UKNEQAS for HISTOCOMPATIBILITY and IMMUNOGENETICS
UNITED KINGDOM EXTERNAL QUALITY ASSESSMENT SERVICE

UK NEQAS FOR H&I SCHEME 3 - HLA ANTIBODY IDENTIFICATION **RESUTLS BY LUMINEX KIT(S) USED**

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 306/2014 DESPATCHED ON 17TH JUNE 2014

HLA specificities from all participants

	DR17	DR4	DR11	DR12	DQ7	DQ8	DQ9	DQ4
Consensus	Absent	Present	Absent	Absent	Present	Present	Present	Absent
% reported	1.4%	93.2%	2.7%	2.7%	98.6%	98.6%	98.6%	2.7%

HLA specificities from One Lambda kit users only

	DR17			DR4			DR11			DR12			DQ7			DQ8			DQ9			DQ4		
Consensus				Present			Absent			Absent			Present			Present			Present			Absent		
% reported	0.0%			90.2%			2.0%			2.0%			100.0%			100.0%			100.0%			3.9%		
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				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
11				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
12				DR4	L	2000-5000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
14				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
15													DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
19				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
20				DR4	L	< 2000							DQ7	C+L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	< 2000
23				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
26													DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
35				DR4	L	> 5000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
38				DR4	L	2000-5000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
39				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
41				DR4	L	2000-5000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
42				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
45				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
51				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
54				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
62				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
114				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
116				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
117				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
119				DR4	L	2000-5000, > 5000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
120				DR4	L	< 2000							DQ7	L	2000-5000, > 5000	DQ8	L	> 5000	DQ9	L	> 5000			
136				DR4	L	2000-5000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	< 2000
139				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
142				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
143				DR4	L	2000-5000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
145				DR4	L	< 2000, 2000-5000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
147				DR4	L	2000-5000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
157				DR4	L	2000-5000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
159				DR4	L	2000-5000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
162				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
164													DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
165				DR4	F+E+L	2000-5000							DQ7	F+E+L	> 5000	DQ8	F+E+L	> 5000	DQ9	F+E+L	> 5000			
169				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
181				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
190				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
193				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
194				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
195				DR4	L	2000-5000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
206				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
209				DR4	L	2000-5000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
216				DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
232													DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
235				DR4	L								DQ7	L		DQ8	L		DQ9	L				
243				DR4	L	2000-5000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
245				DR4	L	2000-5000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
277				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
284				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
303				DR4	L	2000-5000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
311													DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
Number	0	< 2000	46	< 2000			1	< 2000		1	< 2000		51	< 2000		51	< 2000		51	< 2000		2	< 2000	
Total number	51	0	51	27			51	0		51	0		51	0		51	0		51	0		51	2	
		2000-5000		2000-5000				2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		0		14				0			0			0			0			0			0	
		> 5000		> 5000				> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0		3				1			1			50			50			50			0	

HLA specificities from Lifecodes kit users only

	DR17			DR4			DR11			DR12			DQ7			DQ8			DQ9			DQ4		
Consensus				Present									Present			Present			Present					
% reported	0.0%			100.0%			0.0%			0.0%			90.9%			90.9%			90.9%			0.0%		
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
100				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
112				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
149				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
185				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	2000-5000	DQ9	L	2000-5000			
218				DR4	L	> 5000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
229				DR4	L	< 2000																		
238				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
262				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
268				DR4	L	2000-5000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
297				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
309				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
Number	0	< 2000	11	< 2000			0	< 2000		0	< 2000		10	< 2000		10	< 2000		10	< 2000		0	< 2000	
Total number	11	0	11	9			11	0		11	0		11	0		11	0		11	0		11	0	
		2000-5000		2000-5000				2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		0		1				0			0			0			1			1			0	
		> 5000		> 5000				> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0		1				0			0			10			9			9			0	

HLA specificities from users of both LABScreen & Lifecodes kits

	DR17			DR4			DR11			DR12			DQ7			DQ8			DQ9			DQ4		
Consensus				Present			Not Assessed			Not Assessed			Present			Present			Present					
% reported	0.0%			100.0%			11.1%			11.1%			100.0%			100.0%			100.0%			0.0%		
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
24				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
25				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
28				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
34				DR4	L	> 5000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
48				DR4	L	2000-5000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
58				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
186				DR4	L	< 2000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
227				DR4	L	2000-5000							DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
267				DR4	L	< 2000	DR11	L	< 2000	DR12	L	< 2000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
Number	0	< 2000	9	< 2000			1	< 2000		1	< 2000		9	< 2000		9	< 2000		9	< 2000		0	< 2000	
Total number	9	0	9	6			9	1		9	1		9	0		9	0		9	0		9	0	
		2000-5000		2000-5000				2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		0		2				0			0			0			0			0			0	
		> 5000		> 5000				> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0		1				0			0			9			9			9			0	

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UK NEQAS FOR H&I SCHEME 3 - HLA ANTIBODY IDENTIFICATION **RESUTLS BY LUMINEX KIT(S) USED**

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 307/2014 DESPATCHED ON 17TH JUNE 2014

HLA specificities from all participants

	DR1	DR103	DR15	DR16	DR17	DR18	DR4	DR11	DR12	DR13	DR14
Consensus	Present	Absent	Present	Present	Present	Present	Present	Present	Not Assessed	Present	Present
% reported	84.9%	1.4%	97.3%	97.3%	98.6%	97.3%	95.9%	98.6%	27.4%	98.6%	98.6%

HLA specificities from One Lambda kit users only

	DR1			DR103			DR15			DR16			DR17			DR18			DR4			DR11			DR12			DR13			DR14		
Consensus	Present			Absent			Present			Present			Present			Present			Present			Present			Not Assessed			Present			Present		
% reported	84.3%			2.0%			98.0%			98.0%			100.0%			100.0%			96.1%			100.0%			25.5%			100.0%			100.0%		
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
9	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
11							DR15	L	> 5000	DR16	L	> 5000	DR17	L	2000-5000	DR18	L	2000-5000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	> 5000
12	DR1	L	2000-5000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	< 2000	DR13	L	> 5000	DR14	L	> 5000
14	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
15	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	2000-5000	DR13	L	> 5000	DR14	L	> 5000
19	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	2000-5000	DR13	L	> 5000	DR14	L	> 5000
20	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	2000-5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
23	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	2000-5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	< 2000	DR13	L	> 5000	DR14	L	> 5000
26							DR15	L	> 5000	DR16	L	> 5000	DR17	L	2000-5000	DR18	L	2000-5000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	2000-5000
35	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
38	DR1	L	2000-5000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	< 2000	DR13	L	> 5000	DR14	L	> 5000
39	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	< 2000	DR13	L	> 5000	DR14	L	> 5000
41	DR1	L	2000-5000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
42	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	< 2000	DR13	L	> 5000	DR14	L	> 5000
45	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
51							DR15	L	> 5000	DR16	L	> 5000	DR17	L	2000-5000	DR18	L	2000-5000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	2000-5000
54	DR1	L	2000-5000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
62							DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	2000-5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
114	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
116	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
117	DR1	E+L	< 2000				DR15	E+L	> 5000	DR16	E+L	> 5000	DR17	E+L	> 5000	DR18	E+L	> 5000	DR4	E+L	> 5000	DR11	E+L	> 5000	DR12	E+L	< 2000	DR13	E+L	> 5000	DR14	E+L	> 5000
119	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
120	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	2000-5000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000, > 5000	DR14	L	2000-5000, > 5000
136	DR1	L	2000-5000	DR4			DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
139	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
142	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
143	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	< 2000	DR13	L	> 5000	DR14	L	> 5000
145	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
147	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
157	DR1	L	2000-5000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
159	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
162	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
164							DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
165	DR1	F+E+L	2000-5000				DR15	F+E+L	> 5000	DR16	F+E+L	> 5000	DR17	F+E+L	> 5000	DR18	F+E+L	> 5000	DR4	F+E+L	> 5000	DR11	F+E+L	> 5000	DR12	F+E		DR13	F+E+L	> 5000	DR14	F+E+L	> 5000
169							DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
181	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
190	DR1	L	2000-5000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
193	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
194	DR1	L	2000-5000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	2000-5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
195	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
206	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
209	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
216				DR103	L	> 5000							DR17	L	> 5000	DR18	L	> 5000				DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000
232							DR15	L	> 5000	DR16	L	> 5000	DR17	L	2000-5000	DR18	L	2000-5000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	2000-5000
235	DR1	L					DR15	L		DR16	L		DR17	L		DR18	L					DR11	L		DR12	L		DR13	L		DR14	L	
243	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
245	DR1	L	2000-5000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L		DR13	L	> 5000	DR14	L	> 5000
277	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
284	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
303	DR1	L	2000-5000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
311	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
	43		< 2000	1		< 2000	50		< 2000	50		< 2000	51		< 2000	51		< 2000	49		< 2000	51		< 2000	13		< 2000	51		< 2000	51		< 2000
Number r																																	
Total number	51		31	51		0	51		0	51		0	51		0	51		0	51		0	51		0	51		7	51		0	51		0
			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000
			11			0			0			0			4			9			0			5			2			4			3
			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000
			0			1			49			49			46			41			49			45			1			46			47

