

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

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 306/2015

DESPATCHED ON 23rd JUNE 2015

HLA specificity for assessment		DR15		DR16		DR18		DR10		DR51		DR53		DQ5		DQ6		DQ4							
Consensus % reported	Present 92.4%	tech	MFI	tech	MFI	tech	MFI	tech	MFI	tech	MFI	tech	MFI	tech	MFI	tech	MFI	tech	MFI						
9	DR15	L	2000-5000	DR16	L	2000-5000		DR10	L	>5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000		
11	DR15	L	<2000	DR16	L	<2000		DR10	L	2000-5000		DR53	L	<2000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	2000-5000		
12	DR15	L	2000-5000	DR16	L	<2000	DR18	L	2000-5000	DR10	L	>5000		DR53	L	<2000, 2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	2000-5000, >5000
14	DR15	L	2000-5000	DR16	L	2000-5000		DR10	L	>5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000		
15	DR15	L	<2000	DR16	L	<2000	DR18	L	<2000	DR10	L	2000-5000		DR53	L	<2000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	2000-5000
19	DR15	L	<2000	DR16	L	<2000	DR18	L	<2000	DR10	L	<2000		DR53	L	<2000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	2000-5000
20	DR15	L	2000-5000	DR16	L	<2000	DR18	L	<2000	DR10	L	2000-5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000
23	DR15	L	2000-5000	DR16	L	2000-5000		DR10	L	>5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000		
24	DR15	L	<2000	DR16	L	<2000	DR18	L	<2000	DR10	L	2000-5000		DR53	L	<2000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	2000-5000
25	DR15	L	2000-5000	DR16	L	<2000	DR18	L	2000-5000	DR10	L	2000-5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000
26	DR15	L	<2000	DR16	L	<2000	DR18	L	<2000	DR10	L	2000-5000		DR53	L	<2000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	2000-5000
28	DR15	L	<2000	DR16	L	<2000	DR18	L	<2000	DR10	L	2000-5000		DR53	L	<2000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	2000-5000
34	DR15	L	<2000	DR16	L	<2000	DR18	L	<2000	DR10	L	2000-5000		DR53	L	<2000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	2000-5000
35	DR15	L	<2000	DR16	L	<2000	DR18	L	<2000	DR10	L	2000-5000		DR53	L	<2000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000
38	DR15	L	2000-5000	DR16	L	2000-5000	DR18	L	<2000	DR10	L	>5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000
39	DR15	L	2000-5000	DR16	L	2000-5000	DR18	L	2000-5000	DR10	L	>5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	2000-5000
41	DR15	L	2000-5000	DR16	L	2000-5000		DR10	L	>5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000		
42	DR15	L	2000-5000	DR16	L	<2000	DR18	L	<2000	DR10	L	2000-5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000
45	DR15	L	2000-5000	DR16	L	<2000	DR18	L	<2000	DR10	L	2000-5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	2000-5000
48	DR15	L	2000-5000	DR16	L	2000-5000		DR10	L	>5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000		
51	DR15	L	2000-5000	DR16	L	2000-5000		DR10	L	>5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000		
54	DR15	L	2000-5000	DR16	L	2000-5000		DR10	L	>5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000		
58	DR15	L	2000-5000	DR16	L	<2000	DR18	L	<2000	DR10	L	2000-5000		DR53	L	<2000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000
62	DR15	L	2000-5000	DR16	L	<2000	DR18	L	<2000	DR10	L	2000-5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	2000-5000
100	DR15	L	<2000	DR16	L	<2000		DR10	L	2000-5000		DR53	L	<2000	DQ5	L	2000-5000	DQ6	L	2000-5000	DQ4	L	<2000		
101	DR15	L	2000-5000	DR16	L	2000-5000		DR10	L	>5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000		
112	DR15	L	<2000	DR16	L	<2000		DR10	L	2000-5000		DR53	L	<2000	DQ5	L	2000-5000	DQ6	L	2000-5000	DQ4	L	<2000		
114	DR15	L	<2000	DR16	L	<2000		DR10	L	2000-5000		DR53	L	<2000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000		
116	DR15	L	<2000	DR16	L	<2000		DR10	L	2000-5000		DR53	L	<2000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000		
117	DR15	E+L	2000-5000	DR16	E+L	<2000		DR10	E+L	>5000		DR53	E+L	2000-5000	DQ5	E+L	>5000	DQ6	E+L	>5000	DQ4	E+L	>5000		
119	DR15	L	<2000, 2000-5000	DR16	L	<2000		DR10	L	2000-5000		DR53	L	<2000, 2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	2000-5000, >5000		
120	DR15	L	2000-5000	DR16	L	<2000	DR18	L	<2000	DR10	L	2000-5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000
136	DR15	L	2000-5000	DR16	L	2000-5000		DR10	L	>5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000		
139	DR15	L	2000-5000	DR16	L	2000-5000		DR10	L	>5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000		
142	DR15	L	2000-5000	DR16	L	2000-5000	DR18	L	<2000	DR10	L	>5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000
143	DR15	L	2000-5000	DR16	L	<2000		DR10	L	>5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000		
145	DR15	L	2000-5000	DR16	L	2000-5000		DR10	L	>5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	2000-5000, >5000		
147	DR15	L	<2000	DR16	L	<2000		DR10	L	2000-5000		DR53	L	<2000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	2000-5000		
149	DR15	L	>5000	DR16	L	2000-5000		DR10	L	>5000		DR53	L	>5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	2000-5000		
157	DR15	L	2000-5000	DR16	L	2000-5000	DR18	L	<2000	DR10	L	>5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000
159	DR15	L	2000-5000	DR16	L	2000-5000		DR10	L	>5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000		
162	DR15	L	2000-5000	DR16	L	2000-5000	DR18	L	<2000	DR10	L	>5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000
163	DR15	L	2000-5000	DR16	L	<2000		DR10	L	2000-5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	2000-5000		
164	DR15	L	2000-5000	DR16	L	2000-5000		DR10	L	>5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000		
165	DR15	F+L	<2000	DR16	F+L	<2000		DR10	F+L	>5000		DR53	F+L	<2000	DQ5	F+E+L	>5000	DQ6	F+E+L	>5000	DQ4	F+E+L	>5000		
169	DR15	L	2000-5000	DR16	L	<2000		DR10	L	2000-5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	<2000		
181	DR15	L	2000-5000	DR16	L	2000-5000		DR10	L	2000-5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	2000-5000		
185	DR15	L	2000-5000	DR16	L	2000-5000		DR10	L	2000-5000		DR53	L	>5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	2000-5000		
186	DR15	L	2000-5000	DR16	L	<2000		DR10	L	>5000		DR53	L	<2000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	<2000		
190	DR15	L	2000-5000	DR16	L	<2000	DR18	L	<2000	DR10	L	2000-5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	2000-5000
193	DR15	L	2000-5000	DR16	L	<2000		DR10	L	>5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000		
194	DR15	L	2000-5000	DR16	L	2000-5000		DR10	L	>5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000		
195	DR15	L	2000-5000	DR16	L	<2000		DR10	L	2000-5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000		
197	DR15	L	>5000	DR16	L	>5000		DR10	L	>5000		DR53	L	>5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000		
204	DR15	L	2000-5000	DR16	L	2000-5000	DR18	L	<2000	DR10	L	>5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000
206	DR15	L	2000-5000	DR16	L	<2000	DR18	L	<2000	DR10	L	2000-5000		DR53	L	<2000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	2000-5000
209	DR15	L	2000-5000	DR16	L	2000-5000		DR10	L	>5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000	DQ4	L	>5000		
210	No results returned																								
218	DR15	L	2000-5000	DR16	L	2000-5000		DR10	L	2000-5000		DR53	L	2000-5000	DQ5	L	>5000	DQ6	L	>5000					

