





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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 301/2018

DESPATCHED ON 17 APRIL 2018

HLA specificity for assessment																													
Lab n	spec	tech	A43 Not Assessed 52.1%			A80 Present 93.2%			B51 Not Assessed 5.5%			B5102 Absent 1.4%			B52 Not Assessed 5.5%			B7 Present 95.9%			B703 Not Assessed 16.4%			B8 Not Assessed 27.4%			B44 Absent 2.7%		
			MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech
9 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000								
11 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000								
12 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000	B51	L	< 2000	B5102	L	< 2000	B52	L	< 2000	B7	L	> 5000			B8	L	< 2000			
14 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000								
15 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000			B8	L	< 2000			
19 A36	L		> 5000			< 2000	A80	L	> 5000										B7	L	> 5000								
20 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000								
23 A36	L		> 5000			< 2000	A80	L	> 5000										B7	L	> 5000								
24 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000								
25 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000								
26 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000								
28 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000							B52	L	< 2000	B7	L	> 5000			B8	L	< 2000			
34 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000								
35 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000								
38 A36	L		> 5000			< 2000	A80	L	> 5000										B7	L	> 5000	B703	L	> 5000					
39 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000								
41 A36	L		> 5000			< 2000	A80	L	> 5000										B7	L	> 5000								
42 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	C, L	> 5000			B8	L	> 5000			
45 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000								
48 A36	L		> 5000			< 2000	A80	L	> 5000										B7	L	> 5000								
51 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000			B8	L	< 2000			
54 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000								
58 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000								
62 A36	L		> 5000			< 2000	A80	L	> 5000										B7	L	> 5000								
108 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000	B703	L	> 5000	B8	L	< 2000		
112 A36	L		> 5000			< 2000	A80	L	> 5000										B7	L	> 5000	B703	L	> 5000	B8	L	< 2000		
114 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000			B8	L	< 2000			
116 A36	L		> 5000			< 2000	A80	L	> 5000										B7	L	> 5000								
117 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000			B8	L	< 2000			
119 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000			B8	L	< 2000			
120 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000			B8	L	< 2000			
133 A36	L		> 5000			< 2000	A80	L	> 5000										B7	L	> 5000								
136 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	C, L	> 5000								
142 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000			B8	L	< 2000			
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145 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000								
149 A36	L		> 5000			< 2000	A80	L	> 5000										B7	L	> 5000	B703	L	> 5000					
157 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000								
160 A36	L		> 5000			< 2000	A80	L	> 5000										B7	L	> 5000								
162 A36	L		> 5000			< 2000	A80	L	> 5000										B7	L	> 5000								
165 A36	L		> 5000			< 2000	A80	L	> 5000										B7	L	> 5000								
169 A36	L		> 5000			< 2000	A80	L	> 5000										B7	L	> 5000								
181 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000			B8	L	< 2000			
185 A36	L		> 5000			< 2000	A80	L	> 5000										B7	L	> 5000	B703	L	> 5000	B8	L	< 2000		
194 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000								
195 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000								
197 A36	L		> 5000			< 2000	A80	L	> 5000										B7	L	> 5000			B8	L	> 5000			
208 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	C, L	> 5000			B8	L	> 5000			
212 A36	L		> 5000			< 2000	A80	L	> 5000										B7	L	> 5000			B8	L	> 5000			
214 A36	L		> 5000			< 2000	A80	L	> 5000										B7	L	> 5000	B703	L	> 5000					
216 A36	L		> 5000			< 2000	A80	L	> 5000										B7	L	> 5000								
218 A36	L		> 5000			< 2000	A80	L	> 5000										B7	L	> 5000	B703	L	> 5000					
222 A36	F		> 5000	A43	L	< 2000	A80	F	> 5000	B51	F					B52	F		B7	F	> 5000	B703	L	> 5000	B8	F		B44	F
227 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000			B8	L	< 2000			
229																													
230 A36	L		> 5000			< 2000	A80	L	> 5000	B51	L	> 5000				B52	L	> 5000	B7	L	> 5000								
232 A36	L		> 5000			< 2000	A80	L	> 5000										B7	L	> 5000								
242 A36	L		> 5000			< 2000	A80	L	> 5000										B7	L	> 5000	B703	L	> 5000					
252																			B7	L	> 5000								
267 A36	L		> 5000			< 2000	A80	L	> 5000	B51	L	> 5000							B7	L	> 5000	B703	L	> 5000					
268 A36	L		> 5000			< 2000	A80	L	> 5000										B7	L	> 5000								
273 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000								
277 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000			B8	L	< 2000			
284 A36	L		> 5000	A43	L	< 2000	A80	L	> 5000										B7	L	> 5000								
292																			B7	L	> 5000								





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HLA specificity for assessment		B60 Present 93.2%			B61 Present 91.4%			B41 Not Assessed 43.8%			B42 Present 91.8%			B46 Absent 4.1%			B47 Present 93.2%			B48 Present 91.8%			B53 Absent 2.7%			B59 Absent 4.1%				
Lab n	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				B60	L	> 5000	B61	L	> 5000			B42	L	> 5000			B47	L	> 5000	B48	L	> 5000								
11				B60	L	> 5000	B61	L	> 5000			B42	L	> 5000			B47	L	> 5000	B48	L	> 5000								
12 B37	L		< 2000	B60	L	> 5000	B61	L	> 5000	B41	L	< 2000	B42	L	> 5000			B47	L	> 5000	B48	L	> 5000							
14				B60	L	> 5000	B61	L	> 5000			B42	L	> 5000			B47	L	> 5000	B48	L	> 5000								
15 B37	L		< 2000	B60	L	> 5000	B61	L	> 5000	B41	L	< 2000	B42	L	> 5000			B47	L	> 5000	B48	L	> 5000							
19				B60	L	> 5000	B61	L	> 5000			B42	L	> 5000			B47	L	> 5000	B48	L	> 5000								
20				B60	L	> 5000	B61	L	> 5000			B42	L	> 5000			B47	L	> 5000	B48	L	> 5000								
23				B60	L	> 5000	B61	L	> 5000	B41	L	< 2000	B42	L	> 5000			B47	L	> 5000	B48	L	> 5000							
24				B60	L	> 5000	B61	L	> 5000			B42	L	> 5000			B47	L	> 5000	B48	L	> 5000								
25				B60	L	> 5000	B61	L	> 5000	B41	L	< 2000	B42	L	> 5000			B47	L	> 5000	B48	L	> 5000							
26				B60	L	> 5000	B61	L	> 5000			B42	L	> 5000			B47	L	> 5000	B48	L	> 5000								
28				B60	L	> 5000	B61	L	> 5000	B41	L	< 2000	B42	L	> 5000			B47	L	> 5000	B48	L	> 5000							
34				B60	L	> 5000	B61	L	> 5000			B42	L	> 5000			B47	L	> 5000	B48	L	> 5000								
35				B60	L	> 5000	B61	L	> 5000			B42	L	> 5000			B47	L	> 5000	B48	L	> 5000								
38				B60	L	> 5000	B61	L	> 5000			B42	L	> 5000			B47	L	> 5000	B48	L	> 5000								
39				B60	L	> 5000	B61	L	> 5000			B42	L	> 5000			B47	L	> 5000	B48	L	> 5000								
41				B60	L	> 5000	B61	L	> 5000			B42	L	> 5000			B47	L	> 5000	B48	L	> 5000								
42				B60	L	> 5000	B61	L	> 5000	B41	L	< 2000	B42	L	> 5000			B47	L	> 5000	B48	L	> 5000							
45				B60	L	> 5000	B61	L	> 5000			B42	L	> 5000			B47	L	> 5000	B48	L	> 5000								
48				B60	L	> 5000	B61	L	> 5000			B42	L	> 5000			B47	L	> 5000	B48	L	> 5000								
51				B60	L	> 5000	B61	L	> 5000	B41	L	< 2000	B42	L	> 5000			B47	L	> 5000	B48	L	> 5000							
54				B60	L	> 5000	B61	L	> 5000	B41	L	< 2000	B42	L	> 5000			B47	L	> 5000	B48	L	> 5000							
58				B60	L	> 5000	B61	L	> 5000	B41	L	< 2000	B42	L	> 5000			B47	L	> 5000	B48	L	> 5000							
62				B60	L	> 5000	B61	L	> 5000			B42	L	> 5000			B47	L	> 5000	B48	L	> 5000								
100				B60	L	> 5000	B61	L	> 5000	B41	L	< 2000	B42	L	> 5000			B47	L	> 5000	B48	L	> 5000							
112				B60	L	> 5000	B61	L	> 5000			B42	L	> 5000			B47	L	> 5000	B48	L	> 5000								
114				B60	L	> 5000	B61	L	> 5000	B41	L	< 2000	B42	L	> 5000			B47	L	> 5000	B48	L	> 5000							
116				B60	L	> 5000	B61	L	> 5000			B42	L	> 5000			B47	L	> 5000	B48	L	> 5000								
117				B60	L	> 5000	B61	L	> 5000	B41	L	< 2000	B42	L	> 5000			B47	L	> 5000	B48	L	> 5000							
119				B60	L	> 5000	B61	L	> 5000	B41	L	< 2000	B42	L	> 5000			B47	L	> 5000	B48	L	> 5000							
120				B60	L	> 5000	B61	L	> 5000	B41	L	< 2000	B42	L	> 5000			B47	L	> 5000	B48	L	> 5000							
133				B60	L	2000-5000	B61	L	2000-5000			B42	L	2000-5000			B47	L	> 5000	B48	L	> 5000								
136				B60	L	> 5000	B61	L	> 5000	B41	L	< 2000	B42	L	> 5000			B47	L	> 5000	B48	L	> 5000							
142				B60	L	> 5000	B61	L	> 5000	B41	L	< 2000	B42	L	> 5000			B47	L	> 5000	B48	L	> 5000							
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157				B60	L	> 5000	B61	L	> 5000	B41	L	< 2000	B42	L	> 5000			B47	L	> 5000	B48	L	> 5000							
160				B60	L	> 5000	B61	L	> 5000			B42	L	> 5000			B47	L	> 5000	B48	L	> 5000								
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165				B60	L	> 5000	B61	L	> 5000			B42	L	> 5000			B47	L	> 5000	B48	L	> 5000								
169				B60	L	> 5000	B61	L	> 5000			B42	L	> 5000			B47	L	> 5000	B48	L	> 5000								
181				B60	L	> 5000	B61	L	> 5000	B41	L	< 2000	B42	L	> 5000			B47	L	> 5000	B48	L	> 5000							
185				B60	L	> 5000	B61	L	> 5000	B41	L	< 2000	B42	L	2000-5000			B47	L	> 5000	B48	L	> 5000							
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197 B37	L		2000-5000	B60	L	> 5000	B61	L	> 5000	B41	L	> 5000	B42	L	> 5000			B47	L	> 5000	B48	L	> 5000							
206				B60	L	> 5000	B61	L	> 5000			B42	L	> 5000			B47	L	> 5000	B48	L	> 5000								
212 B37	L		> 5000	B60	L	> 5000	B61	L	> 5000	B41	L	> 5000	B42	L	> 5000			B46	L	2000-5000	B47	L	> 5000	B48	L	> 5000	B53	L	2000-5000	
214				B60	L	2000-5000	B61	L	> 5000			B42	L	> 5000			B47	L	> 5000	B48	L	> 5000								
216				B60	L	> 5000	B61	L	> 5000			B42	L	> 5000			B47	L	> 5000	B48	L	> 5000								
218				B60	L	> 5000	B61	L	2000-5000			B42	L	> 5000			B47	L	> 5000	B48	L	> 5000								
222 B37	F			B60	F	> 5000	B61	F	> 5000	B41	F	> 5000	B42	F	> 5000			B46	F	> 5000	B47	F	> 5000	B48	F	> 5000	B53	F	B59	F
227				B60	L	> 5000	B61	L	> 5000	B41	L	< 2000	B42	L	> 5000			B47	L	> 5000	B48	L	> 5000							
229				B60	L	> 5000	B61	L	> 5000			B42	L	> 5000			B47	L	> 5000	B48	L	> 5000								
230 B37	L		> 5000	B60	L	> 5000	B61	L	> 5000	B41	L	> 5000	B42	L	> 5000	B46	L	< 2000	B47	L	> 5000	B48	L	> 5000				B59	L	> 5000
232				B60	L	> 5000	B61	L	> 5000			B42	L	> 5000			B47	L	> 5000	B48	L	> 5000								
242				B60	L	> 5000	B61	L	> 5000			B42	L	> 5000			B47	L	> 5000	B48	L	> 5000								
252				B60	L	> 5000	B61	L	> 5000			B42	L	> 5000			B47	L	> 5000	B48	L	> 5000								
267				B60	L	< 2000	B61	L	< 2000			B42	L	< 2000			B47	L	> 5000	B48	L	> 5000								
268																														