HLA specificities from Lifecodes kit users only

	DR1			DR103			DR15			DR16			DR17			DR18			DR4			DR11			DR12			DR13			DR14		
Consensus	Present						Present			Present			Present			Present			Present			Present			Not Assessed			Present			Present		
% reported	81.8%			0.0%			100.0%			100.0%			90.9%			90.9%			100.0%			100.0%			36.4%			100.0%			100.0%		
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
100	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	2000-5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	< 2000	DR13	L	> 5000	DR14	L	> 5000
112	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	2000-5000	DR18	L	2000-5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	2000-5000	DR14	L	> 5000
149							DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
185	DR1	L	< 2000				DR15	L	< 2000	DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000	DR12	L	< 2000	DR13	L	< 2000	DR14	L	< 2000
218	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	2000-5000	DR18	L	2000-5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	< 2000	DR13	L	> 5000	DR14	L	2000-5000
229	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000							DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	2000-5000
238	DR1	L	2000-5000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	2000-5000	DR18	L	2000-5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	2000-5000	DR14	L	2000-5000
262	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	2000-5000	DR18	L	2000-5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
268							DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
297	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
309	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	< 2000	DR13	L	> 5000	DR14	L	> 5000
	9		< 2000	0		< 2000	11		< 2000	11		< 2000	10		< 2000	10		< 2000	11		< 2000	11		< 2000	4		< 2000	11		< 2000	11		< 2000
Number r																																	
Total number	11		8	11		0	11		1	11		1	11		1	11		1	11		1	11		1	11		4	11		1	11		1
			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000
			1			0			0			0			5			4			0			1			0			3			3
			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000
			0			0			10			10			4			5			10			9			0			7			7

HLA specificities from users of both LABScreen & Lifecodes kits

	DR1			DR103			DR15			DR16			DR17			DR18			DR4			DR11			DR12			DR13			DR14		
Consensus	Present						Present			Present			Present			Present			Present			Present			Not Assessed			Present			Present		
% reported	100.0%			0.0%			100.0%			100.0%			100.0%			100.0%			100.0%			100.0%			33.3%			100.0%			100.0%		
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
24	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	2000-5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
25	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	2000-5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
28	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	2000-5000	DR12	L	< 2000	DR13	L	> 5000	DR14	L	> 5000
34	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	2000-5000	DR18	L	2000-5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	< 2000	DR13	L	> 5000	DR14	L	> 5000
48	DR1	L	2000-5000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	< 2000	DR13	L	> 5000	DR14	L	> 5000
58	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	2000-5000	DR18	L	2000-5000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	> 5000	DR14	L	> 5000
186	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	2000-5000	DR18	L	2000-5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	2000-5000	DR14	L	2000-5000
227	DR1	L	< 2000				DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	> 5000	DR14	L	> 5000
267	DR1	L					DR15	L		DR16	L		DR17	L		DR18	L		DR4	L		DR11	L					DR13	L		DR14	L	
	9		< 2000	0		< 2000	9		< 2000	9		< 2000	9		< 2000	9		< 2000	9		< 2000	9		< 2000	3		< 2000	9		< 2000	9		< 2000
Number r																																	
Total number	9		7	9		0	9		0	9		0	9		0	9		0	9		0	9		0	9		3	9		0	9		0
			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000
			1			0			0			0			3			5			0			2			0			1			1
			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000
			0			0			8			8			5			3			8			6			0			7			7

UKNEQAS for HISTOCOMPATIBILITY and IMMUNOGENETICS
UNITED KINGDOM EXTERNAL QUALITY ASSESSMENT SERVICE

UK NEQAS FOR H&I SCHEME 3 - HLA ANTIBODY IDENTIFICATION **RESUTLS BY LUMINEX KIT(S) USED**

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 307/2014 DESPATCHED ON 17TH JUNE 2014

HLA specificities from all participants

	DR1404	DR8	DR9	DR51	DR52	DR53	DQ6	DQ7	DQ8	DQ9	DQ4
Consensus	Not Assessed	Present	Absent	Present	Present	Absent	Present	Present	Present	Present	Not Assessed
% reported	13.7%	100.0%	4.1%	89.0%	94.5%	1.4%	97.3%	97.3%	95.9%	97.3%	74.0%

HLA specificities from One Lambda kit users only

	DR1404			DR8			DR9			DR51			DR52			DR53			DQ6			DQ7			DQ8			DQ9			DQ4		
Consensus				Present			Not Assessed			Present			Present			Absent			Present			Present			Present			Present			Not Assessed		
% reported	0.0%			100.0%			5.9%			90.2%			96.1%			2.0%			96.1%			98.0%			98.0%			98.0%			68.6%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
11				DR8	L	2000-5000				DR51	L	2000-5000	DR52	L	2000-5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
12				DR8	L	> 5000	DR9	L	< 2000	DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	> 5000
14				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
15				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
19				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
20				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
23				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
26				DR8	L	2000-5000							DR52	L	2000-5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
35				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
38				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
39				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
41				DR8	L	> 5000				DR51	L	> 5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	> 5000
42				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
45				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
51				DR8	L	2000-5000							DR52	L	2000-5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
54				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
62				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
114				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	> 5000
116				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
117				DR8	E+L	> 5000				DR51	E+L	2000-5000	DR52	E+L	> 5000				DQ6	E+L	> 5000	DQ7	E+L	> 5000	DQ8	E+L	> 5000	DQ9	E+L	> 5000	DQ4	E+L	< 2000
119				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
120				DR8	L	2000-5000				DR51	L	< 2000	DR52	L	2000-5000				DQ6	L	2000-5000, > 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
136				DR4	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
139				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
142				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
143				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
145				DR8	L	2000-5000				DR51	L	< 2000	DR52	L	2000-5000				DQ6	L	2000-5000, > 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
147				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
157				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
159				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
162				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	< 2000
164				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
165				DR8	F+E+L	> 5000				DR51	F+E+L	> 5000	DR52	F+E+L	> 5000	DR53	E		DQ6	F+L	> 5000	DQ7	F+E+L	> 5000	DQ8	F+E+L	> 5000	DQ9	F+E+L	> 5000	DQ4	F+E+L	2000-5000
169				DR8	L	> 5000				DR51	L	< 2000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	< 2000
181				DR8	L	> 5000				DR51	L	< 2000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	< 2000
190				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
193				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
194				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
195				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
206				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	< 2000
209				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
216				DR8	L	> 5000	DR9	L	> 5000																								
232				DR8	L	2000-5000				DR51	L	< 2000	DR52	L	2000-5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
235				DR8	L		DR9	L														DQ7	L		DQ8	L		DQ9	L				
243				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
245				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	> 5000
277				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
284				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	< 2000
303				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
311				DR8	L	> 5000							DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
	0	< 2000		51	< 2000		3	< 2000		46	< 2000		49	< 2000		1	< 2000		49	< 2000		50	< 2000		50	< 2000		50	< 2000		35	< 2000	
Number r Total number	51	0 2000-5000 0 > 5000 0		51	0 2000-5000 6 > 5000 44		51	1 2000-5000 0 > 5000 1		51	5 2000-5000 39 > 5000 2		51	0 2000-5000 6 > 5000 43		51	0 2000-5000 0 > 5000 0		51	0 2000-5000 0 > 5000 49		51	0 2000-5000 0 > 5000 49		51	0 2000-5000 0 > 5000 49		51	0 2000-5000 0 > 5000 49		51	6 2000-5000 25 > 5000 4	

HLA specificities from Lifecodes kit users only

	DR1404			DR8			DR9			DR51			DR52			DR53			DQ6			DQ7			DQ8			DQ9			DQ4		
Consensus	Not Assessed			Present						Present			Present						Present			Present			Present			Present			Present		
% reported	72.7%			100.0%			0.0%			90.9%			90.9%			0.0%			100.0%			90.9%			90.9%			90.9%			81.8%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
100	DR1404	L	2000-5000	DR8	L	2000-5000				DR51	L	< 2000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	< 2000
112	DR1404	L	2000-5000	DR8	L	2000-5000				DR51	L	< 2000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	< 2000
149				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
185	DR1404	L	< 2000	DR8	L	< 2000				DR51	L	< 2000	DR52	L	< 2000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
218	DR1404	L	2000-5000	DR8	L	2000-5000				DR51	L	< 2000	DR52	L	> 5000				DQ6	L	2000-5000	DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	< 2000
229	DR1404	L	2000-5000	DR8	L	2000-5000													DQ6	L	2000-5000												
238	DR1404	L	2000-5000	DR8	L	2000-5000				DR51	L	< 2000	DR52	L	> 5000				DQ6	L	2000-5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	< 2000
262				DR8	L	2000-5000				DR51	L	< 2000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	< 2000
268				DR8	L	> 5000				DR51	L	> 5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	> 5000
297	DR1404	L	2000-5000	DR8	L	> 5000				DR51	L	< 2000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	< 2000
309	DR1404	L	> 5000	DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	< 2000
	8	< 2000		11	< 2000		0	< 2000		10	< 2000		10	< 2000		0	< 2000		11	< 2000		10	< 2000		10	< 2000		10	< 2000		9	< 2000	
Number r Total number	11	1 2000-5000 6 > 5000 1		11	1 2000-5000 6 > 5000 4		11	0 2000-5000 0 > 5000 0		11	7 2000-5000 2 > 5000 1		11	1 2000-5000 0 > 5000 9		11	0 2000-5000 0 > 5000 0		11	0 2000-5000 3 > 5000 8		11	0 2000-5000 1 > 5000 9		11	0 2000-5000 1 > 5000 9		11	0 2000-5000 1 > 5000 9		11	7 2000-5000 1 > 5000 1	