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Techniques used IgG	Sample Treatment IgG	Allele Specific Antibodies IgG	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot) IgG	Cut-off value IgG	Control bead MFI Positive	Control bead MFI Negative
9 L	None	DQA1*01: DPB1*01: 05	LS2A01	500	14000	110												
11 L	None		LS2A01	1000	10979	53	LSM12	2.5	8362	42								
12 L	EDTA	DPB1*01:01, 03:01, 05:01, 06:01, 20:01	LS2A01	500	15613	130												
14 L	EDTA	DPB1*01:01, DPA1*01:03	LS2A01	1500	17527	24	LSM12	2.29	16308	147								
15 L	EDTA	DRB1*15:01, 15:03, DRB4*01:03, DQA1*01, 03:03	LS2A01	1000	10701	57												
19 L	None		LS2A01	1000	13724	31												
20 C+L	EDTA	DPB1*01:01, 03:01, 05:01, 06:01, 20:01	LS2A01	500	9554	128												
23 L	None		LS2A01	1000	15424	86.51												
24 L	EDTA		LS2A01	1000	14612	59	LS2PRA	1000	14395	208								
25 L	EDTA	DQA1*01:01, 01:02, 01:03, 03:03, DPB1*01, 03 with DPA1*01:03	LS2A01	1000	17455	138	LSAII	1500	20389	96	LSAII	Default	15333	171	LMX	Default	19746	64
26 L	EDTA		LS2A01	1000	13775	42												
28 L	None	DPB1*01, 05	LS2A01	500	17186	90												
34 L	EDTA		LS2A01	968	16961	20												
35 L	None		LS2A01	1000	9259	107												
38 L	EDTA		LS2A01	1100	11313	79	LSAII	500	19524	135								
39 L	EDTA	DPA1*01:03, 03:01	LS2A01	1200	16767	72												
41 L	None		LS2A01	2000	11186	113												
42 L	EDTA	DPB1*01:01, 05:01, 20:01	LS2A01	500	13244	103												
45 L	EDTA		LS2A01	1500	12917	56												
48 L	Heat Inactivation																	
51 L	EDTA		LS2A01	1200	16037	120												
54 L	None	DRB4*01: DPB01, 05	LS2A01	750	14210	72												
58 L	EDTA		LS2A01	1000	15003	126	LSM12	2.5-3	10145	22	LSAII	18574		LMX			19204	
62 L	None		LS2A01	1000	17106	100												
100 L	None	DQA1*01	LM2	1269	15163	57	LSAII	1281	17412	161								
101 L	None		LS2A01	1000	10990	97												
112 L	None	DQA1*01:01, 01:02, 01:03, 01:04	LSAII	500	16023	150/143/695												
114 L	None	DQA1*01:01, 01:02, 01:03, 03:03	LS2A01	1000	5017	26												
116 C+L	None		LS2A01	1000	14679	38	LSM12		8049	21								
117 E+L	None	DP1	LS2A01	1500	15046	69												
119 L	EDTA		LS2A01	BNV>1000	11170	77	LSM12	RATIO>1.5	10800	74								
120 L	EDTA	DP1	LS2A01	500	13850	101												
136 L	None	DQA1*01:01, 01:02, 01:03, 03:03, DP1, 5	LS2A01	1000	14833	100												
139 L	None		LS2A01	1000	11167	32												
142 L	EDTA		LS2A01	1000	15990	65												
143 L	None		LS2A01	1000	12314.04	76.89												
145 L	None	DPB1*01:01	LSM12	1000	14142	115												
147 L	None		LS2A01	>1500	7302	107	LSM12	>5	13090	250								
149 L	None	DQA1*01:01, 01:02, 01:03, 01:04	LSAII	20000	29-322													
157 L	EDTA		LS2A01	1000	15900	113												
159 L	None		LS2A01	1500	16299	103												
162 L	EDTA		LS2A01	1000	15370	101	LSM12	3	14225	347								
163 L	None		LS2A01	1500	13196	77	LSM12	4	17168	324								
164 L	None		LS2A01	2000	15480	152												
165 F+E+L	None		LS2A01	1319	14327	93												
169 L	None	DQA1*01:01, 01:02, 01:03, 03:03	LS2A01	1000	4335	33												
181 L	None	DPB1*01, 05:01	LS2A01	500	13242	98												
185 L	EDTA	DQA1*01	LSAII	20319	244	LM2		21368	72									
186 L	None		LS2A01	1000	8040	30	LSAII	1000	19365	137								
190 L	EDTA		LS2A01	1000	14871	111												
193 L	None		LS2A01	1000	14619	88												
194 L	DTT	DQA1*01																
195 L	None		LS2A01	1000	13900	130												
197 L	None																	
204 L	EDTA		LS2A01	1000	15271	56												
206 L	EDTA		LS2A01	1000	13631	60	LM2	3	19223	71								
209 L	None		LS2A01	500	15660	110												
210																		
218 L	Heat Inactivation		LSAII															
227 L	Dilution	DP1	LS2A01	1000	14703	254												
232 L	None	DQA1*01:01, 01:02, 01:03, 02:01, 03:03, 04:01	LS2A01		9193	108												
235 L	None		LS2A01	1000	12476	37												
238 L	None	DQA1*01 could not be excluded	LSAII	5	20011	216												
243 L	None	DQA1*01:01, 01:02, 01:03, 03:03	LS2A01	1000	14419	79												
245 L	None	DP1	LS2A01	--500	15461	105												
262 L	None		LSAII	ADBCR-5	15211	260												
267 L	None	DQA1*01:01, 01:02, 01:03, 01:04	LSAII	18374	18374													
268 L	None	DQA1*01	LSAII	1500	18429	144/159/1039	LM2	1500	19997	86/142/252								
273 L	None		LSM12	2430	14165	125												
277 L	None	DP1, DPB1*01:01	LS2A01	500	12477	108												
284 L	EDTA		LS2A01	1000	12655	76	LSM12	3	8644	41								
282	None	DQA1*01:01, 01:02, 01:03, 03:03, DPB1*01:01	LS2A01	500	13956	62	LSM12	2.5	11499	31								
283 NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
294 L	None		LSAII	ADBCR-4	16812													
297 L	EDTA		LS2A01	1500	13783	112												
301 L	None		LM2	50	17857													
303 L	EDTA		LS2A01	1000	13188	103												
309 L	None	DQA1*01	LSAII	600	17300	182	LM2	500	20800	65								
311 L	EDTA		LS2A01	1500	15734	82												
315 L	None	DPB1*01, 05	LS2A01	500	10565	152												
323 L	None		LS2A01	1000	1422	90	LSM12	5.5	9178	49								