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HLA specificity for assessment																																			
B71 Present 93.2%				B72 Not Assessed 5.5%				B73 Present 93.2%				B78 Absent 4.1%				B81 Present 91.8%				B82 Present 90.4%				Cw1 Not Assessed 49.3%				Cw2 Present 75.3%				Cw9 Absent 4.1%			
Consi	Present	% rec	93.2%	Consi	Present	% rec	93.2%	Consi	Present	% rec	93.2%	Consi	Present	% rec	4.1%	Consi	Present	% rec	91.8%	Consi	Present	% rec	90.4%	Consi	Not Assessed	% rec	49.3%	Consi	Present	% rec	75.3%	Consi	Absent	% rec	4.1%
Lab n	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 B67	L	> 5000														B81	L	> 5000	B82	L	> 5000	Cw1	C	< 2000											
11 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	< 2000								
12 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	2000-5000	Cw2	L	2000-5000								
14 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
15 B67	L	> 5000								B73	L	> 5000				B81	L;	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
19 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
20 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	2000-5000	Cw2	L	2000-5000								
23 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
24 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
25 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
26 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
28 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	2000-5000	Cw2	L	> 5000								
34 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
35 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
38 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
39 B67	L	> 5000								B73	L	> 5000							B82	L	> 5000				Cw2	L	2000-5000								
41 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000				Cw2	L	2000-5000								
42 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
45 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
48 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
51 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	2000-5000	Cw2	L	2000-5000								
54 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	2000-5000	Cw2	L	2000-5000								
58 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
62 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
100 B67	L	> 5000								B73	L	2000-5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
112 B67	L	> 5000								B73	L	2000-5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	< 2000								
114 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
116 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
117 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	< 2000								
119 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	> 5000								
120 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	> 5000								
133 B67	L	2000-5000								B73	L	2000-5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
136 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	2000-5000	Cw2	L	2000-5000								
142 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	2000-5000	Cw2	L	2000-5000								
143 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
145 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
149 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
157 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
160 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
162 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
165 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
169 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
181 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
185 B67	L	2000-5000								B73	L	2000-5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	< 2000								
194 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
195 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
197 B67	L	> 5000								B73	L	2000-5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
206 B67	L	> 5000								B73	L	> 5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000								
212 B67	L	> 5000								B73	L	2000-5000	B78	L	2000-5000	B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	2000-5000	Cw9	L	> 5000					
214 B67	L	> 5000								B73	L	2000-5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	< 2000								
216																																			
218 B67	L	> 5000								B73	L	2000-5000				B81	L	> 5000	B82	L	> 5000	Cw1	L	< 2000	Cw2	L	< 2000								
222 B67	F	> 5000								B73	F	2000-5000	B78	F	2000-5000	B81	F	>																	





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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 301/2011