HLA specificities from users of both LABScreen & Lifecodes kits

	DR1404			DR8			DR9			DR51			DR52			DR53			DQ6			DQ7			DQ8			DQ9			DQ4		
Consensus	Not Assessed			Present						Present			Present						Present			Present			Present			Present			Present		
% reported	22.2%			100.0%			0.0%			100.0%			100.0%			0.0%			100.0%			100.0%			100.0%			100.0%			88.9%		
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
24				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
25				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
28				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	< 2000
34				DR8	L	> 5000				DR51	L	< 2000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
48				DR8	L	> 5000				DR51	L	> 5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
58	DR1404	L	> 5000	DR8	L	2000-5000				DR51	L	2000-5000	DR52	L	2000-5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
186				DR8	L	2000-5000				DR51	L	< 2000	DR52	L	> 5000				DQ6	L	2000-5000	DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	< 2000
227				DR8	L	> 5000				DR51	L	2000-5000	DR52	L	> 5000				DQ6	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	2000-5000
267	DR1404	L		DR8	L					DR51	L		DR52	L					DQ6	L		DQ7	L		DQ8	L		DQ9	L		DQ4	L	< 2000
	2	< 2000		9	< 2000		0	< 2000		9	< 2000		9	< 2000		0	< 2000		9	< 2000		9	< 2000		9	< 2000		9	< 2000		8	< 2000	
Number r Total number	9	0 2000-5000 0 > 5000 1		9	0 2000-5000 2 > 5000 6		9	0 2000-5000 0 > 5000 0		9	2 2000-5000 5 > 5000 1		9	0 2000-5000 1 > 5000 7		9	0 2000-5000 0 > 5000 0		9	0 2000-5000 1 > 5000 7		9	0 2000-5000 1 > 5000 7		9	0 2000-5000 1 > 5000 7		9	0 2000-5000 1 > 5000 7		9	3 2000-5000 5 > 5000 0	

UKNEQAS for HISTOCOMPATIBILITY and IMMUNOGENETICS
UNITED KINGDOM EXTERNAL QUALITY ASSESSMENT SERVICE

UK NEQAS FOR H&I SCHEME 3 - HLA ANTIBODY IDENTIFICATION **RESUTLS BY LUMINEX KIT(S) USED**

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 308/2014 DESPATCHED ON 17TH JUNE 2014

HLA specificities from all participants

	DR1	DR103	DR15	DR16	DR4	DR11	DR12	DR13	DR14	DR1404
Consensus	Present	Present	Present	Present	Present	Present	Absent	Present	Present	Not Assessed
% reported	98.6%	94.5%	97.3%	84.9%	100.0%	94.5%	2.7%	87.7%	98.6%	12.3%

HLA specificities from One Lambda kit users only

	DR1			DR103			DR15			DR16			DR4			DR11			DR12			DR13			DR14			DR1404		
Consensus	Present			Present			Present			Present			Present			Present			Absent			Present			Present					
% reported	100.0%			96.1%			98.0%			80.4%			100.0%			92.2%			2.0%			88.2%			98.0%			0.0%		
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	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	2000-5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	< 2000				DR13	L	2000-5000	DR14	L	> 5000			
11	DR1	L	> 5000	DR103	L	< 2000	DR15	L	2000-5000				DR4	L	> 5000	DR11	L	< 2000							DR14	L	2000-5000			
12	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	> 5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	> 5000			
14	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	> 5000				DR4	L	> 5000	DR11	L	< 2000				DR13	L	2000-5000	DR14	L	> 5000			
15	DR1	L	> 5000	DR103	L	< 2000	DR15	L	2000-5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	2000-5000			
19	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	2000-5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	2000-5000			
20	DR1	L	> 5000	DR103	L	< 2000	DR15	L	> 5000	DR16	L	< 2000	DR4	C+L	> 5000	DR11	L	< 2000				DR13	L	< 2000	DR14	L	2000-5000			
23	DR1	L	> 5000	DR103	L	< 2000	DR15	L	2000-5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	< 2000				DR13	L	< 2000	DR14	L	> 5000			
26	DR1	L	> 5000				DR15	L	2000-5000				DR4	L	> 5000							DR13	L	< 2000	DR14	L	2000-5000			
35	DR1	L	> 5000	DR103	L	< 2000	DR15	L	2000-5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	< 2000				DR13	L	< 2000	DR14	L	2000-5000			
38	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	> 5000	DR16	L	2000-5000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	> 5000	DR14	L	> 5000			
39	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	> 5000	DR16	L	2000-5000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	> 5000			
41	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	> 5000	DR16	L	2000-5000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	> 5000			
42	DR1	L	> 5000	DR103	L	< 2000	DR15	L	2000-5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	< 2000				DR13	L	2000-5000	DR14	L	> 5000			
45	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	2000-5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	> 5000			
51	DR1	L	> 5000	DR103	L	< 2000	DR15	L	2000-5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	> 5000			
54	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	2000-5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	< 2000				DR13	L	< 2000	DR14	L	> 5000			
62	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	> 5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	> 5000			
114	DR1	L	> 5000	DR103	L	< 2000	DR15	L	2000-5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	< 2000				DR13	L	< 2000	DR14	L	> 5000			
116	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	> 5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	> 5000			
117	DR1	E+L	> 5000	DR103	L	2000-5000	DR15	E+L	> 5000	DR16	E+L	< 2000	DR4	E+L	> 5000	DR11	E+L	< 2000				DR13	E+L	2000-5000	DR14	E+L	> 5000			
119	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	> 5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	< 2000				DR13	L	2000-5000	DR14	L	> 5000			
120	DR1	L	2000-5000,> 5000	DR103	L	< 2000	DR15	L	2000-5000				DR4	L	> 5000	DR11	L	< 2000				DR13	L	< 2000	DR14	L	2000-5000			
136	DR1	L	> 5000	DR4	L	2000-5000	DR15	L	> 5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	> 5000			
139	DR1	L	> 5000	DR103	L	< 2000	DR15	L	2000-5000				DR4	L	> 5000	DR11	L	< 2000							DR14	L	2000-5000			
142	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	2000-5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	> 5000			
143	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	> 5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	< 2000				DR13	L	2000-5000	DR14	L	> 5000			
145	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	2000-5000, > 5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	< 2000, 2000-5000				DR13	L	< 2000	DR14	L	> 5000			
147	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	> 5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	< 2000				DR13	L	2000-5000	DR14	L	> 5000			
157	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	> 5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	> 5000			
159	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	> 5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	< 2000	DR14	L	> 5000			
162	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	> 5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	> 5000			
164	DR1	L	> 5000				DR15	L	> 5000				DR4	L	> 5000										DR14	L	> 5000			
165	DR1	F+E+L	> 5000	DR103	F+L	> 5000	DR15	F+E+L	> 5000	DR16	F+E+L	2000-5000	DR4	F+E+L	> 5000	DR11	F+L	> 5000	DR12	E		DR13	F+L	2000-5000	DR14	L	> 5000			
169	DR1	L	> 5000	DR103	L	< 2000	DR15	L	2000-5000				DR4	L	> 5000	DR11	L	< 2000							DR14	L	2000-5000			
181	DR1	L	> 5000	DR103	L	< 2000	DR15	L	2000-5000				DR4	L	> 5000	DR11	L	< 2000				DR13	L	< 2000	DR14	L	2000-5000			
190	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	> 5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	> 5000			
193	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	> 5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	< 2000				DR13	L	2000-5000	DR14	L	> 5000			
194	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	2000-5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	> 5000			
195	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	> 5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	< 2000				DR13	L	2000-5000	DR14	L	> 5000			
206	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	2000-5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	2000-5000			
209	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	> 5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	> 5000			
216	DR1	L	> 5000	DR103	L	2000-5000							DR4	L	> 5000										DR14	L	> 5000			
232	DR1	L	> 5000	DR103	L	< 2000	DR15	L	2000-5000				DR4	L	> 5000	DR11	L	< 2000				DR13	L	< 2000	DR14	L	2000-5000			
235	DR1	L		DR103	L		DR15	L		DR16	L		DR4	L																
243	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	> 5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	< 2000				DR13	L	< 2000	DR14	L	> 5000			
245	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	> 5000	DR16	L	2000-5000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	> 5000			
277	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	> 5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	< 2000				DR13	L	< 2000	DR14	L	> 5000			
284	DR1	L	> 5000	DR103	L	< 2000	DR15	L	2000-5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	< 2000				DR13	L	2000-5000	DR14	L	> 5000			
303	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	> 5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	> 5000			
311	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	> 5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	> 5000			
	51	< 2000		49	< 2000		50	< 2000		41	< 2000		51	< 2000		47	< 2000		1	< 2000		45	< 2000		50	< 2000		0	< 2000	
Number r																														
Total number	51	0		51	14		51	0		51	35		51	0		51	23		51	0		51	13		51	0		51	0	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		0			33			21			5			0			22			0			31			12			0	
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		50			1			28			0			50			1			0			1			38			0	

