	L	> 5000									
235																											
238																Cw15	L	< 2000									
243	Cw6	L	2000-5000													Cw15	L	> 5000	Cw17	L	2000-5000	Cw18	L	< 2000			
245																Cw15	L	> 5000									
262																											
267							Cw7	L	2000-5000							Cw15	L	< 2000				Cw18	L	< 2000			
268																											
271																Cw15	L	> 5000									
277																Cw15	L	> 5000									
284																Cw15	L	> 5000									
293																Cw14	L	2000-5000									
297							Cw7	L	< 2000							Cw15	L	< 2000									
303																Cw15	L	> 5000									

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

Number	23	< 2000	4	< 2000	12	< 2000	3	< 2000	3	< 2000	61	< 2000	17	< 2000	7	< 2000
Total number	73	19	73	2	73	10	73	2	73	1	73	7	73	13	73	6
		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
		4		1		2		1		2		4		4		1
		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000
		0		0		0		0		0		51		0		0

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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 305/2014

DESPATCHED ON 11TH FEBRUARY 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
9 L	No treatment	A*24:02	LS1A04	500	13600	43								
11 L			LS1A04	1000	12117	27	LSM12	2.5 Ratio	10518	40.65				
12 L	EDTA	B*15:11	LS1A04	500	11443	52	LSM12	Ratio 5	9357	159				
14 L	No treatment		LS1A04	1500	15444	29								
15 L	EDTA	A*29:02, B*15:11	LS1A04	1000	20177	44								
19 L	No treatment		LS1A04	1000	12913	75								
20 C+L	No treatment	A*66:01	LS1A04	500	16991	28								
23 L	No treatment		LS1A04	1000	16572	39.21								
24 L	EDTA	A*24:02	LSA1	1500/4/5	17453	202	LS1PRA	1000	12234	61	LS1A04	1000	14584	34
25 L	EDTA	B*15:11	LSA1	1500	16497	166	LS1A04	1000	17200	33				
26 L	No treatment		LS1A04	1000	10015	45	LSM12	4.2	12506	116				
28 L		B*15:11	LS1A04	500	9678	28								
29 C+L	No treatment		LM1	326	17314	82/98/60	LSA1	1018	17140	122/368/312	LMX		17387	128/236/216
34 L	No treatment	A*66:01	LS1A04	461	13366	37								
35 C+L	No treatment													
38 L	EDTA		LS1A04	1050	15124	56	LSM12		12786	89				
39 L	No treatment	A*24:02, B*15:11	LS1A04	1200	13321	81								
41 L	No treatment	A*24:02, A*66:01, B*15:11	LS1A04	2000	14025	168								
42 C+L	EDTA	B*15:11	LS1A04	1500	11294	90	LSM12		7306	121				
45 L	EDTA		LS1A04	1500	17357	37								
48 L	Heat inactivation													
51 L	EDTA	A*24:02	LS1A04	1500	10933	33								
54 L	No treatment		LS1A04	700	15707	33	LSM12	350	13083	48				
58 L	No treatment		LMX		17398		LS1A04	1000	12516	38	LSM12	Ratio 2.5-3	15967	55
62 L	No treatment		LS1A04	2000	16777	34								
112 L	No treatment		LSA1	1000	17764	296/1144/649								
114 L	No treatment	A*24:02, 66:01	LS1A04	1000	15274	65								
116 C+L	No treatment		LS1A04	1000	15384	20	LSM12		12705	60				
117 E+L	No treatment	A*24:02, 66:01	LS1A04	500	13511	20								
119 L		A*66:01	LS1A04	1000	17576	32	LSM12	1.5	17972	28				
120 L	No treatment	A*11:02	LS1A04	500	4520	19								
136 C+L	No treatment	A*24:02, B*15:11, 51:01, 51:02	LS1A04	1000	17283	32								
139 C+L	No treatment	A*24:02	LS1A04	1000	16613	27	LSM12	4	17655	40				
142 L	EDTA		LS1A04	1000	15118	39								
145 L	No treatment	B*15:11 (B75)	LS1A04	1000	13582	34	LSM12	1.5/1.2	14003	39				
147 C+L	No treatment	A*24:02 (MFI 2893), 24:03 (659), B*13:01 (2000-5000), 13:02 (> 5000), 15:02/B75 (> 5000), 15:11/B75 (2000-5000)	LS1A04	1500	11884	73.48	LSM12	>5	9908	80.5				
149 L			LSA1		10000	227-650								
157 L	No treatment		LS1A04	1000	19200	36								
159 C+L	No treatment	A*24:02, 66:01; B*15:11	LS1A04	1500	15861	63								
162 L	No treatment	A*24:02; B*13:01 (2000-5000), 13:02 (> 5000)	LSM12	3	14757	59.33	LS1A04	2000	19192	69				
164 C+L			LS1PRA	2000	17065	49								
165 C+H+E+L	No treatment		LS1A04	1000	13772	54								
169 L	No treatment	B*13:02	LS1A04	1000	4796	11								
181 L	No treatment	B*15:11 (MFI < 2000)	LS1A04	500	13227	22.9								
185 C+L		B*15:16	LM1		22183	99	LSA1		17006	278				
186 L			LSA1		18101	147	LS1A04		10612	24				
190 L	EDTA		LS1A04	1000	18231	42.69	LSM12	3	17058	17.02				
193 L	No treatment		LS1A04	2000	16922	19								
194 C+L	DTT		LS1A04	500	17011	129								
195 L	No treatment		LS1A04	1000	>500	<1500								
197 L	No treatment													
204 L	EDTA	A*24:02, 66:01, B*15:11	LS1A04	1000	16434	31								
206 L	EDTA	A*24:02	LS1A04	1000	11890	68								
209			LS1PRA	500	10626	52	LS1A04	500	17076	46				
216 L			LS1PRA	4738	8310	223								
218 L	Dilution, Heat inactivation	A*23:01, 24:02, 24:03, B*07:02, 08:01, 15:16/B63, 18:01, 27:05, 27:08, 35:01, 35:08, 39:01, 40:01/B60, 40:02/B61, 41:01, 42:01, 54:01, 55:01, 56:01, 78:01, 81:01, 82:02	LM1		20091		LSA1		15740					
223 C	No treatment													
227 C+L	Dilution, DTT for CDC		LM1	1000	18045	103	LSA1A04	1000	12297	61	LSM12	3.8	13553	39
229 L	No treatment	A*24:02, B*27:05, 40:02	LSA1		16530									
232 L	No treatment		LS1A04	645	11511	18								
235 L			LS1PRA	1000	11644	63								
238 L	No treatment		LM1		20291	138/214/143	LSA1		16997	153/584/262				
243 L	No Treatment	A*24:02; B*15:11	LS1A04	1000	24471	45								
245 L	No Treatment	A*24:02	LS1A04		>>1000, <<500	13338	34							
262 L	No Treatment		LSA1		16874	200								
267 L	No Treatment	A*23:01, 24:02, 29:02; B*07:02, 08:01, 18:01, 37:01, 39:01, 41:01, 42:01, 51:01, 54:01, 55:01, 56:01, 57:01, 58:01, 73:01, 78:01, 81:01, 82:02; C*07:01, 14:02, 15:02, 18:01	LM1	3	21566	247/144/130	LSA1	2+weak	16009	293/250/254	LABScreen Multi	Pos 1.5 Neg 1.2	11877	87
268 C+L	DTT		LM1	1000	21698	243/252/195	LSA1	1500	17329	177/445/334				
271 L	No Treatment	A*24:02 (1529)	LS1A04	2000	14326	35								
277 L	No Treatment	A*24:02	LS1A04	500	11547	26								
284 C+L	EDTA	A*24:02 (< 2000)	LS1A04	1000	15418	42	LSM12	3	11519	50				
293 L	No Treatment		LS1PRA	1000	11173	49								
297 L	No Treatment	C*07:01	LSA1	ADBCR >5	37696	347								
303 L	EDTA	A*24:02	LS1A04	1000	10456	63								