DESPATCHED ON 17 APRIL 2018

Lab no.	Technique used	Sample Treatment IgG	High Background	Neg control serum batch	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	EDTA	NO	18		LSIA04	1000	8800	81																
11	L	EDTA	NO	18		LSIA04	1000	3102	101																
12	L	EDTA	NO	18		LSIA04	500	9374	114	LSM12	5.5	3403	273												
14	L	EDTA, Heat inactivation	NO	18		LSIA04	1500	11922	23																
15	L	EDTA	NO	18		LSIA04	1000	11707	35																
19	L	EDTA	NO	18		LSIA04	1000	8410	66																
20	C, L	EDTA	NO	In House	A*34:02	LSIA04	1000	12098	100																
23	L	EDTA	NO	19		LSIA04	1000	9675	21																
24	L	EDTA	NO	18	A*34:02	LSIA04	1000	7781	57	LSM12	4.5	9402	475	LS1PRA	1000	9311	454	LSA1SA	1500	11446	80				
25	L	EDTA	NO	19		LSIA04	1000	10056	53	LSM12	7.1	12825	133.62	LSA1SA	1500	11828	84								
26	L	EDTA	NO	19		LSIA04	1251	10852	73	LSM12	3.6	11900	94												
28	L	EDTA	NO	19		LSIA04	500	10443	28																
34	L	EDTA	NO	18		LSIA04	1424982	12007	20																
35	L	EDTA	NO	19		LSIA04	1000	12117	15																
38	L	EDTA	NO	18		LSIA04	1000	10301	25	LSA1SA		16256	87												
39	L	EDTA	NO	18		LSIA04	1380	9733	23																
41	L	EDTA	NO	18		LSIA04	2000	7706	15																
42	L	EDTA	NO	19		LSIA04	500	12155	178																
45	L	EDTA	NO	19		LSIA04	1500	12000	40																
48	L	Adsorption beads Heat inactivation	NO	19	A*34:02																				
51	L	EDTA	NO	18		LSIA04	1100	10749	36																
54	L	EDTA	NO	18		LSIA04	1000	7984	95																
58	L	EDTA	NO	18		LSIA04	1000	10730	59																
62	L	EDTA	NO	19		LSIA04	>1500	13906	54	LSA1SA	750	12741	127												
100	L	EDTA	NO	3008187		LSA1SA	541	13032	202																
112	L	EDTA	NO	3005724		LSA1SA	500	15295	179																
114	L	EDTA	NO	18		LSIA04	1000	5652	25																
116	L	EDTA	NO	18		LSIA04	1000	5795	55	LSM12		6228	124												
117	L	EDTA	NO	18		LSIA04	500	8770	29																
119	L	EDTA	NO	17		LSIA04	1000	7887	23	LSM12	1.5	9415	29												
120	L	EDTA	NO	3005724	A*34:02	A*01:01, A*03:01, A*11:01, A*11:02, A*24:02, A*24:03, A*25:01, A*29:02, A*30:01, A*31:01, A*32:01, A*38:01, A*66:02, A*74:01, A*80:01, B*07:01:02:03, B*13:02, B*27:03:05:08, B*40:01, B*40:02, B*42:01, B*47:01, B*48:01, B*54:01, B*55:01, B*56:01, B*57:01, B*58:01, B*58:02, B*73:01, B*81:01, B*82:02	LSA1SA	500	7916	21															
133	L	EDTA	NO	3005724	A*01:01, A*03:01, A*11:01, A*11:02, A*24:02, A*24:03, A*25:01, A*29:02, A*30:01, A*31:01, A*32:01, A*38:01, A*66:02, A*74:01, A*80:01, B*07:01:02:03, B*13:02, B*27:03:05:08, B*40:01, B*40:02, B*42:01, B*47:01, B*48:01, B*54:01, B*55:01, B*56:01, B*57:01, B*58:01, B*58:02, B*73:01, B*81:01, B*82:02	LSA1SA	12546	83																	
138	C, L	EDTA	NO	18		LSIA04	1000	13900	70																
142	L	EDTA	NO	18		LSIA04	1000	7690	45																
143	L	EDTA	NO	15		LSIA04	1000	14559	318																
145	L	EDTA	NO	18		LSIA04	1000	9453	29																
149	L	EDTA	NO	18		LSA1SA	1000	21469	305																
157	L	EDTA	NO	18	A*34:02	LSIA04	1000	7202.6	46.88																
160	L	Adsorption Beads	NO	17		LSIA04	1000	6680	14.4																
162	L	EDTA	NO		A*34:02	LSIA04	1000	9399	38	LSM12	3	7767	53												
165	L	EDTA	NO	18		LSIA04	1000	5460	154																
169	L	EDTA	NO	18		LSIA04	1000	8655	63																
181	L	EDTA	NO	18		LSIA04	500	9094	28																
185	L	EDTA	NO		A*66:02, A*66:01	LSA1SA	2	10343	149	LM1	2	18649	563	LMX	1	18963	81								
194	C, L	EDTA	NO	18		LSIA04	1000	10464	33																
195	L	EDTA	NO	18		LSIA04	1000	9236	91																
206	C, L	EDTA	NO			LSIA04	1000	14407	23																
212	L	EDTA	NO			LM1	1000	20123	70																
214	L	EDTA	YES		A*01:01:03:01/11:01/11:02/2	LSA1SA	750	10021	120																
216	L	EDTA	NO	3005464	A*01:01, A*03:01, A*11:01, A*11:02, A*23:01 A*24:02, A*24:03, A*25:01, A*29:01, A*29:02, A*30:01, A*32:01, A*33:03, A*36:01, A*66:01, B*07:02, B*07:03, B*13:02, B*27:03, B*27:05, B*40:01, B*40:02, B*42:01, B*47:01, B*48:01, B*54:01, B*55:01, B*56:01, B*57:01, B*58:01, B*58:02, B*73:01, B*81:01, B*82:02, B*15:16:B*83, C*02:02, C*04:01	LM1 LSA1SA	3000 1000	19671 19650	681 212																
222	F	EDTA	NO																						
227	L	Dilution	NO																						
229	L	EDTA	NO	3006061		LM1	1000	>10000	37																
230	L	EDTA	NO	18		LSIA04	1000	7291	12																
242	L	Adsorption Beads	NO	18	B*40:01, B*40:02	LSA1SA	1000	18527	93																
252	L	EDTA	NO			LM1	2	21242	330																
267	L	EDTA	NO		A*34:02, A*66:02	LSA1SA	500	15287	168																
288	C, L	EDTA	NO			LSIA04	2000	11381	13	LS1PRA	2000	7036	83												
273	L	EDTA	NO	19		LSIA04	1500	11858	27																
277	L	EDTA	NO	19		LSIA04	500	7980	25																
284	L	EDTA	NO	18	A*34:01	LSIA04	1000	6729	18.94	LSM12	2.5	10586	46												
292	L	EDTA	NO	18		LSIA04	500	11684	137																
293	L	EDTA	NO	18		LSIA04	500	7984	20.7																
294	L	EDTA	NO	18	A*66:02, A*33:01	LSA1SA	11874																		
302	L	EDTA, Heat inactivation	NO	18		LSIA04	1000	8095	130																
309	L	EDTA	NO	18	A*66:02	LSA1SA	500	13954	108																
351	L	EDTA	NO	3006015	A*66:02	LSIA04	1500	8875	65																
361	L	EDTA	NO	3006015	A*66:02	LSA1SA	500	14599	118																

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

NEQ-119

Issue 2

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Effective Date 13/10/16

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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 302/2018

DESPATCHED ON 17 APRIL 2018

HLA specificity for assessment																														
Lab no.	A1 Present 97.3%			A2 Absent 1.4%			A23 Present 95.9%			A24 Present 95.9%			A2403 Absent 1.4%			A25 Present 83.6%			A26 Not Assessed 19.2%			A66 Absent 4.1%			A11 Present 76.7%			A29 Not Assessed 9.6%		
	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000	A26	L	< 2000				A11	L	2000-5000							
11	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000							A11	L	2000-5000							
12	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000							A11	L	2000-5000							
14	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000							A11	L	< 2000							
15	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	< 2000							A11	L	< 2000							
19	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	< 2000							A11	L	< 2000							
20	A1	C, L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000							A11	L	2000-5000							
23	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000	A26	L	< 2000				A11	L	< 2000							
24	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000							A11	L	2000-5000	A29	L	< 2000				
25	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000							A11	L	< 2000							
26	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	< 2000							A11	L	< 2000							
28	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000	A26	L	< 2000				A11	L	2000-5000							
34	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	< 2000							A11	L	< 2000							
35	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000							A11	L	< 2000							
38	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	< 2000							A11	L	< 2000							
39	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	< 2000							A11	L	< 2000							
41	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000							A11	L	< 2000							
42	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000	A26	L	< 2000	A66	L	< 2000	A11	L	2000-5000	A29	L	< 2000				
45	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000							A11	L	2000-5000							
48	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000							A11	L	2000-5000							
51	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000							A11	L	2000-5000							
54	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000	A26	L	< 2000				A11	L	2000-5000	A29	L	< 2000				
58	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000							A11	L	< 2000							
62	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000				A66	L	2000-5000	A11	L	2000-5000							
100	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	< 2000	A26	L	< 2000				A11	L	< 2000							
112	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	< 2000							A11	L	< 2000							
114	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	< 2000							A11	L	< 2000							
116	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	< 2000							A11	L	< 2000							
117	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	< 2000							A11	L	< 2000							
119	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000	A26	L	< 2000				A11	L	2000-5000	A29	L	< 2000				
120	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	< 2000							A11	L	< 2000							
133	A1	L	> 5000			A23	L	2000-5000	A24	L	2000-5000	A25	L	< 2000							A11	L	< 2000							
136	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000							A11	L	2000-5000							
142	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000	A26	L	< 2000				A11	L	2000-5000	A29	L	< 2000				
143	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000							A11	L	> 5000							
145	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000							A11	L	< 2000							
149	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	< 2000							A11	L	< 2000							
157	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000							A11	L	2000-5000							
160	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	< 2000							A11	L	< 2000							
162	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000							A11	L	< 2000							
165	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	< 2000							A11	L	< 2000							
169	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000	A26	L	< 2000				A11	L	2000-5000	A29	L	< 2000				
181	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000	A26	L	< 2000				A11	L	< 2000							
185	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	< 2000							A11	L	< 2000							
194	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000							A11	L	2000-5000							
195	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	< 2000							A11	L	< 2000							
197	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	> 5000							A11	L	< 2000							
206	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000							A11	L	< 2000							
212	A1	L	> 5000									A25	L	< 2000	A26	L	2000-5000	A66	L	> 5000	A11	L	2000-5000							
214	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	< 2000							A11	L	< 2000							
216	A1	L	> 5000			A23	L	> 5000	A24	L	2000-5000										A11	L	< 2000							
218	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000										A11	L	< 2000							
222	A1	F	> 5000			A23	F	> 5000	A24	F	> 5000										A11	F	< 2000							
227	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	< 2000							A11	L	< 2000							
229	Background																													
230	A1	L	> 5000			A23	L	> 5000	A24	L	2000-5000										A11	L	2000-5000							
232	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000							A11	L	> 5000							
242	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	< 2000							A11	L	< 2000							
252	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000										A11	L	< 2000							
267	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	< 2000							A11	L	< 2000							
268	A1	L	> 5000			A23	L	> 5000	A24	L	> 5000	A25	L	2000-5000							A11	L	2000-5000							
273	A1	L	> 5000			A23	L	> 5000	A24	L																				





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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 302/2018

DESPATCHED ON 17 APRIL 2018

HLA specificity for assessment																														
Lab n	B39			B58			B18			B49			B50			B54			B55			B56			B27			B37		
	Consr	Absent	% rep	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	
9																														
11																														
12																														
14																														
15																														
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58																														
62																														
100																														
112																														
114																														
116																														
117																														
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169																														
181																														
185																														
194																														
195																														
197																														
206																														
212	B39	L	> 5000	B58	L	2000-5000												B55	L	2000-5000						B27	L	2000-5000		
214																														
216																														
218																														
222							B18	F	B49	F	B50	F	B54	F												B37	F			
227																														
229																														
230																														
232																														
242																														
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268																														
273																														
277																														
284																														
292																														
293																														
294																														
302																														
303							B58	L	2000-5000																					
309																														
351																														
361																														
392																														