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

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Techniques used	Sample Treatment	Allele Specific Antibodies	Luminex kit (lot)	Cut-off value	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot)	Cut-off value	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot)	Cut-off value	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot)	Cut-off value	Control bead MFI Positive	Control bead MFI Negative	
IgG	IgG	IgG	IgG	IgG			IgG	IgG			IgG	IgG			IgG	IgG			
Lab no.																			
9 L	None	DRB1*13:03; DQA1*03:01; DPB1*01:05	LSZA01		500	18000			70										
11 L	None	DRB1*13:03; DPB1*01:01, 05:01	LSZA01		1000	11662			30										
12 L	EDTA	DRB1*13:03; DPB1*01:01, 05:01	LSZA01		500	17868		LSM12	2.5	10309		17							
14 L	EDTA	DRB1*13:03; 15:01; DPB1*01:01, 05:01; DPA1*02:02	LSZA01		1500	18768			15										
15 L	EDTA	DRB1*13:03; DRB4*01:01; DQA1*03:03; DPB1*01:01, 05:01	LSZA01		1000	17600			51										
19 L	None	DRB1*13:03; DP1	LSZA01		1000	14903			14										
20 C+L	EDTA	DQA1*03:03; DPB1*01:01, 05:01	LSZA01		500	15454			51										
23 L	None	DP1, 5	LSZA01		1000	17583			40.59										
24 L	EDTA	DRB1*13:03; DP1, 5	LSZA01		1000	19247		LSZPRA	1000	12205	45	LSAII	Default	16568	164	LMX	Default	17353	173
25 L	EDTA	DPB1*01, 05	LSZA01		1000	16881		LSAII	1500	20442	95								
26 L	EDTA	DP1, 5; DPB1*01:01, 05:01	LSZA01		1000	15642			20										
28 L	None	DRB1*13:03; DQA1*03:02; DPB1-1, 5	LSZA01		500	17925			36										
34 L	EDTA	DRB1*13:03; DPB1*01:01, 05:01	LSZA01		500	16430			14										
35 L	None	DRB1*13:03; DPB1	LSZA01		1000	9259			107										
38 L	EDTA	DPB1*01:01, 05:01	LSZA01		1200	12456		LSAII	400	20360	153								
39 L	EDTA	DRB1*13:03; DPB1*01:01; DPA1*02:02, 05:01	LSZA01		1100	16803			26										
41 L	None	DRB1*01:01, 11:04, 13:03, 15:01; DPB1*01, 05	LSZA01		2000	14990			88										
42 L	EDTA	DRB1*13:03; 14:02; DQA1*03:01, 03:03; DPB1*01:01, 05:01, 20:01; DPA1*02:02	LSZA01		500	15451		LSM12	3.5	11957	38								
45 L	EDTA	DRB1*13:03; DPB1*01, 05	LSZA01		1500	13284			29										
48 L	Heat Inactivation	DRB1*13:03	LSZA01																
51 L	EDTA	DRB1*13:03; DPB1*01, 05	LSZA01		800	8113			28										
54 L	None	DRB4*01; DRB1*13:03; DPB01, 05	LSZA01		750	15331			31										
58 L	EDTA	DRB1*13:03; DPB1, 5	LSZA01		1000	15685		LSM12	2.5-3	9965	21	LSAII		19107		LMX			
62 L	None	DPB1, 5	LSZA01		1000	19223			96										
100 L	None		LM2		433	15152		LSAII	444	18421	193								
101 L	None	DRB1*13:03; DP1	LSAII		500	16940			178/158/719										
112 L	None		LSZA01		1000	10198			43										
114 L	None	DRB1*13:03; DQA1*03:01, 03:02, 05:03, 05:05, 06:01; DP1, 5	LSZA01		1000	16247		LSM12		10076	18								
116 C+L	None	DP1, 5	LSZA01		1000	16247			22										
117 C+L	None	DRB1*13:03; DRB5*02:02; DQA1*03:02, 03:03; DP1, 5	LSZA01		500	16821		LSM12		14294	34								
119 L	EDTA	DRB1*15:01, 15:02, 13:03; DP1, 5	BNV>1000		12867	26													
120 L	EDTA	DRB1*13:03; DRB4*01:01; DP1, 5	LSZA01		500	14553			362										
136 L	None	DRB4*01:01; DQA1*03:01, 03:02, 05:03, 05:05, 06:01; DP1, 5	LSZA01		1000	15810			45										
139 L	None	DRB1*13:03; DPB1*01:01	LSZA01		1000	14098			20										
142 L	EDTA		LSZA01		1000	16537			54										
143 L	None		LSZA01		1500	14153.34			30.87										
145 L	None	DRB1*13:03; DPB1*01:01	LSM12		1000	13175			33										
147 L	None	DRB1*11:01, 11:04, 13:01, 13:03; DP1, 5	LSZA01		>1000	14374		LSM12	INBG>5	15048	43								
149 L	None		LSAII			20000			28-322										
157 L	EDTA	DRB1*13:03; 16:02; DPB1*01:01, 05:01	LSZA01		1000	16000			36										
159 L	None	DRB1*13:03; 15:01; DP1, 5	LSZA01		1500	17529			75										
162 L	EDTA	DRB1*13:03; 15:01; DPB1*01	LSZA01		1000	15578		LSM12	3	14917	125								
163 L	None	DRB1*13:03; DP1	LSZA01		1500	14514			44										
164 L	None	DRB1*13:03	LSZA01		2000	18600		LSM12	4	19418	51								
165 F+E+L	None	DP1	LSZA01		1946	15642			44										
169 L	None	DQA1*03:02, 05:03, 05:05, 06:01	LSZA01		1000	3082			8										
181 L	None	DRB1*13:03; DPB1*01, 05	LSZA01		500	1400			30										
182 L	EDTA	DPB1*01:01	LSAII			21434		LM2	24229	60									
186 L	None		LSZA01		1000	12867		LSAII	1000	18237	175								
190 L	EDTA	DRB1*13:03; DPB1*01:01, 05:01	LSZA01		1000	15633			43										
193 L	None	DRB1*13:03; DPB1*01:01, 05:01	LSZA01		1000	16025			29										
194 L	DTT	DPB1*01	LSZA01		1000	16000			80										
195 L	None	DRB1*15:01, 15:02, 13:03; DP1, 5	LSZA01		1000	16000			80										
197 L	None		LSZA01		1000	14338			43										
204 L	EDTA	DRB1*13:03; DP1, 5	LSZA01		1000	14338			43										
206 L	EDTA	DRB1*13:03; DP1	LSZA01		1000	13979			33										
209 L	None	DP1, 5, 13	LSZA01		500	16915		LM2	3	20147	66								
210																			
218 L	Heat Inactivation		LSAII																
227 L	Dilution	DQA1*03:03; DP1, 5	LSZA01		500	19030			65										
232 L	None	DQA1*02:01, 03:01, 03:02, 05:3, 05:05, 06:01; DPA1*01:03, 02:01, 02:02	LSZA01			11051			42										
235 L	None		LSZA01		1000	13391			26										
238 L	None		LSAII		5	19758			183										
243 L	None	DRB1*13:03; DQA1*03:01, 03:02, 05:03, 05:05, 06:01; DP1, 5	LSZA01		1000	16519			34										
245 L	None	DP1, 5	LSZA01		-<500	15694			43										
262 L	None	DRB1*13:03	LSAII		>>1000	14969			250										
267 L	None	DP1	LSAII		BCM-700	19608													
269 L	None	DPB1*01:01	LSAII		1500	18629			124/119/1013	LM2	1500	21074	143/255/1397						
273 L	None	DRB1*13:03, 15:01; DP1, *05:01; DPA1*02:02	LSM12		500	15510			49										
277 L	None	DRB1*13:03; DRB5*02:02; DQA1*03:03; DPB1*01:01; DPA1*02:02	LSZA01		500	13500			41										
284 L	EDTA	DRB1*13:03; DPB1*01:01	LSZA01		1000	13535		LSM12	3	8924	44								
292 L	None	DRB1*13:03, 14:02; DRB4*01:01; DRB5*02:02; DQA1*03:01, 03:02, 03:03, 05:03, 05:05, 06:01; DPB1*01:01, 05:01	LSZA01		500	15561		LSM12	2.5	15159	26								
293 NT	NT	NT	NT		NT	NT		NT	NT										
294 L	None		LSAII		ADECR-4	16682			NT										
297 L	EDTA	DRB1*13:03; DPB1*03:01, 05:01	LSZA01		1500	16308			29										
301 L	None		LM2		500	18359													
303 L	EDTA	DRB1*11:04, 13:03; DP1	LSZA01		1000	13081			41										
309 L	None	DRB1*13:03; DPB1*01:01	LSAII		700	17000		LM2	500	20000	55								
311 L	EDTA	DRB1*13:03; DP1, 5	LSZA01		1500	16342			43										
315 L	None	DPB1*01, 05	LSZA01		500	12941			64										
323 L	None	DP1	LSZA01		1000	15173		LSM12	5.5	12617	22								