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

**UK NEQAS FOR H&I SCHEME 3 - HLA ANTIBODY IDENTIFICATION - 75% PRESENT**

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 301/2014

DESPATCHED ON 11TH FEBRUARY 2014

HLA specificity for assessment														Total Correct	Total Assessed	% Correct	
Consensus	A25 Present	A26 Present	A34 Present	A66 Present	A11 Present	A29 Present	A30 Present	A31 Present	A33 Present	A68 Present	A69 Present	A43 Present	B13 Present				
% reported	98.6%	100.0%	95.9%	98.6%	98.6%	87.7%	83.6%	82.2%	89.0%	93.2%	76.7%	90.4%	83.6%				
Lab no.																	
9	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
11	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
12	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
14	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
15	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
19	A	A	A	A	A	A	A	U	A	A	A	A	A	12	13	92.3%	
20	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
23	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
24	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
25	A	A	A	A	A	A	A	A	A	A	A	A	U	12	13	92.3%	
26	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
28	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
29	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
34	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
35	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
38	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
39	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
41	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
42	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
45	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
48	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
51	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
54	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
58	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
62	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
112	A	A	A	A	A	A	A	A	A	A	U	A	U	11	13	84.6%	
114	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
116	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
117	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
119	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
120	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
136	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
139	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
142	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
145	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
147	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
149	A	A	A	A	A	U	U	U	U	A	U	A	U	7	13	53.8%	
157	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
159	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
162	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
164	A	A	A	A	A	A	A	A	A	A	U	A	A	12	13	92.3%	
165	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
169	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
181	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
185	A	A	A	A	A	U	A	A	A	A	U	A	A	11	13	84.6%	
186	A	A	A	A	A	A	A	A	A	A	U	A	A	12	13	92.3%	
190	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
193	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
194	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
195	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
197	A	A	A	A	A	U	U	A	A	A	U	U	A	9	13	69.2%	
204	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
206	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
209	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
216	A	A	A	A	A	U	U	U	A	U	U	U	U	7	13	53.8%	
218	A	A	A	A	A	U	U	U	U	U	U	U	U	5	13	38.5%	
223	U	A	U	U	U	U	U	U	U	U	U	U	U	1	13	7.7%	
227	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
229	A	A	U	A	A	U	U	U	U	A	U	U	U	5	13	38.5%	
232	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
235	A	A	A	A	A	U	U	U	A	A	U	U	A	8	13	61.5%	
238	A	A	A	A	A	A	U	U	A	A	U	A	U	9	13	69.2%	
243	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
245	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
262	A	A	A	A	A	U	U	U	U	U	U	A	U	7	13	53.8%	
267	A	A	A	A	A	A	U	A	A	A	U	A	U	10	13	76.9%	
268	A	A	A	A	A	U	U	U	A	U	A	A	U	8	13	61.5%	
271	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
277	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
284	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	
293	A	A	U	A	A	U	U	U	U	U	U	U	A	5	13	38.5%	
297	A	A	A	A	A	A	U	U	U	U	U	A	U	7	13	53.8%	
303	A	A	A	A	A	A	A	A	A	A	A	A	A	13	13	100.0%	