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

1	< 2000	2	< 2000	1	< 2000	1	< 2000	1	< 2000	2	< 2000	1	< 2000	1	< 2000	1	< 2000	1	< 2000	3	< 2000
73	0	73	0	73	0	73	0	73	0	73	0	73	0	73	0	73	0	73	0	73	2
	2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
	0		2		0		0		0		0		1		0		1		1		0
	> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000
	1		0		0		0		0		0		0		0		0		0		0

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Effective Date 13/10/16





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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 302/2011

DESPATCHED ON 17 APRIL 2018

Lab no.	Techniques used IgG	Sample Treatment IgG	High Background	Neg control serum batch	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		EDTA	NO		A*24:02	LS1A04	1000	9000	113												
11 L		EDTA	NO	18	A*24:02	LS1A04	1000	3403	273												
12 L		EDTA	NO	18	A*24:02	LS1A04	500	10447	162												
14 L		EDTA, Heat Inactivation	NO	18	A*24:02	LS1A04	1500	13051	63												
15 L		EDTA	NO		A*24:02	LS1A04	1000	10680	59												
19 L		EDTA	NO	4	A*24:02	LS1A04	1000	11487	49												
20 L		EDTA	NO	In House		LS1A04	1000	10982	62												
23 L		EDTA	NO	19	A*24:02	LS1A04	1000	11273	57												
24 L		EDTA	NO	18	A*24:02, A*29:02	LS1A04	1000	12574	181					LS1PRA	1000	9752	1111	LSA1SA	1500	11044	95
25 L		EDTA	NO	19	A*24:02	LS1A04	1000	11079	112												
26 L		EDTA	NO	19	A*24:02	LS1A04	1313	12433	90												
28 L		EDTA	NO			LS1A04	500	9736	47												
34 L		EDTA	NO	18	A*24:02	LS1A04	1294/674	12437	27												
35 L		EDTA	NO	19	A*24:02	LS1A04	1000	14556	29												
38 L		EDTA	NO	18	A*24:02	LS1A04	1000	10745	21					LSA1SA	16486	113					
39 L		EDTA	NO	18	A*24:02	LS1A04	1040	10765	41												
41 L		EDTA	NO	18	A*24:02	LS1A04	2000	10191	50												
42 L		EDTA	NO	19	A*24:02, A*33:01	LS1A04	500	13257	364												
45 L		EDTA	NO			LS1A04	1500	13000	90												
48 L		Adsorption Beads EDTA	NO	19	A*24:02																
51 L		EDTA	NO			LS1A04	2500	8594	94												
54 L		EDTA	NO	18		LS1A04	1000	9394	112												
58 L		EDTA	NO	18		LS1A04	1000	11176	74												
62 L		EDTA	NO	19		LS1A04	>1500	15461	139												
100 L		EDTA	NO	3006187		LSA1SA	493	12847	252												
112 L		EDTA	NO	3005724	A*24:02	LSA1SA	500	15585	231												
114 L		EDTA	NO			LS1A04	1000	6331	64												
116 L		EDTA, Adsorption Beads	YES	18	A*24:02	LS1A04	1000	8469	79					LSM12	7516	537					
117 L		EDTA	NO	18	A*24:02	LS1A04	500	9493	66												
119 L		EDTA, Adsorption Beads	YES	17	A*24:02	LS1A04	1000	15929	53					LSM12	1.5	14055	175				
120 L		EDTA	NO		A*24:02	LS1A04	500	9109	53												
133 L		Heat Inactivation	NO	3005724	A*01:01, A*23:01, A*24:02, A*36:01, A*43:01, A*80:01, B*15:12	LSA1SA		12912	118												
136 C, L		EDTA	NO		A*24:02	LS1A04	1000	16754	116												
142 L		EDTA	NO			LS1A04	1000	13646	147												
143 L		EDTA	NO			LS1A04	1000	16720	349												
145 L		EDTA	NO	15	A*24:02	LS1A04	1000	10773	29												
148 L		EDTA	NO		A*24:02	LSA1SA	1000	16544	342												
157 L		EDTA	NO	18	A*24:02	LS1A04	1000	8534.8	64.48												
160 L		Adsorption Beads	NO	17		LS1A04	1000	11560	44												
162 L		EDTA	NO		A*24:02	LS1A04	1000	11998	125					LSM12	3	7949	289				
165 L		EDTA	NO			LS1A04	67	6337	94												
169 L		EDTA	NO		A*24:02	LS1A04	1000	8228	131												
181 L		EDTA	NO	18		LS1A04	500	10518	77												
185 L		EDTA	NO			LSA1SA	2	16000	144					LM1	2	19949	547	LMX	1	19522	114
194 C, L		EDTA	NO			LS1A04	1000	11107	78												
195 L		EDTA	NO			LS1A04	1000	10754	43												
197 L		EDTA	NO			LS1A04	1000	13804	69												
206 L		EDTA	NO		A*24:02	LS1A04	1000	16918	240												
212 L		EDTA	NO			LM1	1500	12098													
214 L		EDTA	YES		A*01:01/11:01/11:02/23:01/24:02/24:03/25:01/36:01/43:01/82:01, B*08:01/15:12/44:03/45:01/82:02	LSA1SA	750														
216 L		EDTA	NO	3005464		LM1	3000	18763	349												
218 L		EDTA	NO		A*01:01, A*23:01, A*24:02, A*36:01, A*43:01, A*80:01, B*08:01, B*15:12/B*76, B*82:02	LSA I&II	1000	15650	212												
222 F		EDTA	NO		A*24:02																
227 L		Dilution	NO		A*24:02																
229																					
230 L		EDTA	NO	3006081		LM1	1000	>10000	37												
232 L		EDTA	NO	18		LS1A04	1200	9935	41												
242 L		Adsorption Beads	NO		B*15:12	LSA1SA		17306	152												
252 L		EDTA	NO			LM1	2	21087	193												
267 L		EDTA	NO			LSA1SA	500	13262	270												
268 C, L		EDTA	NO	4	A*11:02, A*24:02	LS1A04	2000	9982	32					LS1PRA	2000	8745	433				
273 L		EDTA	NO		A*24:02	LS1A04	1500	12456	47												
277 L		EDTA	NO	19	A*24:02	LS1A04	500	8686	49												
284 L		EDTA	NO			LS1A04	1000	9404	32.73												
292 L		EDTA, Adsorption Beads	NO	18	A*24:02	LS1A04	500	12579	93					LSM12	2.5	13720	301				
293 L		EDTA	NO			LS1A04	500	8367	37.4												
294 L		EDTA	NO			LSA1SA		12742													
302 L		EDTA	NO			LSA1SA															
303 L		EDTA, Heat Inactivation	NO	18	A*24:02, A*33:01	LS1A04	1000	9698	143												
309 L		EDTA	NO			LSA1SA	490	13600	143												
351 L		EDTA	NO	18		LS1A04	1500	10851	104												
361 L		EDTA	NO	3006015		LSA1SA	500	14359	114												

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

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Effective Date 13/10/16



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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 303/2018