HLA specificities from Lifecodes kit users only

	DR1			DR103			DR15			DR16			DR4			DR11			DR12			DR13			DR14			DR1404		
Consensus	Present			Present			Present			Present			Present			Present			Not Assessed			Present			Present			Not Assessed		
% reported	100.0%			90.9%			100.0%			100.0%			100.0%			100.0%			9.1%			90.9%			100.0%			72.7%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
100	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	2000-5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	2000-5000	DR1404	L	2000-5000
112	DR1	L	> 5000	DR103	L	< 2000	DR15	L	< 2000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	< 2000				DR13	L	< 2000	DR14	L	2000-5000	DR1404	L	2000-5000
149	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	2000-5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000							DR14	L	2000-5000	DR1404	L	> 5000
185	DR1	L	2000-5000	DR103	L	< 2000	DR15	L	2000-5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	< 2000	DR14	L	2000-5000	DR1404	L	2000-5000
218	DR1	L	2000-5000	DR103	L	< 2000	DR15	L	2000-5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000	DR12	L	< 2000	DR13	L	< 2000	DR14	L	2000-5000	DR1404	L	2000-5000
229	DR1	L	< 2000				DR15	L	< 2000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	< 2000				DR13	L	< 2000	DR14	L	2000-5000	DR1404	L	< 2000
238	DR1	L	> 5000	DR103	L	< 2000	DR15	L	2000-5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	2000-5000			
262	DR1	L	> 5000	DR103	L	< 2000	DR15	L	2000-5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	< 2000	DR14	L	2000-5000			
268	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	2000-5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	> 5000				DR13	L	2000-5000	DR14	L	2000-5000			
297	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	2000-5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	> 5000	DR1404	L	2000-5000
309	DR1	L	2000-5000	DR103	L	< 2000	DR15	L	2000-5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	< 2000	DR14	L	2000-5000	DR1404	L	2000-5000
	11	< 2000		10	< 2000		11	< 2000		11	< 2000		11	< 2000		11	< 2000		1	< 2000		10	< 2000		11	< 2000		8	< 2000	
Number r																														
Total number	11	1		11	6		11	2		11	11		11	0		11	2		11	1		11	6		11	0		11	1	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		3			4			9			0			0			8			0			4			10			6	
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		7			0			0			0			11			1			0			0			1			1	

HLA specificities from users of both LABScreen & Lifecodes kits

	DR1			DR103			DR15			DR16			DR4			DR11			DR12			DR13			DR14			DR1404		
Consensus	Present			Present			Present			Present			Present			Present						Present			Present			Not Assessed		
% reported	100.0%			100.0%			100.0%			88.9%			100.0%			100.0%			0.0%			88.9%			100.0%			11.1%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
24	DR1	L	> 5000	DR103	L	< 2000	DR15	L	2000-5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	< 2000				DR13	L	2000-5000	DR14	L	> 5000			
25	DR1	L	> 5000	DR103	L	< 2000	DR15	L	2000-5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	< 2000				DR13	L	2000-5000	DR14	L	2000-5000			
28	DR1	L	> 5000	DR103	L	< 2000	DR15	L	2000-5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	> 5000			
34	DR1	L	> 5000	DR103	L	< 2000	DR15	L	2000-5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	2000-5000			
48	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	> 5000	DR16	L	2000-5000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	2000-5000	DR14	L	> 5000			
58	DR1	L	> 5000	DR103	L	< 2000	DR15	L	2000-5000				DR4	L	> 5000	DR11	L	< 2000				DR13	L	< 2000	DR14	L	2000-5000			
186	DR1	L	> 5000	DR103	L	< 2000	DR15	L	2000-5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000				DR13	L	< 2000	DR14	L	2000-5000			
227	DR1	L	> 5000	DR103	L	2000-5000	DR15	L	> 5000	DR16	L	< 2000	DR4	L	> 5000	DR11	L	2000-5000							DR14	L	> 5000			
267	DR1	L		DR103	L		DR15	L		DR16	L		DR4	L		DR11	L					DR13	L		DR14	L		DR1404	L	
	9	< 2000		9	< 2000		9	< 2000		8	< 2000		9	< 2000		9	< 2000		0	< 2000		8	< 2000		9	< 2000		1	< 2000	
Number r																														
Total number	9	0		9	6		9	0		9	6		9	0		9	3		9	0		9	2		9	0		9	0	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		0			2			6			1			0			5			0			5			4			0	
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		8			0			2			0			8			0			0			0			4			0	

UKNEQAS for HISTOCOMPATIBILITY and IMMUNOGENETICS
UNITED KINGDOM EXTERNAL QUALITY ASSESSMENT SERVICE

UK NEQAS FOR H&I SCHEME 3 - HLA ANTIBODY IDENTIFICATION **RESUTLS BY LUMINEX KIT(S) USED**

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 308/2014 DESPATCHED ON 17TH JUNE 2014

HLA specificities from all participants

	DR7	DR8	DR9	DR10	DR51	DR53	DQ2	DQ7	DQ8	DQ9	DQ4
Consensus	Present	Not Assessed	Present	Present	Present	Present	Absent	Present	Present	Present	Absent
% reported	87.7%	65.8%	98.6%	100.0%	91.8%	94.5%	1.4%	97.3%	97.3%	95.9%	1.4%

HLA specificities from One Lambda kit users only

	DR7			DR8			DR9			DR10			DR51			DR53			DQ2			DQ7			DQ8			DQ9			DQ4		
Consensus	Present			Not Assessed			Present			Present			Present			Present			Absent			Present			Present			Present			Absent		
% reported	84.3%			58.8%			100.0%			100.0%			96.1%			96.1%			2.0%			98.0%			98.0%			98.0%			2.0%		
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
9	DR7	L	< 2000	DR8	L	< 2000	DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
11							DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	< 2000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
12	DR7	L	< 2000	DR8	L	< 2000	DR9	L	> 5000	DR10	L	> 5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
14	DR7	L	< 2000				DR9	L	2000-5000	DR10	L	> 5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
15	DR7	L	< 2000	DR8	L	< 2000	DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	< 2000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
19	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
20	DR7	L	< 2000	DR8	L	< 2000	DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000	DQ2	L	> 5000	DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
23	DR7	L	< 2000				DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
26							DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	< 2000	DR53	L	2000-5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
35	DR7	L	< 2000				DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
38	DR7	L	2000-5000	DR8	L	2000-5000	DR9	L	> 5000	DR10	L	> 5000	DR51	L	> 5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
39	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	> 5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
41	DR7	L	2000-5000				DR9	L	> 5000	DR10	L	> 5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
42	DR7	L	< 2000	DR8	L	< 2000	DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
45	DR7	L	< 2000	DR8	L	< 2000	DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
51	DR7	L	< 2000	DR8	L	< 2000	DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
54	DR7	L	< 2000				DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
62	DR7	L	2000-5000	DR8	L	< 2000	DR9	L	> 5000	DR10	L	> 5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
114	DR7	L	< 2000				DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
116	DR7	L	< 2000	DR8	L	< 2000	DR9	L	> 5000	DR10	L	> 5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
117	DR7	E+L	< 2000	DR8	E+L	< 2000	DR9	E+L	2000-5000	DR10	E+L	2000-5000	DR51	E+L	2000-5000	DR53	E+L	> 5000				DQ7	E+L	> 5000	DQ8	E+L	> 5000	DQ9	E+L	> 5000			
119	DR7	L	< 2000				DR9	L	2000-5000, > 5000	DR10	L	> 5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
120	DR7	L	< 2000				DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	< 2000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
136	DR7	L	2000-5000	DR4	L	< 2000	DR9	L	> 5000	DR10	L	> 5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
139							DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
142	DR7	L	< 2000	DR8	L	< 2000	DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
143	DR7	L	< 2000				DR9	L	2000-5000	DR10	L	> 5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
145	DR7	L	< 2000				DR9	L	2000-5000	DR10	L	> 5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
147	DR7	L	< 2000				DR9	L	2000-5000	DR10	L	> 5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
157	DR7	L	< 2000	DR8	L	< 2000	DR9	L	2000-5000	DR10	L	> 5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
159	DR7	L	2000-5000	DR8	L	< 2000	DR9	L	2000-5000	DR10	L	> 5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
162	DR7	L	2000-5000	DR8	L	< 2000	DR9	L	> 5000	DR10	L	> 5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
164							DR9	L	> 5000	DR10	L	> 5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
165	DR7	F+E+L	2000-5000	DR8	F+E+L	< 2000	DR9	F+E+L	> 5000	DR10	F+E+L	> 5000	DR51	E+L	> 5000	DR53	F+E+L	> 5000				DQ7	F+E+L	> 5000	DQ8	F+E+L	> 5000	DQ9	F+E+L	> 5000			
169							DR9	L	< 2000	DR10	L	2000-5000	DR51	L	< 2000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
181	DR7	L	< 2000	DR8	L	< 2000	DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	< 2000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
190	DR7	L	< 2000	DR8	L	< 2000	DR9	L	> 5000	DR10	L	> 5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
193	DR7	L	< 2000				DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
194	DR7	L	< 2000	DR8	L	< 2000	DR9	L	> 5000	DR10	L	> 5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
195	DR7	L	< 2000	DR8	L	< 2000	DR9	L	> 5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
206	DR7	L	< 2000	DR8	L	< 2000	DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
209	DR7	L	< 2000	DR8	L	< 2000	DR9	L	> 5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000	DQ4	L	< 2000
216				DR8	L	> 5000	DR9	L	> 5000	DR10	L	2000-5000																					
232							DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
235				DR8	L		DR9	L		DR10	L											DQ7	L		DQ8	L		DQ9	L				
243	DR7	L	< 2000				DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
245	DR7	L	2000-5000	DR8	L	2000-5000	DR9	L	> 5000	DR10	L	> 5000	DR51	L	> 5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
277	DR7	L	< 2000	DR8	L	< 2000	DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
284	DR7	L	< 2000				DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
303	DR7	L	2000-5000	DR8	L	< 2000	DR9	L	> 5000	DR10	L	> 5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
311	DR7	L	< 2000				DR9	L	> 5000	DR10	L	> 5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
	43		< 2000	30		< 2000	51		< 2000	51		< 2000	49		< 2000	49		< 2000	1		< 2000	50		< 2000	50		< 2000	50		< 2000	1		< 2000
Number r																																	
Total number	51	34		51	24		51	1		51	0		51	6		51	0		51	0		51	0		51	0		51	0		51	1	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000
		9			4			30			29			40			1			0			0			0			0			0		
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000
		0			1			19			21			3			48			1			49			49			49			0		