A Acceptable  
U Unacceptable

**UK NEQAS FOR H&I SCHEME 3 - HLA ANTIBODY IDENTIFICATION - 75% PRESENT**

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 302/2014

DESPATCHED ON 11TH FEBRUARY 2014

HLA specificity for assessment						
Consensus	A1	A3	A11	Total	Total	%
% reported	Present	Present	Present	Correct	Assessed	Correct
Lab no.	78.1%	75.3%	97.3%			
9	A	A	A	3	3	100.0%
11	A	A	A	3	3	100.0%
12	A	A	A	3	3	100.0%
14	A	A	A	3	3	100.0%
15	A	A	A	3	3	100.0%
19	A	A	A	3	3	100.0%
20	A	A	A	3	3	100.0%
23	A	A	A	3	3	100.0%
24	A	A	A	3	3	100.0%
25	A	A	A	3	3	100.0%
26	A	A	A	3	3	100.0%
28	A	A	A	3	3	100.0%
29	A	A	A	3	3	100.0%
34	A	A	A	3	3	100.0%
35	A	A	A	3	3	100.0%
38	A	A	A	3	3	100.0%
39	A	A	A	3	3	100.0%
41	A	A	A	3	3	100.0%
42	A	A	A	3	3	100.0%
45	A	A	A	3	3	100.0%
48	A	A	A	3	3	100.0%
51	A	A	A	3	3	100.0%
54	A	A	A	3	3	100.0%
58	A	A	A	3	3	100.0%
62	U	U	A	1	3	33.3%
112	U	U	A	1	3	33.3%
114	A	A	A	3	3	100.0%
116	A	A	A	3	3	100.0%
117	A	A	A	3	3	100.0%
119	A	A	A	3	3	100.0%
120	A	A	A	3	3	100.0%
136	A	A	A	3	3	100.0%
139	A	A	A	3	3	100.0%
142	A	A	A	3	3	100.0%
145	A	A	A	3	3	100.0%
147	A	A	A	3	3	100.0%
149	U	U	A	1	3	33.3%
157	A	A	A	3	3	100.0%
159	A	A	A	3	3	100.0%
162	A	A	A	3	3	100.0%
164	A	A	A	3	3	100.0%
165	A	A	A	3	3	100.0%
169	A	U	A	2	3	66.7%
181	A	A	A	3	3	100.0%
185	U	U	A	1	3	33.3%
186	A	U	A	2	3	66.7%
190	A	A	A	3	3	100.0%
193	A	U	A	2	3	66.7%
194	A	A	A	3	3	100.0%
195	A	A	A	3	3	100.0%
197	A	A	A	3	3	100.0%
204	A	A	A	3	3	100.0%
206	A	A	A	3	3	100.0%
209	A	A	A	3	3	100.0%
216	U	U	A	1	3	33.3%
218	U	A	A	2	3	66.7%
223	U	U	U	0	3	0.0%
227	A	A	A	3	3	100.0%
229	U	U	A	1	3	33.3%
232	A	A	A	3	3	100.0%
235	U	U	A	1	3	33.3%
238	U	U	A	1	3	33.3%
243	A	A	A	3	3	100.0%
245	A	A	A	3	3	100.0%
262	U	U	U	0	3	0.0%
267	U	U	A	1	3	33.3%
268	U	U	A	1	3	33.3%
271	U	U	A	1	3	33.3%
277	A	A	A	3	3	100.0%
284	A	A	A	3	3	100.0%
293	U	U	A	1	3	33.3%
297	U	U	A	1	3	33.3%
303	A	A	A	3	3	100.0%