DESPATCHED ON 17 APRIL 2018

HLA specificity for assessment		A66 Present 94.5%			A33 Absent 1.4%			A69 Absent 1.4%			B7 Present 79.5%			B703 Absent 2.7%			B13 Present 78.1%			B64 Absent 1.4%			B38 Absent 1.4%			B39 Absent 4.1%					
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				
9	A34	L	2000-5000	A66	L	> 5000				B7	L	2000-5000			B13	L	2000-5000														
11	A34	L	< 2000	A66	L	2000-5000				B7	L	2000-5000			B13	L	2000-5000														
12	A34	L	2000-5000	A66	L	> 5000				B7	L	2000-5000			B13	L	2000-5000														
14	A34	L	2000-5000	A66	L	> 5000				B7	L	< 2000			B13	L	< 2000														
15	A34	L	2000-5000	A66	L	> 5000				B7	L	< 2000			B13	L	< 2000														
19	A34	L	< 2000	A66	L	> 5000				B7	L	< 2000			B13	L	< 2000														
20	A34	L	< 2000	A66	L	> 5000				B7	L	< 2000			B13	L	< 2000														
23				A66	L	2000-5000				B7	L	2000-5000			B13	L	2000-5000														
24	A34	L	2000-5000	A66	L	> 5000				B7	L	2000-5000			B13	L	2000-5000														
25	A34	L	2000-5000	A66	L	> 5000				B7	L	2000-5000			B13	L	< 2000														
26	A34	L	< 2000	A66	L	2000-5000				B7	L	< 2000			B13	L	< 2000														
28	A34	L	2000-5000	A66	L	> 5000				B7	L	> 5000			B13	L	< 2000														
34	A34	L	2000-5000	A66	L	> 5000				B7	L	< 2000			B13	L	< 2000														
35				A66	L	2000-5000				B7	L	< 2000			B13	L	< 2000														
38				A66	L	2000-5000				B7	L	2000-5000			B13	L	2000-5000														
39	A34	L	< 2000	A66	L	2000-5000				B7	L	< 2000			B13	L	< 2000														
41				A66	L	2000-5000				B7	L	2000-5000			B13	L	2000-5000														
42	A34	L	2000-5000	A66	L	> 5000	A33	L	< 2000	B7	L	< 2000			B13	L	2000-5000														
45	A34	L	< 2000	A66	L	> 5000				B7	L	< 2000			B13	L	< 2000														
48				A66	L	2000-5000				B7	L	< 2000			B13	L	2000-5000														
51	A34	L	2000-5000	A66	L	> 5000				B7	L	2000-5000			B13	L	2000-5000														
54	A34	L	< 2000	A66	L	2000-5000				B7	L	2000-5000			B13	L	2000-5000									B38	L	< 2000	B39	L	< 2000
58	A34	L	2000-5000	A66	L	> 5000				B7	L	< 2000			B13	L	< 2000														
62	A34	L	2000-5000	A66	L	> 5000				B7	L	< 2000			B13	L	< 2000														
100				A66	L	< 2000				B7	L	2000-5000			B13	L	2000-5000														
112				A66	L	< 2000				B7	L	< 2000			B13	L	< 2000									B64	L	< 2000			
114				A66	L	2000-5000				B7	L	< 2000			B13	L	< 2000														
116	A34	L	< 2000	A66	L	2000-5000				B7	L	< 2000			B13	L	< 2000														
117	A34	L	< 2000	A66	L	2000-5000				B7	L	< 2000			B13	L	< 2000														
119				A66	L	2000-5000, > 5000				B7	L	2000-5000			B13	L	2000-5000														
120				A66	L	2000-5000				B7	L	< 2000			B13	L	< 2000														
133				A66	L	< 2000				B7	L	< 2000			B13	L	< 2000														
136	A34	L	2000-5000	A66	L	2000-5000				B7	L	2000-5000			B13	L	< 2000														
142	A34	L	2000-5000	A66	L	> 5000				B7	L	2000-5000			B13	L	2000-5000														
143	A34	L	2000-5000	A66	L	> 5000				B7	L	> 5000			B13	L	> 5000														
145	A34	L	< 2000	A66	L	2000-5000, > 5000				B7	L	2000-5000			B13	L	< 2000, 2000-5000														
149				A66	L	2000-5000				B7	L	2000-5000			B13	L	2000-5000														
157				A66	L	2000-5000				B7	L	2000-5000			B13	L	2000-5000														
160				A66	L	2000-5000				B7	L	< 2000			B13	L	< 2000														
162				A66	L	2000-5000				B7	L	< 2000			B13	L	2000-5000														
165				A66	L	> 5000				B7	L	> 5000			B13	L	> 5000														
169	A34	L	2000-5000	A66	L	> 5000				B7	L	> 5000			B13	L	> 5000														
181	A34	L	< 2000	A66	L	> 5000				B7	L	< 2000			B13	L	< 2000														
185				A66	L	< 2000				B7	L	< 2000			B13	L	< 2000														
194	A34	L	< 2000	A66	C, L	> 5000				B7	L	2000-5000			B13	L	2000-5000														
195	A34	L	2000-5000	A66	L	> 5000				B7	L	< 2000			B13	L	< 2000														
197				A66	L	> 5000				B7	L	2000-5000			B13	L	2000-5000														
206	A34	L	2000-5000	A66	L	> 5000				B7	L	< 2000			B13	L	< 2000														
212				A66	L	< 2000				B7	L	< 2000			B13	L	< 2000														
214				A66	L	< 2000				B7	L	< 2000			B13	L	< 2000														
216				A66	L	< 2000				B7	L	< 2000			B13	L	< 2000														
218				A66	L	< 2000				B7	L	< 2000			B13	L	< 2000														
222									A69	F					B7	F															
227	A34	L	< 2000	A66	L	2000-5000				B7	L	< 2000			B13	L	< 2000														
229				A66	L	< 2000				B7	L	< 2000			B13	L	< 2000														
230				A66	L	< 2000				B7	L	< 2000			B13	L	< 2000														
232	A34	L	< 2000	A66	L	2000-5000				B7	L	< 2000			B13	L	< 2000														
242				A66	L	< 2000				B7	L	< 2000			B13	L	< 2000														
252				A66	L	2000-5000				B7	L	2000-5000			B13	L	< 2000, 2000-5000														
267				A66	L	2000-5000				B7	L	< 2000			B13	L	< 2000														
268				A66	L	> 5000				B7	L	> 5000			B13	L	> 5000														
273	A34	L	2000-5000	A66	L	> 5000				B7	L	2000-5000			B13	L	2000-5000														
277	A34	L	< 2000	A66	L	2000-5000				B7	L	< 2000			B13	L	< 2000														
284	A34	L	2000-5000	A66	L	> 5000				B7	L	2000-5000			B13	L	2000-5000														
292	A34	L	< 2000	A66	L	2000-5000				B7	L	2000-5000			B13	L	2000-5000														
293	A34	L	< 2000	A66	L	< 2000				B7	L	< 2000			B13	L	< 2000														
294				A66	L	< 200																									



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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 303/2018

DESPATCHED ON 17 APRIL 2018

HLA specificity for assessment		B61 Present 79.5%			B41 Not Assessed 69.9%			B42 Not Assessed 54.8%			B46 Absent 1.4%			B47 Not Assessed 17.8%			B48 Not Assessed 52.1%			B59 Absent 2.7%			B67 Not Assessed 68.5%			B71 Absent 1.4%			
Consi %	Present 80.8%	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 B60	L		2000-5000	B61	L	2000-5000	B41	L	< 2000	B42	L	< 2000			B47	L	< 2000	B48	L	< 2000			B67	L			2000-5000		
11 B60	L		2000-5000	B61	L	2000-5000	B41	L	2000-5000	B42	L	< 2000						B48	L	< 2000			B67	L			2000-5000		
12 B60	L		2000-5000	B61	L	2000-5000	B41	L	< 2000	B42	L	< 2000						B48	L	< 2000			B67	L			< 2000		
14 B60	L		2000-5000	B61	L	2000-5000	B41	L	< 2000									B48	L	< 2000			B67	L			< 2000		
15 B60	L		< 2000	B61	L	< 2000	B41	L	< 2000									B48	L	< 2000			B67	L			< 2000		
19 B60	L		< 2000	B61	L	< 2000	B41	L	< 2000	B42	L	< 2000						B48	L	< 2000			B67	L			< 2000		
20 B60	L		< 2000	B61	L	< 2000	B41	L	< 2000									B48	L	< 2000			B67	L			< 2000		
23 B60	L		2000-5000	B61	L	2000-5000	B41	L	2000-5000	B42	L	< 2000						B48	L	< 2000			B67	L			2000-5000		
24 B60	L		2000-5000	B61	L	2000-5000	B41	L	< 2000	B42	L	< 2000						B48	L	< 2000			B67	L			< 2000		
25 B60	L		2000-5000	B61	L	2000-5000	B41	L	< 2000	B42	L	< 2000						B48	L	< 2000			B67	L			< 2000		
26 B60	L		< 2000	B61	L	< 2000																	B67	L			< 2000		
28 B60	L		2000-5000	B61	L	2000-5000	B41	L	< 2000	B42	L	< 2000			B47	L	< 2000	B48	L	< 2000			B67	L			< 2000		
34 B60	L		2000-5000	B61	L	< 2000	B41	L	< 2000	B42	L	< 2000						B48	L	< 2000			B67	L			< 2000		
35 B60	L		2000-5000	B61	L	< 2000, 2000-5000	B41	L	< 2000	B42	L	< 2000						B48	L	< 2000			B67	L			< 2000		
38 B60	L		2000-5000	B61	L	2000-5000	B41	L	2000-5000	B42	L	2000-5000			B47	L	< 2000	B48	L	2000-5000			B67	L			2000-5000		
39 B60	L		< 2000	B61	L	< 2000	B41	L	< 2000														B67	L			< 2000		
41 B60	L		2000-5000	B61	L	2000-5000	B41	L	2000-5000														B67	L			< 2000		
42 B60	L		< 2000	B61	L	< 2000	B41	L	< 2000	B42	L	< 2000			B47	L	< 2000	B48	L	< 2000			B67	L			< 2000		
45 B60	L		< 2000	B61	L	< 2000																	B67	L			< 2000		
48 B60	L		2000-5000	B61	L	2000-5000	B41	L	< 2000														B67	L			< 2000		
51 B60	L		2000-5000	B61	L	2000-5000	B41	L	2000-5000	B42	L	< 2000			B47	L	< 2000	B48	L	2000-5000			B67	L			2000-5000		
54 B60	L		2000-5000	B61	L	2000-5000	B41	L	2000-5000	B42	L	< 2000						B48	L	< 2000			B67	L			2000-5000		
58 B60	L		2000-5000	B61	L	2000-5000	B41	L	< 2000	B42	L	< 2000						B48	L	< 2000			B67	L			< 2000		
62 B60	L		2000-5000	B61	L	2000-5000	B41	L	2000-5000	B42	L	2000-5000						B48	L	< 2000			B67	L			2000-5000		
100																													
112 B60	L		< 2000															B48	L	< 2000			B67	L			< 2000		
114 B60	L		< 2000	B61	L	< 2000	B41	L	< 2000									B48	L	< 2000			B67	L			< 2000		
116 B60	L		2000-5000	B61	L	2000-5000	B41	L	< 2000	B42	L	< 2000						B48	L	< 2000			B67	L			< 2000		
117 B60	L		2000-5000	B61	L	2000-5000	B41	L	< 2000	B42	L	< 2000						B48	L	< 2000			B67	L			< 2000		
119 B60	L		2000-5000	B61	L	2000-5000	B41	L	2000-5000	B42	L	2000-5000			B47	L	< 2000	B48	L	< 2000			B67	L			2000-5000		
120 B60	L		2000-5000	B61	L	2000-5000	B41	L	< 2000	B42	L	< 2000						B48	L	< 2000			B67	L			< 2000		
133																													
136 B60	L		2000-5000	B61	L	2000-5000	B41	L	2000-5000	B42	L	< 2000						B48	L	< 2000			B67	L			2000-5000		
142 B60	L		2000-5000	B61	L	2000-5000	B41	L	< 2000	B42	L	< 2000											B67	L			2000-5000		
143 B60	L		> 5000	B61	L	> 5000	B41	L	> 5000	B42	L	2000-5000			B47	L	< 2000	B48	L	2000-5000			B67	L			> 5000		
145 B60	L		2000-5000	B61	L	2000-5000	B41	L	< 2000	B42	L	< 2000						B48	L	< 2000			B67	L			< 2000		
149 B60	L		2000-5000	B61	L	2000-5000	B41	L	< 2000	B42	L	< 2000						B48	L	< 2000			B67	L			< 2000		
157 B60	L		2000-5000	B61	L	2000-5000	B41	L	< 2000	B42	L	< 2000						B48	L	< 2000			B67	L			< 2000		
160 B60	L		< 2000	B61	L	< 2000	B41	L	< 2000														B67	L			< 2000		
162 B60	L		2000-5000	B61	L	2000-5000	B41	L	< 2000	B42	L	< 2000											B67	L			< 2000		
165																													
169 B60	L		> 5000	B61	L	> 5000	B41	L	> 5000	B42	L	> 5000	B46	L	< 2000	B47	L	2000-5000	B48	L	2000-5000	B59	L	< 2000	B67	L	> 5000		
181 B60	L		< 2000	B61	L	< 2000	B41	L	< 2000	B42	L	< 2000						B48	L	< 2000			B67	L			< 2000		
185 B60	L		< 2000	B61	L	< 2000	B41	L	< 2000						B47	L	< 2000						B67	L			< 2000		
194 B60	L		2000-5000	B61	L	2000-5000	B41	L	2000-5000	B42	L	< 2000						B48	L	< 2000			B67	L			2000-5000		
195 B60	L		2000-5000	B61	L	2000-5000	B41	L	< 2000	B42	L	< 2000											B67	L			< 2000		
197 B60	L		2000-5000	B61	L	2000-5000	B41	L	< 2000	B42	L	< 2000			B47	L	< 2000	B48	L	< 2000			B67	L			2000-5000		
206 B60	L		< 2000	B61	L	< 2000	B41	L	< 2000														B67	L			< 2000		
212																													
214																													
216																													
218																													
222 B60	F			B61	F		B41	F		B42	F											B59	F		B67	F		B71	F
227 B60	L		< 2000	B61	L	< 2000	B41	L	< 2000	B42	L	< 2000						B48	L	< 2000			B67	L			< 2000	B71	F
229																													
230																													
232 B60	L		< 2000	B61	L	< 2000																							
242																													
252																													
267																													
268 B60	L		2000-5000	B61	L	2000-5000																							
273 B60	L		2000-5000	B61	L	2000-5000	B41	L	2000-5000	B42	L	< 2000						B48	L	< 2000			B67	L			2000-5000		
277 B60	L		2000-5000	B61	L	2000-5000	B41	L	< 2000	B42	L	< 2000						B48	L	< 2000			B67	L			< 2000		
284 B60	L		2000-5000	B61	L	2000-5000	B41	L	2000-5000	B42	L	< 2000						B48	L	< 2000			B67	L			2000-5000		
292 B60	L		2000-5000	B61	L	2000-5000	B41	L	< 2000	B42	L	< 2000			B47	L	< 2000	B48	L	< 2000			B67	L			2000-5000		
293 B60	L		2000-5000	B61	L	< 2000	B41</																						