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

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

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 308/2015

DESPATCHED ON 23rd JUNE 2015

HLA specificity for assessment						
Consensus % reported	DQ8 Not Assessed 11.5%			DQ4 Absent 1.3%		
	spec	tech	MFI	spec	tech	MFI
Lab no.						
9						
11						
12	DQ8	L	2000-5000			
14	DQ8	L	2000-5000			
15						
19						
20						
23						
24						
25	DQ8	L	<2000			
26						
28						
34						
35						
38						
39						
41						
42						
45						
48						
51						
54						
58						
62						
100						
101						
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114						
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143						
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147						
149						
157						
159						
162						
163						
164						
165						
169						
181						
185						
186						
190	DQ8	L	2000-5000			
193						
194	DQ8	L	2000-5000			
195						
197						
204						
206						
209	DQ8	L	<2000			
210						
218						
227						
232	DQ8	L	<2000			
235						
238						
243						
245						
262						
267						
268						
273	DQ8	L	<2000			
277						
284						
292						
293						
294						
297						
301				DQ4	L	<2000
303						
309						
311						
315	DQ8		<2000			
323						

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

No. Reporting Spec	9	< 2000	1	< 2000
Total Participants	78	5	78	1
		2000-5000		2000-5000
		4		0
		> 5000		> 5000
		4		0