A Acceptable  
U Unacceptable





**UK NEQAS FOR H&I SCHEME 3 - HLA ANTIBODY IDENTIFICATION - 75% PRESENT**

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 304/2014

DESPATCHED ON 11TH FEBRUARY 2014

HLA specificity for assessment						
Consensus	B63	B57	B58	Total	Total	%
% reported	Present	Present	Present	Correct	Assessed	Correct
Lab no.	80.8%	95.9%	91.8%			
9	A	A	A	3	3	100.0%
11	A	A	A	3	3	100.0%
12	A	A	A	3	3	100.0%
14	A	A	A	3	3	100.0%
15	A	A	A	3	3	100.0%
19	U	A	A	2	3	66.7%
20	A	A	A	3	3	100.0%
23	A	A	A	3	3	100.0%
24	A	A	A	3	3	100.0%
25	A	A	A	3	3	100.0%
26	A	A	A	3	3	100.0%
28	A	A	A	3	3	100.0%
29	A	A	A	3	3	100.0%
34	A	A	A	3	3	100.0%
35	A	A	A	3	3	100.0%
38	A	A	A	3	3	100.0%
39	A	A	A	3	3	100.0%
41	A	A	A	3	3	100.0%
42	A	A	A	3	3	100.0%
45	A	A	A	3	3	100.0%
48	A	A	A	3	3	100.0%
51	A	A	A	3	3	100.0%
54	A	A	A	3	3	100.0%
58	A	A	A	3	3	100.0%
62	A	A	A	3	3	100.0%
112	U	A	A	2	3	66.7%
114	A	A	A	3	3	100.0%
116	A	A	A	3	3	100.0%
117	A	A	A	3	3	100.0%
119	A	A	A	3	3	100.0%
120	A	A	A	3	3	100.0%
136	A	A	A	3	3	100.0%
139	A	A	A	3	3	100.0%
142	A	A	A	3	3	100.0%
145	A	A	A	3	3	100.0%
147	A	A	A	3	3	100.0%
149	U	A	U	1	3	33.3%
157	A	A	A	3	3	100.0%
159	A	A	A	3	3	100.0%
162	A	A	A	3	3	100.0%
164	A	A	A	3	3	100.0%
165	A	A	A	3	3	100.0%
169	A	A	A	3	3	100.0%
181	A	A	A	3	3	100.0%
185	A	A	A	3	3	100.0%
186	U	A	A	2	3	66.7%
190	A	A	A	3	3	100.0%
193	A	A	A	3	3	100.0%
194	A	A	A	3	3	100.0%
195	A	A	A	3	3	100.0%
197	U	A	A	2	3	66.7%
204	A	A	A	3	3	100.0%
206	A	A	A	3	3	100.0%
209	A	A	A	3	3	100.0%
216	U	A	A	2	3	66.7%
218	U	U	U	0	3	0.0%
223	U	U	U	0	3	0.0%
227	A	A	A	3	3	100.0%
229	U	U	U	0	3	0.0%
232	A	A	A	3	3	100.0%
235	A	A	A	3	3	100.0%
238	A	A	A	3	3	100.0%
243	A	A	A	3	3	100.0%
245	A	A	A	3	3	100.0%
262	U	A	U	1	3	33.3%
267	U	A	A	2	3	66.7%
268	U	A	A	2	3	66.7%
271	A	A	A	3	3	100.0%
277	A	A	A	3	3	100.0%
284	A	A	A	3	3	100.0%
293	U	A	A	2	3	66.7%
297	U	A	U	1	3	33.3%
303	A	A	A	3	3	100.0%