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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 303/2018

DESPATCHED ON 17 APRIL 2018

HLA specificity for assessment																							
Constol Assessed			B81 Present 78.1%			B82 Absent 1.4%			Cw1 Absent 1.4%			Cw9 Absent 1.4%			Cw7 Absent 1.4%			Cw17 Absent 2.7%					
Lab n	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI		
9 B73	L		< 2000	B81	L	2000-5000																	
11				B81	L	2000-5000																	
12 B73	L		< 2000	B81	L	2000-5000																	
14				B81	L	2000-5000																	
15				B81	L	< 2000																	
19				B81	L	< 2000																	
20				B81	L	< 2000																	
23				B81	L	2000-5000																	
24				B81	L	2000-5000																	
25				B81	L	2000-5000																	
26				B81	L	< 2000																	
28 B73	L		< 2000	B81	L	2000-5000																	
34				B81	L	< 2000																	
35				B81	L	< 2000																	
38 B73	L		< 2000	B81	L	2000-5000																	
39				B81	L	< 2000																	
41				B81	L	2000-5000																	
42				B81	L	< 2000																	
45				B81	L	< 2000																	
48				B81	L	2000-5000																	
51 B73	L		< 2000	B81	L	2000-5000								Cw7	L	< 2000							
54				B81	L	2000-5000																	
58				B81	L	2000-5000																	
62 B73	L		< 2000	B81	L	2000-5000																	
100																							
112				B81	L	< 2000																	
114				B81	L	< 2000																	
116				B81	L	2000-5000																	
117				B81	L	< 2000																	
119 B73	L		< 2000	B81	L	2000-5000																	
120				B81	L	2000-5000																	
133																							
136				B81	L	2000-5000																	
142				B81	L	2000-5000																	
143 B73	L		2000-5000	B81	L	> 5000																	
145				B81	L	2000-5000																	
149				B81	L	2000-5000																	
157				B81	L	2000-5000																	
160				B81	L	< 2000																	
162				B81	L	2000-5000																	
165																							
169 B73	L		2000-5000	B81	L	> 5000																	
181				B81	L	< 2000																	
185				B81	L	< 2000																	
194 B73	L		< 2000	B81	L	2000-5000																	
195				B81	L	2000-5000																	
197																							
206				B81	L	< 2000																	
212																							
214																							
216																							
218																							
222				B81	F													Cw17	F				
227				B81	L	< 2000																	
229																							
230																							
232				B81	L	< 2000																	
242																							
252																							
267																							
268																							
273				B81	L	2000-5000																	
277				B81	L	< 2000																	
284 B73	L		< 2000	B81	L	2000-5000																	
292 B73	L		< 2000	B81	L	2000-5000																	
293 B73	L		< 2000	B81	L	< 2000																	
294				B81	L	< 2000																	
302				B81	L	< 2000	B82	L	< 2000	Cw1	L	< 2000	Cw9	L	< 2000			Cw17	L	< 2000			
303				B81	L	2000-5000																	
309				B81	L	< 2000																	
351				B81	L	< 2000																	
361																							
392																							

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

13	< 2000	57	< 2000	1	< 2000	1	< 2000	1	< 2000	1	< 2000	1	< 2000	2	< 2000
73	11	73	24	73	1	73	1	73	1	73	1	73	1	73	1
	2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
	2		30		0		0		0		0		0		0
	> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000
	0		2		0		0		0		0		0		0

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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 303/2018