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

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 308/2015

DESPATCHED ON 23rd JUNE 2015

Technique used	Sample Treatment	Allele Specific Antibodies	Luminex kit (lot)	Cut-off value	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot)	Cut-off value	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot)	Cut-off value	Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot)	Cut-off value	Control bead MFI Positive	Control bead MFI Negative	
IgG	IgG	IgG	IgG	IgG			IgG	IgG			IgG	IgG			IgG	IgG			
Lab no.																			
9 L	Dilution		LS2A01	500	12700	150													
11 L	None		LS2A01	1000	10652	82	LSM12	2.5	7419	112									
12 L	EDTA	DRB1*13:03; DPB1*03:01	LS2A01	500	15662	100													
14 L	EDTA	DRB1*04:01, 04:04	LS2A01	1500	19192	48	LSM12	2.29	16021	51									
15 L	EDTA	DRB1*04:01, 04:04	LS2A01	1000	17646	128													
19 L	None		LS2A01	1000	14321	45													
20 C+L	EDTA	DRB1*04:01, 04:04	LS2A01	500	12452	33													
23 L	None		LS2A01	1000	14027	46.46													
24 L	EDTA		LS2A01	1000	11972	49	LS2PRA	1000	13017	76	LSAII	Default	15619	155	LMX	Default	15771	103	
25 L	EDTA	DO8 with DQA1*03:02; DO7 with DQA1*05:03, 05:05	LS2A01	1000	14643	71													
26 L	EDTA		LS2A01	1000	15964	26													
28 L	None	DRB1*04:01, 04:02, 04:04, 09:02, 16:02; DQA1*05:03, 05:05	LS2A01	805	16444	51													
34 L	EDTA	DRB1*09:02	LS2A01	626	16496	37													
35 L	None		LS2A01	1000	9810	125	LSM12	10	15696	171	LS2PRA	1000	14803	296					
38 L	EDTA		LS2A01	1000	10244	265													
39 L	EDTA	DRB1*04:01, 04:04, 09:02	LS2A01	1000	16499	89													
41 L	None	DRB1*04:01, 04:04	LS2A01	2000	11014	114													
42 L	EDTA	DRB1*13:03; DRB5*01:01, DQA1*05:03, 05:05; DPB1*19:01	LS2A01	500	13785	311	LSM12	3.5	8619	151									
45 L	EDTA	DRB1*04:01, 04:04	LS2A01	1500	15511	80													
48 L	Heat Inactivation	DQA1*05:03, 05:05																	
51 L	EDTA		LS2A01	2500	18374	284													
54 L	None	DRB1*04:01, 04:04, 09:02	LS2A01	750	14042	271													
58 L	EDTA	DRB1*04:01, 04:04	LS2A01	1000	12783	79	LSM12	2.5-3	7197	42	LSAII		19026		LMX		19151		
62 L	None	DRB1*13:03; DQA1*05, 03:02; DP19	LS2A01	1000	16648	260													
100 L	None		LMZ	659	15668	70	LSAII	957	17949	200									
101 L	None		LS2A01	1000	11000	59													
112 L	None		LSAII	500	16307	190/152/805													
114 L	None	DRB1*09:02	LS2A01	1000	5463	70													
116 C+L	None		LS2A01	1000	14536	33	LSM12		7359	97									
117 E+L	None	DRB1*07:01, 13:03; DRB5*01:01, DQA1*03:02; DP19	LS2A01	500	15425	58													
119 L	EDTA	DRB1*04:01, 04:04, 09:02	LS2A01	800x1000	10547	63	LSM12	RATIO>1.5	7946	69									
120 L	EDTA	DRB1*04:01, 04:02, 04:03, 04:04, 16:02; DQA1*05:03, 05:05	LS2A01	500	11698	178													
136 L	None	DRB1*04:01, 04:02, 04:04, 09:02	LS2A01	1000	13690	53													
139 L	None		LS2A01	1000	10561	47													
142 L	EDTA		LS2A01	1000	13743	68													
143 L	None	DRB1*04:01, 04:04, 09:02	LS2A01	1000	13170.57	85.11													
145 L	None	DRB1*04:01, 04:02, 04:04, 09:02	LSM12	1000	11218	65													
147 L	None	DRB1*04:01, 04:04	LS2A01	>1500	11314	372	LSM12	>5	10177	89									
149 L	None		LSAII	20000	28-322														
157 L	EDTA	DRB1*04:01, 04:04, 09:02	LS2A01	1000	19600	435													
159 L	None		LS2A01	1500	14970	102													
162 L	EDTA	DRB1*04:01, 04:04	LS2A01	1000	15617	78	LSM12	3	13517	84									
163 L	None	DRB1*04:04	LS2A01	1500	12411	96													
164 L	None		LS2A01	2500	15393	117	LSM12	4	16759	137									
165 F+E+L	None		LS2A01	660	16191	255													
169 L	None		LS2A01	1000	2149	12													
181 L	None	DRB1*13:03; DQA1*03:02, 05:03, 05:05	LS2A01	500	12373	53													
185 L	EDTA		LSAII	1000	29556	197	LM2		22651	130									
186 L	None		LS2A01	1000	9547	24	LSAII	1000	19815	125									
190 L	EDTA	DPB1*03	LS2A01	1000	13661	144													
193 L	None		LS2A01	1000	13526	50													
194 L	DTT																		
195 L	None		LS2A01	1000	14700	290													
197 L	None																		
204 L	EDTA	DRB1*04:01, 04:04, 09:02	LS2A01	1000	12308	81													
206 L	EDTA	DRB1*04:04	LS2A01	1000	12466	172													
209 L	None	DP19	LS2A01	500	14743	143	LM2	3	21180	120									
210																			
218 L	Heat Inactivation		LSAII																
227 NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
232 L	None	DQA1*03:02, 05:03, 05:05; DPA1*01:03	LS2A01		10547	51													
235 L	None		LS2A01	1000	11139	61													
238 L	None		LSAII	5	20530	253													
243 L	None	DRB1*04:01, 04:02, 04:03, 04:04, 09:02	LS2A01	1000	13185	47													
245 L	None	DRB1*13:03	LS2A01	>1000	13437	93													
262 L	None		LSAII	15098	15098	239													
267 L	None		LSAII	19554															
268 L	None		LSAII	18805	172/97/1054	112	LM2	1500	20777	155/142/957									
273 L	None	DOB1*03:01, 03:02; DQA1*03:02, 05:03, 05:05	LSM12	1500	12973	112													
277 L	None	DRB1*09:02, 16:02; DPB1*19:01	LS2A01	500	11082	55													
284 L	EDTA		LS2A01	1000	11453	85	LSM12	3	6676	71									
292 L	None	DRB1*16:02; DQA1*05:03; DPB1*19:01	LS2A01	500	14844	138	LSM12	2.5	10811	67									
293 NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
294 L	Adsorb out		LM2	21003															
297 L	EDTA	DRB1*04:01, 04:04	LS2A01	1500	8708	84													
301 L	None		LMZ	50	19163														
303 L	EDTA		LS2A01	1000	10694	64													
309 L	None	DRB3*01:01, 03:01	LSAII	1500	1790	271	LM2	1500	21000	312									
311 L	EDTA	DRB1*04:04	LS2A01	1500	13395	72													
315 L	Dilution		LS2A01	500	10514	147													
323 L	Dilution		LS2A01	1000	13305	56	LSM12	5.5	8898	54									