HLA specificities from Lifecodes kit users only

	DR7			DR8			DR9			DR10			DR51			DR53			DQ2			DQ7			DQ8			DQ9			DQ4		
Consensus	Present			Present			Present			Present			Present			Present			Present			Present			Present			Present			Present		
% reported	100.0%			90.9%			100.0%			100.0%			90.9%			90.9%			0.0%			90.9%			90.9%			90.9%			0.0%		
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
100	DR7	L	< 2000	DR8	L	2000-5000	DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
112	DR7	L	< 2000	DR8	L	< 2000	DR9	L	2000-5000	DR10	L	< 2000	DR51	L	< 2000	DR53	L	2000-5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
149	DR7	L	2000-5000				DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
185	DR7	L	< 2000	DR8	L	< 2000	DR9	L	< 2000	DR10	L	< 2000	DR51	L	< 2000	DR53	L	< 2000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	2000-5000			
218	DR7	L	< 2000	DR8	L	< 2000	DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	< 2000	DR53	L	2000-5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
229	DR7	L	< 2000	DR8	L	< 2000	DR9	L	< 2000	DR10	L	< 2000																					
238	DR7	L	< 2000	DR8	L	< 2000	DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
262	DR7	L	< 2000	DR8	L	< 2000	DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	< 2000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
268	DR7	L	2000-5000	DR8	L	2000-5000	DR9	L	> 5000	DR10	L	> 5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
297	DR7	L	< 2000	DR8	L	< 2000	DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
309	DR7	L	< 2000	DR8	L	< 2000	DR9	L	2000-5000	DR10	L	< 2000	DR51	L	< 2000	DR53	L	2000-5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
	11		< 2000	10		< 2000	11		< 2000	11		< 2000	10		< 2000	10		< 2000	0		< 2000	10		< 2000	10		< 2000	10		< 2000	0		< 2000
Number r																																	
Total number	11	9		11	8		11	2		11	4		11	5		11	1		11	0		11	0		11	0		11	0		11	0	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000
		2			2			8			6			5			3			0			0			0			1			0		
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000
		0			0			1			1			0			6			0			10			10			9			0		

HLA specificities from users of both LABScreen & Lifecodes kits

	DR7			DR8			DR9			DR10			DR51			DR53			DQ2			DQ7			DQ8			DQ9			DQ4		
Consensus	Present			Present			Present			Present			Present			Present			Present			Present			Present			Present			Present		
% reported	100.0%			88.9%			100.0%			100.0%			88.9%			100.0%			0.0%			100.0%			100.0%			100.0%			0.0%		
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
24	DR7	L	< 2000	DR8		< 2000	DR9	L	> 5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
25	DR7	L	< 2000	DR8	L	< 2000	DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
28	DR7	L	< 2000	DR8	L	< 2000	DR9	L	> 5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
34	DR7	L	< 2000	DR8	L	< 2000	DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
48	DR7	L	2000-5000	DR8	L	2000-5000	DR9	L	> 5000	DR10	L	> 5000	DR51	L	> 5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
58	DR7	L	< 2000				DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	2000-5000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
186	DR7	L	< 2000	DR8	L	< 2000	DR9	L	2000-5000	DR10	L	2000-5000	DR51	L	< 2000	DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
227	DR7	L	< 2000	DR8	L	< 2000	DR9	L	> 5000	DR10	L	> 5000				DR53	L	> 5000				DQ7	L	> 5000	DQ8	L	> 5000	DQ9	L	> 5000			
267	DR7	L		DR8	L		DR9	L		DR10	L		DR51	L		DR53	L					DQ7	L		DQ8	L		DQ9	L				
	9		< 2000	8		< 2000	9		< 2000	9		< 2000	8		< 2000	9		< 2000	0		< 2000	9		< 2000	9		< 2000	9		< 2000	0		< 2000
Number r																																	
Total number	9	7		9	6		9	0		9	0		9	1		9	0		9	0		9	0		9	0		9	0		9	0	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000
		1			1			4			6			5			0			0			0			0			0			0		
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000
		0			0			4			2			1			8			0			8			8			8			0		

UKNEQAS for HISTOCOMPATIBILITY and IMMUNOGENETICS
UNITED KINGDOM EXTERNAL QUALITY ASSESSMENT SERVICE

UK NEQAS FOR H&I SCHEME 3 - HLA ANTIBODY IDENTIFICATION **RESUTLS BY LUMINEX KIT(S) USED**

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 309/2014 DESPATCHED ON 17TH JUNE 2014

HLA specificities from all participants

	DR103	DR16	DR17	DR18	DR4	DR11	DR12
Consensus	Absent	Absent	Not Assessed	Not Assessed	Not Assessed	Present	Not Assessed
% reported	1.4%	1.4%	72.6%	65.8%	67.1%	94.5%	31.5%

HLA specificities from One Lambda kit users only

	DR103			DR16			DR17			DR18			DR4			DR11			DR12		
Consensus				Absent			Not Assessed			Not Assessed			Present			Present			Not Assessed		
% reported	0.0%			2.0%			70.6%			62.7%			82.4%			92.2%			31.4%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9							DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000	DR12	L	< 2000
11																					
12				DR16	L	< 2000	DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	2000-5000	DR12	L	< 2000
14													DR4	L	< 2000	DR11	L	< 2000			
15							DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000			
19							DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	2000-5000			
20							DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000			
23							DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	2000-5000			
26													DR4	L	< 2000	DR11	L	< 2000			
35							DR17	L	< 2000	DR18	L	< 2000				DR11	L	< 2000	DR12	L	< 2000
38							DR17	L	2000-5000	DR18	L	2000-5000	DR4	L	2000-5000	DR11	L	2000-5000	DR12	L	< 2000
39													DR4	L	< 2000	DR11	L	< 2000			
41							DR17	L	2000-5000				DR4	L	2000-5000	DR11	L	2000-5000			
42							DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000	DR12	L	< 2000
45													DR4	L	< 2000						
51							DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000			
54							DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000			
62													DR4	L	2000-5000	DR11	L	2000-5000			
114							DR17	L	< 2000	DR18	L	< 2000	DR4	L	2000-5000	DR11	L	2000-5000			
116							DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000			
117							DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	E+L	< 2000			
119							DR17	L	2000-5000	DR18	L	< 2000	DR4	L	2000-5000, > 5000	DR11	L	2000-5000	DR12	L	< 2000
120							DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000			
136				DR4			DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	2000-5000	DR12	L	< 2000
139																DR11	L	< 2000			
142													DR4	L	< 2000	DR11	L	< 2000			
143							DR17	L	< 2000	DR18	L	< 2000	DR4	L	2000-5000	DR11	L	2000-5000	DR12	L	< 2000
145							DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000	DR12	L	< 2000
147							DR17	L	< 2000	DR18	L	< 2000	DR4	L	2000-5000	DR11	L	2000-5000	DR12	L	< 2000
157							DR17	L	< 2000				DR4	L	< 2000	DR11	L	< 2000			
159													DR4	L	< 2000	DR11	L	< 2000			
162							DR17	L	< 2000	DR18	L	< 2000	DR4	L	2000-5000	DR11	L	2000-5000	DR12	L	< 2000
164																					
165							DR17	F+E+L	2000-5000	DR18	F+E+L	< 2000	DR4	L	< 2000	DR11	F+E+L	2000-5000			
169													DR4	L	< 2000						
181							DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000	DR12	L	< 2000
190							DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000			
193							DR17	L	< 2000							DR11	L	< 2000			
194							DR17	L	< 2000				DR4	L	< 2000	DR11	L	< 2000			
195							DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000			
206																DR11	L	< 2000			
209							DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000	DR12	L	< 2000
216																DR11	L	< 2000			
232							DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000	DR12	L	< 2000
235							DR17	L		DR18	L					DR11	L				
243							DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	2000-5000			
245							DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000	DR12	L	< 2000
277							DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000	DR12	L	< 2000
284													DR4	L	< 2000	DR11	L	< 2000			
303							DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	2000-5000			
311																DR11	L	< 2000			
	0	< 2000		1	< 2000		36	< 2000		32	< 2000		42	< 2000		47	< 2000		16	< 2000	
Number r																					
Total number	51	0		51	1		51	31		51	30		51	34		51	31		51	16	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		0			0			4			1			7			15			0	
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0			0			0			0			1			0			0	