A Acceptable  
U Unacceptable



**UK NEQAS FOR H&I SCHEME 3 - HLA ANTIBODY IDENTIFICATION - 95% ABSENT**

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 301/2014

DESPATCHED ON 11TH FEBRUARY 2014

HLA specificity for assessment		A2	A32	A80	B51	B52	B7	B64	B62	B76	B58	B56	B37	B61	B53	B71	B72	B78	Cw2	Cw5	Total Correct	Total Assessed	% Correct
% reported	Lab no.	Absent 4.1%	Absent 1.4%	Absent 4.1%	Absent 1.4%	Absent 1.4%	Absent 1.4%	Absent 1.4%	Absent 4.1%	Absent 1.4%	Absent 4.1%	Absent 1.4%	Absent 2.7%	Absent 1.4%	Absent 2.7%	Absent 4.1%	Absent 1.4%	Absent 1.4%	Absent 4.1%	Absent 1.4%	Total Correct	Total Assessed	% Correct
A	9	A	A	U	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	19	94.7%
A	11	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	12	A	A	A	A	A	A	A	A	A	A	A	A	A	A	U	A	A	A	A	18	19	94.7%
A	14	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	15	A	A	A	A	A	A	A	A	A	A	A	A	U	A	A	A	A	A	A	18	19	94.7%
A	19	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	19	94.7%
A	20	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	23	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	24	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	25	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	26	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	28	A	A	A	A	A	A	A	A	A	A	A	A	A	A	U	A	A	A	A	18	19	94.7%
U	29	U	A	A	U	A	A	A	U	U	U	A	A	A	A	U	A	U	U	U	11	19	57.9%
A	34	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	35	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	38	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	39	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	41	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	42	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	45	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	48	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	51	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	54	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	58	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	62	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	112	A	A	A	A	A	A	U	A	A	A	A	A	A	A	A	A	A	A	A	18	19	94.7%
A	114	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	116	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	117	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	119	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	120	A	A	A	A	A	U	A	A	A	A	A	A	A	A	A	A	A	A	A	18	19	94.7%
A	136	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	139	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	142	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	145	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	147	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	149	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	157	A	A	U	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	19	94.7%
A	159	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	162	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	164	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	165	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	169	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	181	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	185	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	186	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	190	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	193	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	194	A	A	A	A	A	A	A	A	A	U	A	A	A	A	A	A	A	A	A	18	19	94.7%
A	195	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	197	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	204	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	206	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	209	A	A	A	A	A	A	A	A	U	A	A	A	A	A	A	A	A	A	A	18	19	94.7%
A	216	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	218	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	223	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	227	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	229	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	232	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	235	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	238	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	243	A	U	U	A	A	A	A	A	A	A	A	A	U	A	U	A	A	A	A	15	19	78.9%
A	245	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
U	262	U	A	A	A	A	A	U	A	A	A	A	A	A	A	A	A	A	A	A	17	19	89.5%
U	267	U	A	A	A	A	A	A	U	A	A	A	A	A	U	A	A	A	A	U	15	19	78.9%
A	268	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	271	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	277	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	284	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%
A	293	A	A	A	U	A	A	A	A	A	U	A	A	A	A	A	A	U	A	U	15	19	78.9%
A	297	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	U	A	18	19	94.7%
A	303	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	19	19	100.0%

A Acceptable  
U Unacceptable

**UK NEQAS FOR H&I SCHEME 3 - HLA ANTIBODY IDENTIFICATION - 95% ABSENT**

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 302/2014

DESPATCHED ON 11TH FEBRUARY 2014

HLA specificity for assessment											
	B5103	B7	B18	B60	B61	B78	B82	Cw7	Total	Total	%
% reported	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Correct	Assessed	Correct
Lab no.	1.4%	1.4%	4.1%	1.4%	2.7%	1.4%	1.4%	1.4%			
9	A	A	A	A	A	A	A	A	8	8	100.0%
11	A	A	A	A	A	A	A	A	8	8	100.0%
12	A	A	A	A	A	A	A	A	8	8	100.0%
14	A	A	A	A	A	A	A	A	8	8	100.0%
15	A	A	A	A	A	A	A	A	8	8	100.0%
19	A	A	A	A	A	A	A	A	8	8	100.0%
20	U	A	A	A	A	A	A	A	7	8	87.5%
23	A	A	A	A	A	A	A	A	8	8	100.0%
24	A	A	A	A	A	A	A	A	8	8	100.0%
25	A	A	A	A	A	A	A	A	8	8	100.0%
26	A	A	A	A	A	A	A	A	8	8	100.0%
28	A	A	A	A	A	A	A	A	8	8	100.0%
29	A	A	U	A	U	A	U	A	5	8	62.5%
34	A	A	A	A	A	A	A	A	8	8	100.0%
35	A	A	A	A	A	A	A	A	8	8	100.0%
38	A	A	A	A	A	A	A	A	8	8	100.0%
39	A	A	A	A	A	A	A	A	8	8	100.0%
41	A	A	A	A	A	A	A	A	8	8	100.0%
42	A	A	A	A	A	A	A	A	8	8	100.0%
45	A	A	A	A	A	A	A	A	8	8	100.0%
48	A	A	A	A	A	A	A	A	8	8	100.0%
51	A	A	A	A	A	A	A	A	8	8	100.0%
54	A	A	A	A	A	A	A	A	8	8	100.0%
58	A	A	A	A	A	A	A	A	8	8	100.0%
62	A	A	A	A	A	A	A	A	8	8	100.0%
112	A	A	U	A	A	A	A	A	7	8	87.5%
114	A	A	A	A	A	A	A	A	8	8	100.0%
116	A	A	A	A	A	A	A	A	8	8	100.0%
117	A	A	A	A	A	A	A	A	8	8	100.0%
119	A	A	A	A	A	A	A	A	8	8	100.0%
120	A	A	A	A	A	A	A	A	8	8	100.0%
136	A	A	A	A	A	A	A	A	8	8	100.0%
139	A	A	A	A	A	A	A	A	8	8	100.0%
142	A	A	A	A	A	A	A	A	8	8	100.0%
145	A	A	A	A	A	A	A	A	8	8	100.0%
147	A	A	A	A	A	A	A	A	8	8	100.0%
149	A	A	A	A	A	A	A	A	8	8	100.0%
157	A	A	A	A	A	A	A	A	8	8	100.0%
159	A	A	A	A	A	A	A	A	8	8	100.0%
162	A	A	A	A	A	U	A	A	7	8	87.5%
164	A	A	A	A	A	A	A	A	8	8	100.0%
165	A	A	A	A	A	A	A	A	8	8	100.0%
169	A	A	A	A	A	A	A	A	8	8	100.0%
181	A	A	A	A	A	A	A	A	8	8	100.0%
185	A	A	A	A	A	A	A	A	8	8	100.0%
186	A	A	A	A	A	A	A	A	8	8	100.0%
190	A	A	A	A	A	A	A	A	8	8	100.0%
193	A	A	A	A	A	A	A	A	8	8	100.0%
194	A	A	A	A	A	A	A	A	8	8	100.0%
195	A	A	A	A	A	A	A	A	8	8	100.0%
197	A	A	A	A	A	A	A	A	8	8	100.0%
204	A	A	A	A	A	A	A	A	8	8	100.0%
206	A	A	A	A	A	A	A	A	8	8	100.0%
209	A	A	A	A	A	A	A	A	8	8	100.0%
216	A	A	A	A	A	A	A	A	8	8	100.0%
218	A	A	A	A	A	A	A	U	7	8	87.5%
223	A	A	A	A	A	A	A	A	8	8	100.0%
227	A	A	A	A	A	A	A	A	8	8	100.0%
229	A	A	A	A	A	A	A	A	8	8	100.0%
232	A	A	A	A	A	A	A	A	8	8	100.0%
235	A	A	A	A	A	A	A	A	8	8	100.0%
238	A	A	A	A	A	A	A	A	8	8	100.0%
243	A	A	A	A	A	A	A	A	8	8	100.0%
245	A	A	A	A	A	A	A	A	8	8	100.0%
262	A	A	A	A	A	A	A	A	8	8	100.0%
267	A	U	U	U	U	A	A	A	4	8	50.0%
268	A	A	A	A	A	A	A	A	8	8	100.0%
271	A	A	A	A	A	A	A	A	8	8	100.0%
277	A	A	A	A	A	A	A	A	8	8	100.0%
284	A	A	A	A	A	A	A	A	8	8	100.0%
293	A	A	A	A	A	A	A	A	8	8	100.0%
297	A	A	A	A	A	A	A	A	8	8	100.0%
303	A	A	A	A	A	A	A	A	8	8	100.0%