DESPATCHED ON 17 APRIL 2018

Lab no.	Techniques used IgG	Sample Treatment IgG	High Background	Neg control serum batch	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	EDTA	NO		18		LS1A04	1500	9800	69													
11 L	EDTA	NO		18	B*13:02	LS1A04	1000	4657	438	LSM12	2.5	7307	292									
12 L	EDTA	NO		18		LS1A04	500	11763	541													
14 L	EDTA	No		18	B*13:02, A*34:01	LS1A04	1500	15300	86													
		Heat inactivation																				
15 L	EDTA	NO		18	A*34:01, B*13:02	LS1A04	1000	11633.08	243.68													
19 L	EDTA	NO		4	A*34:01	LS1A04	1000	11933	103													
20 C, L	EDTA	YES		In House	A*34:01, B*13:02	LS1A04	1000	13429	174													
		Adsorption Beads																				
23 L	EDTA	NO		19		LS1A04	1000	10501	77													
24 L	EDTA	YES		18	A*34:01, B*13:02	LS1A04	1000	13723	172	LSM12	4.5	13758	1429	LS1PRA	1000	12985	1900	LSA1SA	1500	15275	71	
25 L	EDTA	NO		19		LS1A04	1000	10568	204	LSM12	7.1	16513	395	LSA1SA	1500	12471	87					
26 L	EDTA	YES			B*13:02	LS1A04	1219	141.36	84	LSM12	3.6	17878	1436									
28 L	EDTA	NO		18	A*34:01	LS1A04	500	11866	190													
34 L	EDTA	NO		18	A*34:01	LS1A04	954/692	11971	120													
35 L	EDTA	NO		19	B*13:02	LS1A04	1000	13094	65													
38 L	EDTA	NO		18		LS1A04	1000	14717	53	LSA1SA		16167	92									
39 L	EDTA	NO		18	A*34:01, B*13:02	LS1A04	1090	10407	104													
41 L	EDTA	NO		18		LS1A04	2000	8609	57													
42 L	EDTA	NO		19	A*33:01, A*34:01	LS1A04	500	14797	361													
45 L	EDTA	NO		19		LS1A04	1500	15000	180													
48 L	EDTA	NO		19		LS1A04	400	9022	254													
51 L	EDTA	NO		18	A*34:01	LS1A04	1000	9988	169													
54 L	EDTA	NO		18		LS1A04	1000	11904	36													
58 L	EDTA	NO		19	A*34:01	LS1A04	>1500	21173	203	LSA1SA	750	12701	92									
62 L	EDTA	NO		18		LSA1SA	779	12737	119													
100 L	EDTA	NO		3006187	B*07:002	LSA1SA	500	16622	200													
112 L	EDTA	NO		3005724		LSA1SA	1000	6417	49													
114 L	EDTA	NO		18	A*34:01	LS1A04	1000	11393	105	LSM12		8722	574									
116 L	EDTA	YES		18	A*34:01	LS1A04	500	10719	174													
117 L	EDTA	NO		18	A*34:01	LS1A04	1000	17996	78	LSM12	1.5	15566	220									
119 L	EDTA	YES		17		LS1A04	1000	9349	86													
		Adsorption Beads																				
120 L	EDTA	NO		3005724	A*66:01, A*66:02, B*27:05, B*27:08	LS1A04	500	12912	118													
133 L	EDTA	NO			A*34:01	LSA1SA	1000	21549	195													
136 C, L	EDTA	NO				LS1A04	1000	9998	144													
142 L	EDTA	NO				LS1A04	1000	27058	352													
143 L	EDTA	NO				LS1A04	1000	12084	62													
145 L	EDTA	NO		15	A*34:01	LS1A04	1000	23130	316													
149 L	EDTA	NO		18	B13:02	LSA1SA	1000	9790.8	82.81													
149 L	EDTA	NO		18	B13:02	LS1A04	1000	9413	17.8													
157 L	EDTA	NO		17		LS1A04	1000	11683	109													
160 L	EDTA	NO			B*13:02	LS1A04	61	8740	141	LSM12	3	8352	207									
162 L	EDTA	NO				LS1A04	1000	19114	309													
165 L	EDTA	NO			A*34:01	LS1A04	1000	10305	39													
166 L	EDTA	NO		18		LSA1SA	2	15839	117	LM1	2	18362	97	LMX	1	19230	91					
181 L	EDTA	NO				LS1A04	1000	11842	145													
185 L	EDTA	NO				LS1A04	1000	11292	83													
194 L	EDTA	NO			A*34:01	LS1A04	1000	11375	101													
195 L	EDTA	NO				LM1	1000	18330	95													
197 L	EDTA	NO			A*66:02, B*27:08	LSA1SA	750	12798	118													
206 C, L	EDTA	YES		3005464		LM1	3000	17473	92													
212 L	EDTA	NO			A*66:01, A*66:02, B*27:05, B*27:08	LSA I&II SA	1000	14164	120													
214 L	EDTA	NO				LSA1SA	1000	11375	101													
216 F	EDTA	NO				LM1	3000	17473	92													
218 L	EDTA	NO				LSA1SA	1000	11375	101													
222 F	EDTA	NO				LM1	3000	17473	92													
227 L	EDTA	NO				LSA1SA	1000	11375	101													
		Dilution																				
229																						
230 L	EDTA	NO		3006081		LM1	1000	>10000	37													
232 L	EDTA	NO		18		LS1A04	1200	8301	55													
242 L	EDTA	NO			B*40:01	LSA1SA	1000	17952	87													
		Adsorption Beads																				
252 L	EDTA	NO				LM1	2	20713	112													
267 L	EDTA	NO				LSA1SA	500	13236	174													
268 C, L	EDTA	NO		18	B*27:08	LS1PRA	2000	7856	235	LS1A04	2000	9703	58									
273 L	EDTA	NO			A*34:01	LS1A04	1500	14056	122													
277 L	EDTA	NO		19	A*34:01	LS1A04	500	8068	50													
284 L	EDTA	NO			A*34:01	LS1A04	1000	9095	99.89													
292 L	EDTA	NO		18	A*34:01	LS1A04	500	9845	97	LSM12	2.5	13192	194									
293 L	EDTA	NO				LS1A04	500	10860	26.3													
294 L	EDTA	NO				LSA1SA	1000	12183														
302 L	EDTA	NO				LSA1SA	1000	12183														
303 L	EDTA	NO		18	B*13:02, A*34:01	LS1A04	1000	8959	148													
		Heat inactivation																				
309 L	EDTA	NO			27:05	LSA1SA	750	13041	171													
351 L	EDTA	NO		18		LS1A04	1500	11665	169													
361 L	EDTA	NO		3006015	B*27:05	LSA1SA	500	15262	137													
392																						

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

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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 304/2018

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HLA specificity for assessment																														
Lab no.	A2 Absent 1.4%			A3 Absent 2.7%			A23 Not Assessed 5.5%			A24 Not Assessed 12.3%			A2403 Not Assessed 9.6%			A25 Absent 2.7%			A26 Absent 2.7%			A34 Not Assessed 8.2%			A66 Absent 1.4%			A11 Not Assessed 5.5%		
	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI
9																														
11																														
12							A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000															
14																														
15																														
19																														
20																														
23																														
24													A2403	L	< 2000	A25	L	> 5000	A26	L	> 5000	A34	L	> 5000	A66	L	> 5000	A11	L	> 5000
25																														
26																														
28							A23	L	< 2000	A24	L	< 2000	A2403	L	< 2000															
34																														
35																														
38																														
39																														
41																														
42							A23	L	< 2000	A24	L	< 2000																		
45																														
48																														
51																														
54																														
58																														
62																														
100																														
112													A24	L	< 2000	A2403	L	< 2000												
114													A24	L	< 2000	A2403	L	< 2000												
116																														
117																														
119																														
120																														
133																														
136																														
142																														
143																														
145																														
149																														
157																														
160																														
162																														
165																														
169																														
181							A23	L	< 2000																					
185																														
194																														
195																														
197																														
206																														
212																														
214																														
216																														
218																														
222																														
227																														
229																														
230																														
232																														
242																														
252	A2	L	2000-5000	A3	L	2000-5000																								
267																														
268																														
273																														
277																														
284																														
292																														
293																														
294																														
302																														
303							A3	L	2000-5000																					
309																														
351																														
361																														
392																														

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

Number	1	< 2000	2	< 2000	4	< 2000	9	< 2000	7	< 2000	2	< 2000	2	< 2000	6	< 2000	1	< 2000	4	< 2000
Total number	73	0	73	0	73	4	73	9	73	7	73	1	73	0	73	1	73	0	73	1
		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000
		0		0		0		0		0		1		0		1		0		1

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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 304/2018