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

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

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 310/2015

DESPATCHED ON 23rd JUNE 2015

HLA specificity for assessment		DQ5			DQ6			DQ2			DQ7			DQ8			DQ9			DQ4		
Consensus % reported	Present 75.6%	tech	MFI	Absent 3.8%	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	
9																						
11	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	>5000	DQ9	L	>5000	DQ4	L	>5000	
12	DQ5	L	<2000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000	
14	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	>5000	DQ9	L	>5000	DQ4	L	>5000	
15							DQ2	L	<2000	DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000	
19	DQ5	L	<2000				DQ2	L	>5000	DQ7	L	2000-5000	DQ8	L	<2000	DQ9	L	2000-5000	DQ4	L	<2000	
20	DQ5	L	2000-5000				DQ2	C+L	>5000	DQ7	L	>5000	DQ8	L	>5000	DQ9	L	>5000	DQ4	L	2000-5000	
23	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	>5000	DQ9	L	>5000	DQ4	L	>5000	
24	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000	
25	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000	
26	DQ5	L	<2000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000	
28	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	<2000	DQ9	L	2000-5000	DQ4	L	<2000	
34	DQ5	L	<2000				DQ2	L	>5000	DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000	
35	DQ5	L					DQ2	L		DQ7	L		DQ8	L		DQ9	L		DQ4	L		
38	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	>5000	DQ9	L	>5000	DQ4	L	>5000	
39	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000	
41							DQ2	L	>5000	DQ7	L	>5000	DQ8	L	>5000	DQ9	L	>5000	DQ4	L	>5000	
42	DQ5	L	<2000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	>5000	DQ9	L	>5000	DQ4	L	>5000	
45	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	>5000	DQ9	L	>5000	DQ4	L	2000-5000	
48	DQ5	L	>5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	>5000	DQ9	L	>5000	DQ4	L	>5000	
51	DQ5	L	<2000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	>5000	DQ9	L	>5000	DQ4	L	>5000	
54	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	>5000	DQ9	L	>5000	DQ4	L	>5000	
58	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	2000-5000	DQ9	L	>5000	DQ4	L	2000-5000	
62	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	>5000	DQ9	L	2000-5000	DQ4	L	2000-5000	
100							DQ2	L	>5000	DQ7	L	<2000	DQ8	L	<2000	DQ9	L	<2000	DQ4	L	<2000	
101	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	>5000	DQ9	L	>5000	DQ4	L	2000-5000	
112							DQ2	L	>5000	DQ7	L	<2000	DQ8	L	<2000	DQ9	L	<2000	DQ4	L	<2000	
114	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	>5000	DQ9	L	>5000	DQ4	L	>5000	
116	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	>5000	DQ9	L	>5000	DQ4	L	2000-5000	
117	DQ5	E+L	2000-5000	DQ6	L	<2000	DQ2	E+L	>5000	DQ7	E+L	>5000	DQ8	E+L	>5000	DQ9	E+L	>5000	DQ4	E+L	>5000	
119	DQ5	L	<2000				DQ2	L	>5000	DQ7	L	<2000, 2000-5000	DQ8	L	<2000, 2000-5000	DQ9	L	<2000, 2000-5000	DQ4	L	<2000	
120	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	>5000	DQ9	L	>5000	DQ4	L	2000-5000	
136	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000	
139	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	>5000	DQ9	L	>5000	DQ4	L	>5000	
142	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	>5000	DQ9	L	>5000	DQ4	L	>5000	
143	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000	
145	DQ5	L	<2000, 2000-5000				DQ2	L	2000-5000	DQ7	L	<2000, 2000-5000	DQ8	L	<2000, 2000-5000	DQ9	L	<2000, 2000-5000	DQ4	L	<2000, 2000-5000	
147	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000	
149							DQ2	L	>5000	DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000	
157	DQ5	L	<2000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	>5000	DQ9	L	>5000	DQ4	L	>5000	
159	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000	
162	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000	
163	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000	
164	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	2000-5000	DQ9	L	>5000	DQ4	L	2000-5000	
165	DQ5	F+L					DQ2	F+E+L	>5000	DQ7	F+E+L	>5000	DQ8	F+E+L	>5000	DQ9	F+L	>5000	DQ4	F+E+L	>5000	
169							DQ2	L	>5000	DQ7	L	2000-5000	DQ8	L	<2000	DQ9	L	<2000	DQ4	L	<2000	
181	DQ5	L	<2000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000	
185							DQ2	L	>5000	DQ7	L	>5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000	
186							DQ2	L	>5000	DQ7	L	<2000	DQ8	L	<2000	DQ9	L	<2000	DQ4	L	<2000	
190	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000	
193	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	>5000	DQ9	L	>5000	DQ4	L	2000-5000	
194	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000	
195	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	>5000	DQ9	L	>5000	DQ4	L	>5000	
197							DQ2	L		DQ7	L		DQ8	L		DQ9	L		DQ4	L		
204	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	2000-5000	DQ9	L	>5000	DQ4	L	2000-5000	
206							DQ2	L	>5000	DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000	
209	DQ5	L	2000-5000	DQ6	L	<2000	DQ2	L	>5000	DQ7	L	>5000	DQ8	L	>5000	DQ9	L	>5000	DQ4	L	>5000	
210																						
218							DQ2	L	>5000	DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000	
227																						
232	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000	
235	DQ5	L					DQ2	L		DQ7	L		DQ8	L		DQ9	L		DQ4	L		
238							DQ2	L	2000-5000													
243	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000	
245	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	>5000	DQ9	L	>5000	DQ4	L	2000-5000	
262							DQ2	L	>5000	DQ7	L	2000-5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	2000-5000	
267							DQ2	L	>5000	DQ7	L	<2000, 2000-5000	DQ8	L	<2000	DQ9	L	<2000	DQ4	L	<2000	
268							DQ2	L	>5000	DQ7	L	>5000	DQ8	L	2000-5000	DQ9	L	2000-5000	DQ4	L	>5000	
273	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	>5000	DQ9	L	>5000	DQ4	L	>5000	
277	DQ5	L	2000-5000				DQ2	L	>5000	DQ7	L	>5000	DQ8	L	>5000	DQ9	L	>5000	DQ4	L	>5000	
284	DQ5	L	<2000				DQ2	L	>5000	DQ7	L	>5000	D									