HLA specificities from Lifecodes kit users only

	DR103			DR16			DR17			DR18			DR4			DR11			DR12		
Consensus	Not Assessed						Present			Present			Not Assessed			Present			Not Assessed		
% reported	9.1%			0.0%			81.8%			90.9%			9.1%			100.0%			36.4%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
100							DR17	L	< 2000	DR18	L	< 2000				DR11	L	< 2000	DR12	L	< 2000
112							DR17	L	< 2000	DR18	L	< 2000				DR11	L	< 2000			
149							DR17	L	< 2000	DR18	L	< 2000	DR4	L		DR11	L	< 2000			
185							DR17	L	< 2000	DR18	L	< 2000				DR11	L	< 2000	DR12	L	< 2000
218							DR17	L	< 2000	DR18	L	< 2000				DR11	L	< 2000	DR12	L	< 2000
229	DR103	L	< 2000													DR11	L	< 2000			
238							DR17	L	< 2000	DR18	L	< 2000				DR11	L	< 2000			
262							DR17	L	< 2000	DR18	L	< 2000				DR11	L	< 2000			
268										DR18	L	< 2000				DR11	L	< 2000			
297							DR17	L	< 2000	DR18	L	< 2000				DR11	L	< 2000	DR12	L	< 2000
309							DR17	L	< 2000	DR18	L	< 2000				DR11	L	< 2000			
	1	< 2000		0	< 2000		9	< 2000		10	< 2000		1	< 2000		11	< 2000		4	< 2000	
Number r																					
Total number	11	1		11	0		11	9		11	10		11	0		11	11		11	4	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		0			0			0			0			0			0			0	
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0			0			0			0			0			0			0	

HLA specificities from users of both LABScreen & Lifecodes kits

	DR103			DR16			DR17			DR18			DR4			DR11			DR12		
Consensus							Present			Not Assessed			Not Assessed			Present			Not Assessed		
% reported	0.0%			0.0%			77.8%			66.7%			55.6%			100.0%			33.3%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
24							DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000			
25													DR4	L	< 2000	DR11	L	< 2000			
28							DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000	DR12	L	< 2000
34							DR17	L	< 2000	DR18	L	< 2000	DR4	L	< 2000	DR11	L	< 2000			
48							DR17	L	2000-5000							DR11	L	2000-5000	DR12	L	< 2000
58													DR4	L	< 2000	DR11	L	< 2000			
186							DR17	L	< 2000	DR18	L	< 2000				DR11	L	< 2000			
227							DR17	L	< 2000	DR18	L	< 2000				DR11	L	< 2000	DR12	L	< 2000
267							DR17	L		DR18	L					DR11	L				
	0	< 2000		0	< 2000		7	< 2000		6	< 2000		5	< 2000		9	< 2000		3	< 2000	
Number r																					
Total number	9	0		9	0		9	5		9	5		9	5		9	7		9	3	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		0			0			1			0			0			1			0	
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0			0			0			0			0			0			0	

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UK NEQAS FOR H&I SCHEME 3 - HLA ANTIBODY IDENTIFICATION **RESUTLS BY LUMINEX KIT(S) USED**

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 309/2014 DESPATCHED ON 17TH JUNE 2014

HLA specificities from all participants

	DR13	DR14	DR1404	DR8	DR52	DQ2	DQ4
Consensus	Present	Present	Not Assessed	Present	Absent	Absent	Absent
% reported	95.9%	95.9%	11.0%	97.3%	4.1%	1.4%	2.7%

HLA specificities from One Lambda kit users only

	DR13			DR14			DR1404			DR8			DR52			DQ2			DQ4		
Consensus	Present			Present						Present			Absent						Absent		
% reported	94.1%			96.1%			0.0%			96.1%			2.0%			0.0%			2.0%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9	DR13	L	< 2000	DR14	L	< 2000				DR8	L	< 2000									
11	DR13	L	< 2000	DR14	L	< 2000				DR8	L	< 2000									
12	DR13	L	2000-5000	DR14	L	2000-5000				DR8	L	2000-5000									
14	DR13	L	2000-5000	DR14	L	< 2000				DR8	L	< 2000									
15	DR13	L	< 2000	DR14	L	< 2000				DR8	L	2000-5000									
19	DR13	L	< 2000	DR14	L	2000-5000				DR8	L	2000-5000									
20	DR13	L	< 2000	DR14	L	< 2000				DR8	L	< 2000									
23	DR13	L	2000-5000	DR14	L	2000-5000				DR8	L	2000-5000									
26	DR13	L	< 2000	DR14	L	< 2000				DR8	L	< 2000									
35	DR13	L	< 2000	DR14	L	< 2000				DR8	L	< 2000									
38	DR13	L	2000-5000	DR14	L	2000-5000				DR8	L	2000-5000									
39	DR13	L	< 2000	DR14	L	< 2000				DR8	L	< 2000									
41	DR13	L	2000-5000	DR14	L	2000-5000				DR8	L	2000-5000									
42	DR13	L	< 2000	DR14	L	< 2000				DR8	L	< 2000									
45	DR13	L	< 2000	DR14	L	< 2000				DR8	L	< 2000									
51	DR13	L	< 2000	DR14	L	< 2000				DR8	L	< 2000									
54	DR13	L	< 2000	DR14	L	< 2000				DR8	L	< 2000									
62	DR13	L	2000-5000	DR14	L	2000-5000				DR8	L	2000-5000									
114	DR13	L	2000-5000	DR14	L	2000-5000				DR8	L	2000-5000									
116	DR13	L	< 2000	DR14	L	2000-5000				DR8	L	2000-5000									
117	DR13	L	< 2000	DR14	L	< 2000				DR8	E+L	< 2000									
119	DR13	L	2000-5000	DR14	L	< 2000, 2000-5000				DR8	L	2000-5000									
120	DR13	L	< 2000	DR14	L	< 2000				DR8	L	< 2000									
136	DR13	L	2000-5000	DR4	L	2000-5000				DR8	L	2000-5000									
139										DR8	L	< 2000									
142	DR13	L	< 2000	DR14	L	< 2000				DR8	L	< 2000									
143	DR13	L	2000-5000	DR14	L	2000-5000				DR8	L	2000-5000									
145	DR13	L	< 2000	DR14	L	< 2000, 2000-5000				DR8	L	2000-5000									
147	DR13	L	2000-5000	DR14	L	2000-5000				DR8	L	2000-5000									
157	DR13	L	< 2000	DR14	L	< 2000				DR8	L	2000-5000									
159	DR13	L	2000-5000	DR14	L	2000-5000				DR8	L	2000-5000									
162	DR13	L	2000-5000	DR14	L	2000-5000				DR8	L	2000-5000									
164																					
165	DR13	F+E+L	2000-5000	DR14	F+E+L	2000-5000				DR8	F+E+L	2000-5000									
169				DR14	L	< 2000				DR8	L	< 2000									
181	DR13	L	< 2000	DR14	L	< 2000				DR8	L	< 2000									
190	DR13	L	2000-5000	DR14	L	2000-5000				DR8	L	< 2000									
193	DR13	L	2000-5000	DR14	L	2000-5000				DR8	L	< 2000									
194	DR13	L	< 2000	DR14	L	< 2000				DR8	L	< 2000									
195	DR13	L	2000-5000	DR14	L	2000-5000				DR8	L	2000-5000									
206	DR13	L	< 2000	DR14	L	< 2000				DR8	L	< 2000									
209	DR13	L	2000-5000	DR14	L	2000-5000				DR8	L	2000-5000									
216	DR13	L	< 2000	DR14	L	< 2000				DR8	L	2000-5000									
232	DR13	L	< 2000	DR14	L	< 2000				DR8	L	< 2000									
235	DR13	L		DR14	L								DR52	L					DQ4	L	
243	DR13	L	2000-5000	DR14	L	2000-5000				DR8	L	2000-5000									
245	DR13	L	2000-5000	DR14	L	2000-5000				DR8	L	2000-5000									
277	DR13	L	2000-5000	DR14	L	2000-5000				DR8	L	2000-5000									
284	DR13	L	< 2000	DR14	L	< 2000				DR8	L	< 2000									
303	DR13	L	2000-5000	DR14	L	2000-5000				DR8	L	2000-5000									
311	DR13	L	2000-5000	DR14	L	2000-5000				DR8	L	< 2000									
	48	< 2000		49	< 2000		0	< 2000		49	< 2000		1	< 2000		0	< 2000		1	< 2000	
Number r																					
Total number	51	24		51	23		51	0		51	24		51	0		51	0		51	0	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		23			23			0			25			0			0			0	
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0			0			0			0			0			0			0	