A Acceptable  
U Unacceptable

**UK NEQAS FOR H&I SCHEME 3 - HLA ANTIBODY IDENTIFICATION - 95% ABSENT**

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 303/2014

DESPATCHED ON 11TH FEBRUARY 2014

HLA specificity for assessment																		Total	Total	%	
	B51	B5102	B52	B62	B76	B77	B38	B18	B35	B46	B59	Cw10	Cw5	Cw6	Cw7	Cw12	Cw15	Cw18	Total	Total	%
% reported	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Correct	Assessed	Correct
Lab no.	2.7%	4.1%	1.4%	1.4%	1.4%	1.4%	1.4%	1.4%	1.4%	1.4%	4.1%	1.4%	1.4%	1.4%	1.4%	1.4%	1.4%	1.4%			
9	U	U	A	A	A	A	A	A	A	A	U	A	A	A	A	A	A	A	15	18	83.3%
11	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
12	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
14	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
15	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
19	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
20	A	U	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	17	18	94.4%
23	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
24	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
25	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
26	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
28	A	U	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	17	18	94.4%
29	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
34	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
35	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
38	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
39	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
41	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
42	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
45	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
48	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
51	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
54	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
58	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
62	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
112	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
114	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
116	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
117	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
119	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
120	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
136	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
139	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
142	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
145	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
147	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
149	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
157	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
159	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
162	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
164	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
165	A	A	A	U	A	A	A	A	A	A	A	A	A	A	A	A	A	A	17	18	94.4%
169	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
181	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
185	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
186	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
190	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
193	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
194	U	A	U	A	U	U	A	A	A	A	U	U	A	U	U	U	U	U	7	18	38.9%
195	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
197	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
204	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
206	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
209	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
216	A	A	A	A	A	A	U	A	A	U	U	A	A	A	A	A	A	A	15	18	83.3%
218	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
223	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
227	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
229	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
232	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
235	A	A	A	A	A	A	A	U	A	A	A	A	A	A	A	A	A	A	17	18	94.4%
238	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
243	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
245	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
262	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
267	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
268	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
271	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
277	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
284	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
293	A	A	A	A	A	A	A	A	U	A	A	U	A	A	A	A	A	A	16	18	88.9%
297	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%
303	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	18	18	100.0%