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

CLASS II HLA ANTIBODY SPECIFICITY ANALYSIS OF 310/2015

DESPATCHED ON 23rd JUNE 2015

Lab no.	Techniques used	Sample Treatment	Allele Specific Antibodies	Luminex kit (lot)	Cut-off value	Control bead MFI		Luminex kit (lot)	Cut-off value	Control bead MFI		Luminex kit (lot)	Cut-off value	Control bead MFI		Luminex kit (lot)	Cut-off value	Control bead MFI	
						Positive	Negative			Positive	Negative			Positive	Negative			Positive	Negative
9 L	None	Dilution	DOA1*02:01, DPA1*02:01, 02:02, 04:01; DPB1*01:03, 05, 06, 11, 13, 19, 20	LS2A01	500		50												
11 L	EDTA	None	DPB1*01:01, 03:01, 05:01, 06:01, 09:01, 10:01, 11:01, 13:01, 14:01, 15:01, 17:01, 18:01, 19:01, 20:01, 28:01	LS2A01	1000		32	LSM12	2.5		6793								
12 L	EDTA	None	DPB1*01:01, 03:01, 05:01, 06:01, 09:01, 10:01, 11:01, 13:01, 14:01, 15:01, 17:01, 18:01, 19:01, 20:01, 28:01	LS2A01	500		15770												
14 L	EDTA	None	DOB1*05:01, DQA1*01:01, DPB1*01:01, 03:01, 05:01, 06:01, 09:01, 10:01, 11:01, 13:01, 14:01, 15:01, 17:01, 18:01, 19:01, 20:01, 28:01	LS2A01	1500		16071												
15 L	EDTA	None	DP1, 3, 5, 6, 9, 10, 11, 13, 14, 15, 17, 18, 19, 20; DPA1*04:01	LS2A01	1000		15533												
19 L	EDTA	None	DP1, 3, 5, 6, 9, 10, 11, 13, 14, 15, 17, 18, 19, 20; DPA1*02:01, 04:01	LS2A01	1000		13553												
20 C+L	EDTA	None	DRB1*09:01; DPB1*01:01, 03:01, 05:01, 06:01, 09:01, 10:01, 11:01, 13:01, 14:01, 15:01, 17:01, 18:01, 19:01, 20:01, 28:01	LS2A01	500		14439												
23 L	None	EDTA	DOB1*05:01; DP1, 3, 5, 6, 9, 10, 11, 13, 14, 15, 17, 18, 19, 20	LS2A01	1000		13575												
24 L	EDTA	None	DOA1*02:01; DP1, 3, 5, 6, 9, 10, 11, 13, 14, 15, 17, 18, 19, 20; DPA1*02:01/02, 04:01	LS2A01	1000		12985												
25 L	EDTA	Seraclear	DPB1*01:03, 05, 06, 09, 10, 11, 13, 14, 15, 17, 18, 19, 20, 28; DPA1*02:01, 02:02, 04:01	LS2A01	1000		10954												
28 L	EDTA	None	DPB1*01:01, 03:01, 05:01, 06:01, 09:01, 10:01, 11:01, 13:01, 14:01, 15:01, 17:01, 18:01, 19:01, 20:01, 28:01	LS2A01	1000		17046												
28 L	None	EDTA	DRB1*09:01; DOA2, 3, 5; DPB1*1, 3, 5, 6, 9, 10, 11, 13, 14, 15, 17, 18, 19, 20; DOA1*2, 4	LS2A01	500		10933												
34 L	EDTA	None	DP1, 3, 5, 6, 9, 10, 11, 13, 14, 15, 17, 18, 19, 20; DPA1*02:01, 04:01	LS2A01	500		16240												
35 L	None	EDTA	DP1, 3, 5, 6, 9, 10, 11, 13, 14, 15, 17, 18, 19, 20; DPA1*02:01 or 02:01/18:02 and 04:01/28:01	LS2A01	1000														
38 L	EDTA	None	DPB1*01:01, 03:01, 05:01, 06:01, 09:01, 10:01, 11:01, 13:01, 14:01, 15:01, 17:01, 18:01, 19:01, 20:01, 28:01	LS2A01	1000		10873												
39 L	EDTA	None	DP1, 3, 5, 6, 9, 10, 11, 13, 14, 15, 17, 18, 19, 20; DPA1*02:01/02 and DPA1*04:01	LS2A01	600		16715												
41 L	None	EDTA	DPB1*01:03, 05, 06, 09, 10, 11, 13, 14, 15, 17, 18, 19, 20	LS2A01	2000		8036												
42 L	EDTA	None	DPA1*02:01, 04:01; DPB1*01:01, 03:01, 05:01, 06:01, 11:01, 13:01, 14:01, 15:01, 17:01, 18:01, 19:01, 20:01	LS2A01	1500		11148												
45 L	EDTA	None	DPB1*01:03, 05, 06, 09, 10, 11, 13, 14, 15, 17, 18, 19, 20; DPA1*02, 04	LS2A01	1500		16913												
46 L	Heat Inactivation	None	DPB1*01:03, 05, 06, 09, 10, 11, 13, 14, 15, 17, 18, 19, 20; DPA1*02:01, 04:01	LS2A01	1000		10310												
51 L	EDTA	None	DPB1*01:03, 05, 06, 09, 10, 11, 13, 14, 15, 17, 18, 19, 20	LS2A01	1400		12597												
54 L	EDTA	None	DPB1*01, 03, 05, 06, 09, 10, 11, 13, 14, 15, 17, 18, 19, 20, 28	LS2A01	1000		10319												
58 L	EDTA	None	DPB1, 3, 5, 6, 9, 10, 11, 13, 14, 15, 17, 18, 19, 20, 28; DPA1*02, 04	LS2A01	1000		13085												
62 L	None	EDTA	DP1, 3, 5, 6, 9, 10, 11, 13, 14, 15, 17, 18, 19, 20, 28	LS2A01	1000		17372												
100 L	None	EDTA	DOA1*02, 03, 04, 05, 06; DPB1*01, 03, 05, 13, 14, 17, 19, 28; DPA1*02, 04	LM2	415		15391												