HLA specificities from Lifecodes kit users only

	DR13			DR14			DR1404			DR8			DR52			DQ2			DQ4		
Consensus	Present			Present			Not Assessed			Present			Not Assessed			Not Assessed					
% reported	100.0%			100.0%			63.6%			100.0%			18.2%			9.1%			0.0%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
100	DR13	L	< 2000	DR14	L	< 2000	DR1404	L	< 2000	DR8	L	< 2000	DR52	L	< 2000						
112	DR13	L	< 2000	DR14	L	< 2000	DR1404	L	< 2000	DR8	L	< 2000									
149	DR13	L	< 2000	DR14	L	< 2000	DR1404	L	< 2000	DR8	L	< 2000									
185	DR13	L	< 2000	DR14	L	< 2000	DR1404	L	< 2000	DR8	L	< 2000	DR52	L	< 2000						
218	DR13	L	< 2000	DR14	L	< 2000	DR1404	L	< 2000	DR8	L										
229	DR13	L	< 2000	DR14	L	< 2000				DR8	L	< 2000									
238	DR13	L	< 2000	DR14	L	< 2000				DR8	L	< 2000									
262	DR13	L	< 2000	DR14	L	< 2000				DR8	L	< 2000									
268	DR13	L	< 2000	DR14	L	< 2000				DR8	L	2000-5000									
297	DR13	L	< 2000	DR14	L	< 2000	DR1404	L	< 2000	DR8	L	< 2000									
309	DR13	L	< 2000	DR14	L	< 2000	DR1404	L	< 2000	DR8	L	< 2000				DQ2	L	2000-5000			
	11	< 2000		11	< 2000		7	< 2000		11	< 2000		2	< 2000		1	< 2000		0	< 2000	
Number r																					
Total number	11	11		11	11		11	7		11	9		11	2		11	0		11	0	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		0			0			0			1			0			1			0	
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0			0			0			0			0			0			0	

HLA specificities from users of both LABScreen & Lifecodes kits

	DR13			DR14			DR1404			DR8			DR52			DQ2			DQ4		
Consensus	Present			Present			Not Assessed			Present											
% reported	100.0%			100.0%			11.1%			100.0%			0.0%			0.0%			0.0%		
Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
24	DR13	L	< 2000	DR14	L	< 2000				DR8	L	< 2000									
25	DR13	L	< 2000	DR14	L	< 2000				DR8	L	< 2000									
28	DR13	L	< 2000	DR14	L	< 2000				DR8	L	< 2000									
34	DR13	L	< 2000	DR14	L	< 2000				DR8	L	< 2000									
48	DR13	L	2000-5000	DR14	L	2000-5000				DR8	L	2000-5000									
58	DR13	L	< 2000	DR14	L	< 2000				DR8	L	< 2000									
186	DR13	L	< 2000	DR14	L	< 2000				DR8	L	< 2000									
227	DR13	L	2000-5000	DR14	L	2000-5000				DR8	L	2000-5000									
267	DR13	L		DR14	L		DR1404	L		DR8	L										
	9	< 2000		9	< 2000		1	< 2000		9	< 2000		0	< 2000		0	< 2000		0	< 2000	
Number r																					
Total number	9	6		9	6		9	0		9	6		9	0		9	0		9	0	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		2			2			0			2			0			0			0	
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0			0			0			0			0			0			0	

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CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 310/2014 DESPATCHED ON 17TH JUNE 2014

HLA specificities from all participants

	DR1	DR103	DR15	DR16	DR17	DR18	DR4	DR11	DR12	DR13	DR14	DR1404	DR7
Consensus	Not Assessed	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Not Assessed	Absent
% reported	52.1%	95.9%	95.9%	95.9%	95.9%	95.9%	93.2%	97.3%	95.9%	95.9%	94.5%	11.0%	2.7%

HLA specificities from One Lambda kit users only

	DR1			DR103			DR15			DR16			DR17			DR18			DR4			DR11			DR12			DR13			DR14			DR1404			DR7		
Consensus	Not Assessed			Present			Present			Present			Present			Present			Present			Present			Present			Present			Present			Absent					
% reported	60.8%			98.0%			98.0%			98.0%			98.0%			98.0%			98.0%			98.0%			98.0%			98.0%			96.1%			0.0%			2.0%		
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
9	DR1	L	< 2000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
11				DR103	L	> 5000	DR15	L	2000-5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
12	DR1	L	< 2000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
14				DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
15				DR103	L	> 5000	DR15	L	2000-5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
19				DR103	L	> 5000	DR15	L	2000-5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
20				DR103	L	> 5000	DR15	L	2000-5000	DR16	L	> 5000	DR17	C+L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
23				DR103	L	> 5000	DR15	L	2000-5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
26				DR103	L	> 5000	DR15	L	2000-5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
35	DR1	L	< 2000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
38	DR1	L	< 2000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
39				DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
41	DR1	L	2000-5000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
42	DR1	L	< 2000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	< 2000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
45				DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
51				DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
54	DR1	L	< 2000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
62				DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
114	DR1	L	< 2000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
116	DR1	L	< 2000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
117	DR1	E+L	< 2000	DR103	E+L	> 5000	DR15	E+L	> 5000	DR16	E+L	> 5000	DR17	E+L	> 5000	DR18	E+L	> 5000	DR4	L	> 5000	DR11	E+L	> 5000	DR12	E+L	> 5000	DR13	E+L	> 5000	DR14	E+L	> 5000						
119	DR1	L	< 2000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
120	DR1	L	< 2000	DR103	L	> 5000	DR15	L	2000-5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
136	DR1	L	< 2000	DR4	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
139	DR1	L	< 2000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
142				DR103	L	> 5000	DR15	L	2000-5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
143				DR103	L	> 5000	DR15	L	2000-5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
145	DR1	L	< 2000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
147	DR1	L	< 2000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
157				DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
159				DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
162	DR1	L	< 2000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
164				DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
165	DR1	F+E+L	2000-5000	DR103	F+E+L	2000-5000	DR15	F+E+L	> 5000	DR16	F+E+L	> 5000	DR17	F+E+L	> 5000	DR18	F+E+L	> 5000	DR4	E+L	> 5000	DR11	F+E+L	> 5000	DR12	F+E+L	> 5000	DR13	F+E+L	> 5000	DR14	F+E+L	> 5000						
169				DR103	L	> 5000	DR15	L	2000-5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	2000-5000	DR4	L	2000-5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
181	DR1	L	< 2000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	2000-5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
190	DR1	L	< 2000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
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194	DR1	L	< 2000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
195	DR1	L	< 2000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
206	DR1	L	< 2000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
209	DR1	L	2000-5000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
216				DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000				DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
232				DR103	L	> 5000	DR15	L	2000-5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
235	DR1	L																	DR4	L																	DR7	L	
243	DR1	L	< 2000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000									
245	DR1	L	2000-5000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
277	DR1	L	< 2000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
284	DR1	L	< 2000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
303	DR1	L	< 2000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
311				DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
	31	< 2000		50	< 2000		50	< 2000		50	< 2000		50	< 2000		50	< 2000		50	< 2000		50	< 2000		50	< 2000		50	< 2000		49	< 2000		0	< 2000		1	< 2000	
Number r																																							
Total number	51	26		51	0		51	0		51	0		51	0		51	0		51	0		51	1		51	0		51	0		51	0		51	0		51	0	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		4			1			11			0			0			1			2			0			0			0			0			0			0	
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		0			49			39			50			50			49			47			49			50			50			49			0			0	