A Acceptable  
U Unacceptable

**UK NEQAS FOR H&I SCHEME 3 - HLA ANTIBODY IDENTIFICATION - 95% ABSENT**

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 304/2014

DESPATCHED ON 11TH FEBRUARY 2014

HLA specificity for assessment											
	A25	A29	A80	B52	B18	B35	B53	Cw7	Total	Total	%
% reported	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Correct	Assessed	Correct
Lab no.	4.1%	1.4%	2.7%	1.4%	1.4%	1.4%	4.1%	2.7%			
9	U	A	U	U	A	A	U	A	4	8	50.0%
11	A	A	A	A	A	A	A	A	8	8	100.0%
12	U	A	A	A	A	A	U	A	6	8	75.0%
14	A	A	A	A	A	A	A	A	8	8	100.0%
15	A	A	A	A	A	A	A	A	8	8	100.0%
19	A	A	A	A	A	A	A	A	8	8	100.0%
20	A	A	A	A	A	A	A	A	8	8	100.0%
23	A	A	A	A	A	A	A	A	8	8	100.0%
24	A	A	A	A	A	A	A	A	8	8	100.0%
25	A	A	A	A	A	A	A	A	8	8	100.0%
26	A	A	A	A	A	A	A	A	8	8	100.0%
28	A	A	A	A	A	A	A	A	8	8	100.0%
29	A	A	A	A	A	A	A	U	7	8	87.5%
34	A	A	A	A	A	A	A	A	8	8	100.0%
35	A	A	A	A	A	A	A	A	8	8	100.0%
38	A	A	A	A	A	A	A	A	8	8	100.0%
39	A	A	A	A	A	A	A	A	8	8	100.0%
41	A	A	A	A	A	A	A	A	8	8	100.0%
42	A	A	A	A	A	A	A	A	8	8	100.0%
45	A	A	A	A	A	A	A	A	8	8	100.0%
48	A	A	A	A	A	A	A	A	8	8	100.0%
51	A	A	A	A	A	A	A	A	8	8	100.0%
54	A	A	A	A	A	A	A	A	8	8	100.0%
58	A	A	A	A	A	A	A	A	8	8	100.0%
62	A	A	A	A	A	A	A	A	8	8	100.0%
112	A	A	A	A	A	A	A	A	8	8	100.0%
114	A	A	A	A	A	A	A	A	8	8	100.0%
116	A	A	A	A	A	A	A	A	8	8	100.0%
117	A	A	A	A	A	A	A	A	8	8	100.0%
119	A	A	A	A	A	A	A	A	8	8	100.0%
120	A	A	A	A	A	A	A	A	8	8	100.0%
136	A	A	A	A	A	A	A	A	8	8	100.0%
139	A	A	A	A	A	A	A	A	8	8	100.0%
142	A	A	A	A	A	A	A	A	8	8	100.0%
145	A	A	A	A	A	A	A	A	8	8	100.0%
147	A	A	A	A	A	A	A	A	8	8	100.0%
149	A	A	A	A	A	A	A	A	8	8	100.0%
157	U	A	A	A	A	A	A	A	7	8	87.5%
159	A	A	A	A	A	A	A	A	8	8	100.0%
162	A	A	A	A	A	A	A	A	8	8	100.0%
164	A	A	A	A	A	A	A	A	8	8	100.0%
165	A	A	A	A	A	A	A	A	8	8	100.0%
169	A	A	A	A	A	A	A	A	8	8	100.0%
181	A	A	U	A	A	A	A	A	7	8	87.5%
185	A	A	A	A	A	A	A	A	8	8	100.0%
186	A	A	A	A	A	A	A	A	8	8	100.0%
190	A	A	A	A	A	A	A	A	8	8	100.0%
193	A	A	A	A	A	A	A	A	8	8	100.0%
194	A	A	A	A	A	A	U	A	7	8	87.5%
195	A	A	A	A	A	A	A	A	8	8	100.0%
197	A	A	A	A	A	A	A	A	8	8	100.0%
204	A	A	A	A	A	A	A	A	8	8	100.0%
206	A	A	A	A	A	A	A	A	8	8	100.0%
209	A	A	A	A	A	A	A	A	8	8	100.0%
216	A	A	A	A	A	A	A	A	8	8	100.0%
218	A	A	A	A	A	A	A	A	8	8	100.0%
223	A	A	A	A	A	A	A	A	8	8	100.0%
227	A	A	A	A	A	A	A	A	8	8	100.0%
229	A	A	A	A	U	A	A	A	7	8	87.5%
232	A	A	A	A	A	A	A	A	8	8	100.0%
235	A	A	A	A	A	A	A	A	8	8	100.0%
238	A	A	A	A	A	A	A	A	8	8	100.0%
243	A	A	A	A	A	A	A	A	8	8	100.0%
245	A	A	A	A	A	A	A	A	8	8	100.0%
262	A	A	A	A	A	A	A	A	8	8	100.0%
267	A	U	A	A	A	U	A	U	5	8	62.5%
268	A	A	A	A	A	A	A	A	8	8	100.0%
271	A	A	A	A	A	A	A	A	8	8	100.0%
277	A	A	A	A	A	A	A	A	8	8	100.0%
284	A	A	A	A	A	A	A	A	8	8	100.0%
293	A	A	A	A	A	A	A	A	8	8	100.0%
297	A	A	A	A	A	A	A	A	8	8	100.0%
303	A	A	A	A	A	A	A	A	8	8	100.0%