101 L	None	EDTA	DPA1*04:01; DP1, 3, 5, 6, 9, 10, 11, 13, 14, 15, 17, 18, 19, 20	LS2A01	1000		11300												
112 L	None	EDTA	DQA1*03:01, 03:02, 04:01, 05:01, 06:01; DPB1*01:01, 02:01, 02:02, 03:01, 04:01, 05:01, 13:01, 14:01, 17:01, 19:01, 20:01	LSAII	500		17318												
114 L	None	EDTA	DOA1*02:01, 03:01, 03:02, 03:03, 04:01, 05:01, 05:03, 05:05, 06:01; DP1, 3, 5, 6, 9, 10, 11, 13, 14, 15, 17, 19, 20	LS2A01	1000		5616												
116 C+L	None	EDTA	DOB1*05:01; DP1, 3, 5, 6, 9, 10, 11, 13, 14, 17, 18, 19, 20	LS2A01	1000		15298												
117 C+L	None	EDTA	DOB1*05:01; DOA1*03:02; DP1, *02:01, 3, *04:01, 5, 6, 9, 10, 11, 13, 14, 15, 17, 19, 20	LS2A01	500		14530												
119 L	EDTA	None	DOB1*05:01; DP1, 3, 5, 6, 9, 10, 11, 13, 14, 17, 19, 20; DPA1*02:01	LS2A01	1000		4361												
120 L	EDTA	None	DP1, 3, 5, 6, 9, 10, 11, 13, 14, 15, 17, 19, 20	LS2A01	500		11567												
136 L	None	EDTA	DOA1*02:01, 03:01, 03:02, 03:03, 04:01, 05:01, 05:03, 05:05, 06:01; DP1, 3, 5, 6, 9, 10, 11, 13, 14, 15, 17, 18, 19, 20	LS2A01	1000		12901												
139 L	None	EDTA	DPB1*01:01, 03:01, 05:01, 06:01, 09:01, 10:01, 11:01, 13:01, 14:01, 15:01, 17:01, 18:01, 19:01, 20:01	LS2A01	1000		9722												
142 L	EDTA	None	DPB1*01:01, 03:01, 05:01, 06:01, 09:01, 10:01, 11:01, 13:01, 14:01, 15:01, 17:01, 18:01, 19:01, 20:01	LS2A01	1000		14203												
143 L	None	EDTA	DOB1*05:01; DP1, 3, 5, 6, 9, 10, 11, 13, 14, 17, 19, 20	LS2A01	2000		12937.72												
145 L	None	EDTA	DOA1*02:01, 04:01; DPB1*01:01, 03:01, 05:01, 06:01, 09:01, 10:01, 11:01, 13:01, 14:01, 15:01, 17:01, 20:01	LSM12	1000		12715												
147 L	None	EDTA	DP1, *02:01, 3, 5, 6, 9, 10, 11, 13, 14, 15, 17, 19, 20	LSM12	>1500		10756												
149 L	None	EDTA	DP1, 3, 5, 6, 9, 10, 11, 13, 14, 15, 17, 18, 19, 20	LSAII	2000		28-322												
157 L	EDTA	None	DPA1*02:01, 02:02, 03:01, 04:01; DPB1*01, 03, 05, 11, 19, 20	LS2A01	1000		14800												
159 L	None	EDTA	DP1, 3, 5, 6, 9, 10, 11, 13, 14, 15, 17, 18, 20, 28	LS2A01	1500		11469												
162 L	EDTA	None	DPB1*01:03, 05, 06, 09, 10, 11, 13, 14, 15, 17, 18, 19, 20; DPA1*02:01, 04:01	LS2A01	1000		15520												
163 L	None	EDTA	DP1, 3, 5, 6, 9, 10, 11, 13, 14, 15, 17, 19, 20; DPA1*02:01, 04:01	LS2A01	2000		12120												
164 L	None	EDTA	DPB1*01, 03, 05, 06, 11, 13, 19	LS2A01	2000		14600												
165 F+E+L	None	EDTA	DP1, 3, 5, 6, 9, 10, 11, 13, 14, 15, 17, 18, 19, 20, 28	LS2A01	866		12411												
169 L	None	EDTA	DOA1*03:02, 03:03, 05:01, 05:03, 05:05, 06:01; DP1, 3, 5, 6, 9, 10, 13, 14, 17, 19, 20	LS2A01	1000		2650												
181 L	None	EDTA	DPB1*01, 03, 05, 06, 09, 10, 11, 13, 14, 15, 17, 19, 20; DPA1*02:01, 04:01	LS2A01	500		11439												
185 L	EDTA	None	DOA1*02, 03, 04, 05, 06; DPB1*01:01, 03:01, 05:01, 06:01, 09:01, 10:01, 11:01, 13:01, 14:01, 15:01, 17:01, 18:01, 19:01, 20:01, 28:01	LSAII	2000		326												
186 L	None	EDTA	DOA*02; DP1, 3, 4, 5, 13, 14, 17, 19, 28	LS2A01	1000		8252												
190 L	EDTA	None	DPB1*01, 03, 04, 05, 06, 09, 10, 11, 13, 14, 15, 17, 18, 19, 20, 28	LS2A01	1000		12338												
193 L	EDTA	None	DPB1*01:01, 03:01, 05:01, 06:01, 09:01, 10:01, 11:01, 13:01, 14:01, 15:01, 17:01, 18:01, 19:01, 20:01, 28:01	LS2A01	1000		12942												
194 L	EDTA	None	DP1, 3, 5, 6, 9, 10, 11, 13, 14, 15, 17, 18, 19, 20, 28	LS2A01	1000		12800												
195 L	None	EDTA	DP1, 3, 5, 6, 9, 10, 11, 13, 14, 15, 17, 19, 20; DPA1*02:01, 04:01	LS2A01	1000		12234												
204 L	EDTA	None	DP1, 3, 5, 6, 9, 10, 11, 13, 14, 15, 17, 19, 20	LS2A01	1000		11783												
206 L	EDTA	None	DP1, 3, 5, 6, 9, 10, 11, 13, 14, 15, 17, 19, 20	LS2A01	500		13968												
209 L	None	EDTA	DP1, 3, 5, 6, 9, 10, 11, 13, 14, 15, 17, 18, 19, 20, 28	LS2A01	500														
210	None	EDTA	DP1, 3, 5, 6, 9, 10, 11, 13, 14, 15, 17, 18, 19,																