HLA specificities from Lifecodes kit users only

	DR1			DR103			DR15			DR16			DR17			DR18			DR4			DR11			DR12			DR13			DR14			DR1404			DR7		
Consensus	Not Assessed			Present			Present			Present			Present			Present			Present			Present			Present			Present			Present			Not Assessed					
% reported	9.1%			90.9%			90.9%			90.9%			90.9%			90.9%			81.8%			90.9%			90.9%			90.9%			90.9%			63.6%			0.0%		
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
100				DR103	L	> 5000	DR15	L	2000-5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L		DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000	DR1404	L	> 5000			
112				DR103	L	> 5000	DR15	L	2000-5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000	DR1404	L	> 5000			
149				DR103	L	> 5000	DR15	L	2000-5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
185				DR103	L	> 5000	DR15	L	< 2000	DR16	L	2000-5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000	DR1404	L	> 5000			
218	DR1	L	> 5000	DR103	L	> 5000	DR15	L	2000-5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000	DR1404	L	> 5000			
229																																							
238				DR103	L	> 5000	DR15	L	2000-5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000	DR1404	L	> 5000			
262				DR103	L	> 5000	DR15	L	2000-5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000				DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
268				DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	< 2000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
297				DR103	L	> 5000	DR15	L	2000-5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L		DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000	DR1404	L	> 5000			
309				DR103	L	> 5000	DR15	L	2000-5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000	DR1404	L	> 5000			
	1	< 2000		10	< 2000		10	< 2000		10	< 2000		10	< 2000		10	< 2000		9	< 2000		10	< 2000		10	< 2000		10	< 2000		10	< 2000		7	< 2000		0	< 2000	
Number r																																							
Total number	11	0		11	0		11	1		11	0		11	0		11	0		11	1		11	0		11	0		11	0		11	0		11	0		11	0	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		0			0			8			1			0			0			0			0			0			0			0			0			0	
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		1			10			1			9			10			10			6			10			10			10			10			7			0	

HLA specificities from users of both LABScreen & Lifecodes kits

	DR1			DR103			DR15			DR16			DR17			DR18			DR4			DR11			DR12			DR13			DR14			DR1404			DR7		
Consensus	Not Assessed			Present			Present			Present			Present			Present			Present			Present			Present			Present			Present			Not Assessed					
% reported	55.6%			100.0%			100.0%			100.0%			100.0%			100.0%			88.9%			100.0%			100.0%			100.0%			100.0%			11.1%			0.0%		
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
24	DR1	L	< 2000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
25				DR103	L	> 5000	DR15	L	2000-5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
28	DR1	L	< 2000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
34	DR1	L	< 2000	DR103	L	> 5000	DR15	L	2000-5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
48	DR1	L	2000-5000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
58				DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
186				DR103	L	> 5000	DR15	L	2000-5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
227	DR1	L	< 2000	DR103	L	> 5000	DR15	L	> 5000	DR16	L	> 5000	DR17	L	> 5000	DR18	L	> 5000	DR4	L	> 5000	DR11	L	> 5000	DR12	L	> 5000	DR13	L	> 5000	DR14	L	> 5000						
267				DR103	L		DR15	L		DR16	L		DR17	L		DR18	L					DR11	L		DR12	L		DR13	L		DR14	L		DR1404	L				
	5	< 2000		9	< 2000		9	< 2000		9	< 2000		9	< 2000		9	< 2000		8	< 2000		9	< 2000		9	< 2000		9	< 2000		9	< 2000		1	< 2000		0	< 2000	
Number r																																							
Total number	9	4		9	0		9	0		9	0		9	0		9	0		9	0		9	0		9	0		9	0		9	0		9	0		9	0	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		1			0			3			0			0			0			0			0			0			0			0			0			0	
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
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UKNEQAS for HISTOCOMPATIBILITY and IMMUNOGENETICS
UNITED KINGDOM EXTERNAL QUALITY ASSESSMENT SERVICE

UK NEQAS FOR H&I SCHEME 3 - HLA ANTIBODY IDENTIFICA RESUTLS BY LUMINEX KIT(S) USED

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 310/2014 DESPATCHED ON 17TH JUNE 2014

HLA specificities from all participants

	DR8	DR9	DR10	DR51	DR52	DR53	DQ5	DQ6	DQ2	DQ7	DQ8	DQ9	DQ4
Consensus	Present	Absent	Absent	Present	Present	Absent	Present	Present	Not Assessed	Not Assessed	Absent	Absent	Present
% reported	95.9%	1.4%	2.7%	93.2%	94.5%	1.4%	94.5%	94.5%	15.1%	17.8%	2.7%	4.1%	93.2%

HLA specificities from One Lambda kit users only

	DR8	DR9	DR10	DR51	DR52	DR53	DQ5	DQ6	DQ2	DQ7	DQ8	DQ9	DQ4
Consensus	Present	Absent	Absent	Present	Present	Absent	Present	Present	Not Assessed	Not Assessed	Absent	Absent	Present
% reported	98.0%	2.0%	3.9%	96.1%	96.1%	2.0%	96.1%	96.1%	21.6%	23.5%	3.9%	3.9%	96.1%

Lab no.	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
11	DR8	C+L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
12	DR8	L	> 5000				DR10	L	< 2000	DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
14	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000				DQ7	L	< 2000						
15	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
19	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
20	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	C+L	> 5000	DQ6	C+L	> 5000	DQ2	L	< 2000	DQ7	L	< 2000						
23	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
26	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
35	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
38	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
39	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
41	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
42	DR8	L	> 5000							DR51	L		DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
45	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
51	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
54	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000				DQ7	L	2000-5000	DQ8	L	< 2000	DQ9	L	< 2000
62	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
114	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
116	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000	DQ2	L	< 2000	DQ7	L	< 2000						
117	DR8	E+L	> 5000							DR51	E+L	> 5000	DR52	E+L	> 5000				DQ5	E+L	> 5000	DQ6	E+L	> 5000												
119	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
120	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	2000-5000, > 5000												
136	DR8	L	> 5000	DR4						DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000	DQ2	L	2000-5000	DQ7	L	2000-5000						
139	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
142	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000	DQ2	L	< 2000	DQ7	L	< 2000						
143	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
145	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
147	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
157	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
159	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
162	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
164	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
165	DR8	F+L	> 5000							DR51	F+E+L	> 5000	DR52	F+E+L	> 5000				DQ5	F+L	> 5000	DQ6	F+L	> 5000	DQ2	L	2000-5000	DQ7	L	2000-5000						
169	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
181	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
190	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
193	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
194	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000	DQ2	L	2000-5000	DQ7	L	2000-5000						
195	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000	DQ2	L	< 2000	DQ7	L	2000-5000						
206	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
209	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000	DQ2	L	2000-5000	DQ7	L	2000-5000						
216	DR8	L	> 5000																																	
232	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
235				DR9	L		DR10	L								DR53	L								DQ2	L					DQ8	L		DQ9	L	
243	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000	DQ2	L	< 2000	DQ7	L	< 2000						
245	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
277	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000	DQ2	L	< 2000	DQ7	L	< 2000						
284	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
303	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
311	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
	50	< 2000		1	< 2000		2	< 2000		49	< 2000		49	< 2000		1	< 2000		49	< 2000		49	< 2000		11	< 2000		12	< 2000		2	< 2000		2	< 2000		49	< 2000	
Number r Total number	51	0		51	0		51	1		51	0		51	0		51	0		51	0		51	0		51	6		51	6		51	1		51	1		51	0	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		0			0			0			0			0			0			0			0			4			6			0			0			0		
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		50			0			0			48			49			0			49			49			0			0			0			0			49		

HLA specificities from Lifecodes kit users only

	DR8	DR9	DR10	DR51	DR52	DR53	DQ5	DQ6	DQ2	DQ7	DQ8	DQ9	DQ4
Consensus	Present			Present	Present		Present	Present					Present
% reported	90.9%	0.0%	0.0%	90.9%	90.9%	0.0%	90.9%	90.9%	0.0%	0.0%	0.0%	0.0%	90.9%

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
100	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
112	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
149	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
185	DR8	L	> 5000							DR51	L	2000-5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
218	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
229																																				
238	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
262	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
268	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
297	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
309	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
	10	< 2000		0	< 2000		0	< 2000		10	< 2000		10	< 2000		0	< 2000		10	< 2000		10	< 2000		0	< 2000		0	< 2000		0	< 2000		0	< 2000		10	< 2000	
Number r Total number	11	0		11	0		11	0		11	0		11	0		11	0		11	0		11	0		11	0		11	0		11	0		11	0		11	0	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		0			0			0			1			0			0			0			0			0			0			0			0			1	
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		10			0			0			9			10			0			10			10			0			0			0			0			9	

HLA specificities from users of both LABScreen & Lifecodes kits

	DR8	DR9	DR10	DR51	DR52	DR53	DQ5	DQ6	DQ2	DQ7	DQ8	DQ9	DQ4
Consensus	Present			Present	Present		Present	Present					Present
% reported	100.0%	0.0%	0.0%	100.0%	100.0%	0.0%	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%	88.9%

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
24	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
25	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
28	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
34	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
48	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
58	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
186	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
227	DR8	L	> 5000							DR51	L	> 5000	DR52	L	> 5000				DQ5	L	> 5000	DQ6	L	> 5000												
267	DR8	L								DR51	L		DR52	L					DQ5	L		DQ6	L													
	9	< 2000		0	< 2000		0	< 2000		9	< 2000		9	< 2000		0	< 2000		9	< 2000		9	< 2000		0	< 2000		0	< 2000		0	< 2000		0	< 2000		8	< 2000	
Number r Total number	9	0		9	0		9	0		9	0		9	0		9	0		9	0		9	0		9	0		9	0		9	0		9	0		9	0	
		2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000			2000-5000	
		0			0			0			0			0			0			0			0			0			0			0			0			0		
		> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000			> 5000	
		8			0			0			8			8			0			8			8			0			0			0			0			7	