A Acceptable  
U Unacceptable

**UK NEQAS FOR H&I SCHEME 3 - HLA ANTIBODY IDENTIFICATION - 95% ABSENT**

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 305/2014

DESPATCHED ON 11TH FEBRUARY 2014

HLA specificity for assessment									
	A2	A30	A31	B65	Cw12	Cw14	Total	Total	%
% reported	Absent	Absent	Absent	Absent	Absent	Absent	Correct	Assessed	Correct
Lab no.	1.4%	1.4%	2.7%	2.7%	4.1%	4.1%			
9	A	A	A	A	U	A	5	6	83.3%
11	A	A	A	A	A	A	6	6	100.0%
12	A	A	A	A	A	A	6	6	100.0%
14	A	A	A	A	A	A	6	6	100.0%
15	A	A	A	A	A	A	6	6	100.0%
19	A	A	A	A	A	A	6	6	100.0%
20	A	A	A	A	A	A	6	6	100.0%
23	A	A	A	A	A	A	6	6	100.0%
24	A	A	A	A	A	A	6	6	100.0%
25	A	A	A	A	A	A	6	6	100.0%
26	A	A	A	A	A	A	6	6	100.0%
28	A	A	A	A	A	A	6	6	100.0%
29	A	A	A	U	A	A	5	6	83.3%
34	A	A	A	A	A	A	6	6	100.0%
35	A	A	A	A	A	A	6	6	100.0%
38	A	A	A	A	A	A	6	6	100.0%
39	A	A	A	A	A	A	6	6	100.0%
41	A	A	A	A	U	A	4	6	66.7%
42	A	A	A	A	A	A	6	6	100.0%
45	A	A	A	A	A	A	6	6	100.0%
48	A	A	A	A	A	A	6	6	100.0%
51	A	A	A	A	A	A	6	6	100.0%
54	A	A	A	A	A	A	6	6	100.0%
58	A	A	A	A	A	A	6	6	100.0%
62	A	A	A	A	A	A	6	6	100.0%
112	A	A	A	U	A	A	5	6	83.3%
114	A	A	A	A	A	A	6	6	100.0%
116	A	A	A	A	A	A	6	6	100.0%
117	A	A	A	A	A	A	6	6	100.0%
119	A	A	A	A	A	A	6	6	100.0%
120	A	A	A	A	A	A	6	6	100.0%
136	A	A	A	A	A	A	6	6	100.0%
139	A	A	A	A	A	A	6	6	100.0%
142	A	A	A	A	A	A	6	6	100.0%
145	A	A	A	A	A	A	6	6	100.0%
147	A	A	A	A	A	A	6	6	100.0%
149	A	A	A	A	A	A	6	6	100.0%
157	A	A	A	A	A	A	6	6	100.0%
159	A	A	A	A	A	A	6	6	100.0%
162	A	A	A	A	A	A	6	6	100.0%
164	A	A	A	A	A	A	6	6	100.0%
165	A	A	A	A	A	A	6	6	100.0%
169	A	A	A	A	A	A	6	6	100.0%
181	A	A	A	A	A	A	6	6	100.0%
185	A	A	A	A	A	A	6	6	100.0%
186	A	A	A	A	A	A	6	6	100.0%
190	A	A	A	A	A	A	6	6	100.0%
193	A	A	A	A	A	A	6	6	100.0%
194	A	A	A	A	A	A	6	6	100.0%
195	A	A	A	A	A	A	6	6	100.0%
197	A	U	U	A	A	A	4	6	66.7%
204	A	A	A	A	A	A	6	6	100.0%
206	A	A	A	A	A	A	6	6	100.0%
209	A	A	A	A	A	A	6	6	100.0%
216	A	A	A	A	A	A	6	6	100.0%
218	A	A	A	A	A	A	6	6	100.0%
223	A	A	A	A	A	A	6	6	100.0%
227	A	A	A	A	A	A	6	6	100.0%
229	A	A	A	A	A	A	6	6	100.0%
232	A	A	A	A	A	A	6	6	100.0%
235	A	A	A	A	A	A	6	6	100.0%
238	A	A	A	A	A	A	6	6	100.0%
243	A	A	A	A	U	A	5	6	83.3%
245	A	A	A	A	A	A	6	6	100.0%
262	A	A	A	A	A	A	6	6	100.0%
267	A	A	A	A	A	U	5	6	83.3%
268	A	A	A	A	A	A	6	6	100.0%
271	A	A	A	A	A	A	6	6	100.0%
277	A	A	A	A	A	A	6	6	100.0%
284	A	A	A	A	A	A	6	6	100.0%
293	U	A	U	A	A	U	3	6	50.0%
297	A	A	A	A	A	A	6	6	100.0%
303	A	A	A	A	A	A	6	6	100.0%

A Acceptable  
U Unacceptable