DESPATCHED ON 17 APRIL 2018

HLA specificity for assessment		B75 Present 89.0%		B76 Not Assessed 45.2%		B77 Present 86.3%		B38 Present 86.3%		B57 Present 89.0%		B58 Present 87.7%		B18 Absent 1.4%		B49 Present 93.2%		B50 Present 90.4%		B54 Not Assessed 5.5%			
Lab n	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI		
9 B75	L		2000-5000			B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000			
11 B75	L		2000-5000	B76	L	< 2000	B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000		
12 B75	L		> 5000	B76	L	< 2000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000	B54	L
14 B75	L		2000-5000			B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000			
15 B75	L		2000-5000			B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000			
19 B75	L		2000-5000			B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000			
20 B75	L		2000-5000	B76	L	< 2000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000		
23 B75	L		> 5000	B76	L	< 2000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000		
24																							
25 B75	L		2000-5000	B76	L	< 2000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000		
28 B75	L		2000-5000			B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	2000-5000	B50	L	> 5000			
28 B75	L		> 5000	B76	L	< 2000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000	B54	L
34 B75	L		> 5000			B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000			
35 B75	L		2000-5000			B77	L	> 5000	B38	L	2000-5000	B57	L	2000-5000	B58	L	2000-5000	B50	L	> 5000			
38 B75	L		2000-5000			B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000			
39 B75	L		2000-5000			B77	L	> 5000	B38	L	2000-5000	B57	L	2000-5000	B58	L	2000-5000	B50	L	> 5000			
41 B75	L		> 5000			B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000			
42 B75	L		2000-5000	B76	L	< 2000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000	B54	L
45 B75	L		2000-5000			B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000			
48 B75	L		> 5000			B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000			
51 B75	L		2000-5000	B76	L	< 2000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000		
54 B75	L		> 5000	B76	L	< 2000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000		
58 B75	L		2000-5000	B76	L	< 2000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000		
62 B75	L		2000-5000			B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000			
100 B75	L		< 2000			B77	L	< 2000	B38	L	< 2000	B57	L	< 2000	B58	L	< 2000	B50	L	> 5000			
112 B75	L		< 2000			B77	L	2000-5000	B38	L	2000-5000	B57	L	< 2000	B58	L	< 2000	B50	L	> 5000			
114 B75	L		2000-5000	B76	L	< 2000	B77	L	> 5000	B38	L	2000-5000	B57	L	2000-5000	B58	L	> 5000	B50	L	> 5000		
116 B75	L		2000-5000	B76	L	< 2000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000		
117 B75	L		2000-5000	B76	L	< 2000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000		
119 B75	L		> 5000	B76	L	2000-5000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000		
120 B75	L		2000-5000	B76	L	< 2000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000		
133 B75	L		< 2000			B77	L	< 2000	B38	L	< 2000	B57	L	< 2000	B58	L	< 2000	B50	L	2000-5000			
136 B75	L		> 5000	B76	L	< 2000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000		
142 B75	L		2000-5000	B76	L	< 2000	B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000		
143 B75	L		> 5000	B76	L	2000-5000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000		
145 B75	L		2000-5000, > 5000	B76	L	< 2000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000		
149 B75	L		< 2000			B77	L	2000-5000	B38	L	< 2000	B57	L	2000-5000	B58	L	< 2000	B50	L	2000-5000			
157 B75	L		> 5000	B76	L	< 2000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000		
160 B75	L		2000-5000			B77	L	2000-5000	B38	L	2000-5000	B57	L	2000-5000	B58	L	2000-5000	B50	L	> 5000			
162 B75	L		> 5000	B76	L	2000-5000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000		
165 B75	L		2000-5000			B77	L	2000-5000	B38	L	< 2000	B57	L	2000-5000	B58	L	2000-5000	B50	L	> 5000			
169 B75	L		2000-5000	B76	L	2000-5000	B77	L	2000-5000	B38	L	2000-5000	B57	L	2000-5000	B58	L	2000-5000	B50	L	> 5000	B18	L
181 B75	L		2000-5000	B76	L	< 2000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000		
185 B75	L		< 2000	B76	L	< 2000	B77	L	2000-5000	B38	L	< 2000	B57	L	< 2000	B58	L	< 2000	B50	L	2000-5000		
194 B75	L		2000-5000	B76	L	< 2000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000		
195 B75	L		2000-5000			B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000			
197 B75	L		2000-5000			B77	L	2000-5000	B38	L	> 5000	B57	L	2000-5000	B58	L	2000-5000	B50	L	> 5000			
206 B75	L		> 5000	B76	L	< 2000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000		
212 B75	L		< 2000			B77	L	< 2000															
214						B77	L	< 2000															
218 B75	L		< 2000			B77	L	2000-5000	B38	L	< 2000	B57	L	2000-5000	B58	L	< 2000	B50	L	2000-5000			
222 B75	F					B38	F																
227 B75	L		> 5000	B76	L	< 2000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000		
229																							
230 B75	L		< 2000			B77	L	< 2000															
232 B75	L		2000-5000			B77	L	2000-5000	B38	L	2000-5000	B57	L	2000-5000	B58	L	> 5000	B50	L	2000-5000	B54	L	
242						B77	L	2000-5000	B38	L	< 2000	B57	L	2000-5000	B58	L	2000-5000	B50	L	> 5000			
252																							
267 B75	L		< 2000			B77	L	< 2000	B38	L	< 2000	B57	L	< 2000	B58	L	< 2000	B50	L	2000-5000			
268 B75	L		2000-5000			B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000			
273 B75	L		> 5000	B76	L	< 2000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000		
277 B75	L		2000-5000	B76	L	< 2000	B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000		
284 B75	L		2000-5000	B76	L	< 2000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000		
292 B75	L		> 5000	B76	L	< 2000	B77	L	> 5000	B38	L	> 5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000		
293 B75	L		2000-5000			B77	L	> 5000	B38	L	2000-5000	B57	L	> 5000	B58	L	> 5000	B50	L	> 5000			
294 B75	L		< 2000			B77	L	< 2000	B38	L	< 2000	B57	L	< 2000	B58	L	< 2000	B50	L	2000-5000			

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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 304/2018

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HLA specificity for assessment		B56 Present 89.0%			B27 Absent 1.4%			B35 Present 90.4%			B37 Not Assessed 58.9%			B60 Not Assessed 72.6%			B61 Not Assessed 74.0%			B41 Present 76.7%			B42 Absent 1.4%			B46 Not Assessed 57.5%			
Lab n	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				B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000								
11				B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000								
12 B55	L		< 2000	B56	L	> 5000	B35	L	> 5000	B37	L	> 5000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	
14				B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	
15				B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	< 2000	B41	L	2000-5000					B46	L	< 2000	
14				B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	< 2000	B41	L	2000-5000					B46	L	< 2000	
20				B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	< 2000	B41	L	2000-5000					B46	L	< 2000	
23				B56	L	> 5000	B35	L	> 5000	B37	L	< 2000	B60	L	2000-5000	B61	L	< 2000	B41	L	2000-5000					B46	L	2000-5000	
24				B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	
25				B56	L	2000-5000	B35	L	2000-5000	B37	L	< 2000	B60	L	< 2000	B61	L	< 2000	B41	L	< 2000					B46	L	< 2000	
28 B55	L		< 2000	B56	L	> 5000	B35	L	> 5000	B37	L	2000-5000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	
34				B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	
35				B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	< 2000	B41	L	2000-5000					B46	L	< 2000	
38				B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	
39				B56	L	2000-5000	B35	L	2000-5000	B37	L	< 2000	B60	L	< 2000	B61	L	< 2000	B41	L	2000-5000					B46	L	2000-5000	
41				B56	L	> 5000	B35	L	> 5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	
42 B55	L		< 2000	B56	L	> 5000	B35	L	> 5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000					B46	L	2000-5000	
45				B56	L	2000-5000	B35	L	2000-5000	B37	L	2000-5000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	
48				B56	L	> 5000	B35	L	> 5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	
51 B55	L		< 2000	B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	
54 B55	L		< 2000	B56	L	> 5000	B35	L	> 5000	B37	L	2000-5000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	
58				B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	
62				B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	
100				B56	L	< 2000	B35	L	< 2000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	
112				B56	L	2000-5000	B35	L	< 2000	B37	L	< 2000	B60	L	< 2000	B61	L	< 2000	B41	L	< 2000					B46	L	< 2000	
114				B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	< 2000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	
116				B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	
117 B55	L		< 2000	B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	
119 B55	L		< 2000	B56	L	> 5000	B35	L	> 5000	B37	L	2000-5000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000					B46	L	2000-5000	
120 B55	L		< 2000	B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	
132				B56	L	< 2000	B35	L	< 2000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	
136 B55	L		< 2000	B56	L	> 5000	B35	L	> 5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	
142				B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	< 2000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	
143				B56	L	> 5000	B35	L	> 5000	B37	L	2000-5000	B60	L	2000-5000	B61	L	> 5000	B41	L	> 5000					B46	L	2000-5000	
145				B56	L	> 5000	B35	L	> 5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	> 5000					B46	L	< 2000	
149				B56	L	2000-5000	B35	L	< 2000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	> 5000					B46	L	< 2000	
157				B56	L	> 5000	B35	L	> 5000	B37	L	< 2000	B60	L	< 2000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	
160				B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	< 2000					B46	L	< 2000	
162 B55	L		< 2000	B56	L	> 5000	B35	L	> 5000	B37	L	2000-5000	B60	L	2000-5000	B61	L	2000-5000	B41	L	> 5000					B46	L	2000-5000	
165				B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	< 2000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	
169				B56	L	2000-5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	< 2000					B46	L	> 5000	
181 B55	L		< 2000	B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	
185				B56	L	2000-5000	B35	L	< 2000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	< 2000					B46	L	< 2000	
194				B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	
195				B56	L	> 5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	
197				B56	L	2000-5000	B35	L	2000-5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	
206 B55	L		< 2000	B56	L	> 5000	B35	L	2000-5000	B37	L	2000-5000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	
212				B56	L	2000-5000	B35	L	< 2000	B37	L	< 2000	B60	L	< 2000	B61	L	< 2000	B41	L	< 2000					B46	L	< 2000	
214				B56	L	< 2000	B35	L	< 2000	B37	L	< 2000	B60	L	< 2000	B61	L	< 2000	B41	L	< 2000					B46	L	< 2000	
216				B56	L	> 5000	B35	L	< 2000	B37	L	< 2000	B60	L	< 2000	B61	L	< 2000	B41	L	< 2000					B46	L	< 2000	
218				B56	L	> 5000	B35	L	< 2000	B37	L	< 2000	B60	L	< 2000	B61	L	< 2000	B41	L	< 2000					B46	L	< 2000	
222				B56	F		B27	F					B60	F		B61	F		B41	F					B42	F		B46	F
227 B55	L		< 2000	B56	L	> 5000	B35	L	> 5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000					B46	L	< 2000	





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Lab no.	Technique used	Sample Treatment	High Background	Neg control serum batch	Allele Specific Antibodies IgG	Luminex kit (lot)		Control bead MFI Positive	Control bead MFI Negative	Luminex kit (lot)		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													
9 L		EDTA	NO	18		LS1A04	1500	9800	69															
11 L		EDTA	NO	18		LS1A04	1000	4971	65		LSM12	2.5	6791	69										
12 L		EDTA	NO	18	A*08:02	LS1A04	500	9275	72															
14 L		EDTA, Heat Inactivation	NO	18		LS1A04	1500	13036	20															
15 L		EDTA	NO	18		LS1A04	1000	11063	55															
19 L		EDTA	NO			LS1A04	1000	13322	32															
20 L		EDTA	NO	In House		LS1A04	1000	11632	56															
23 L		EDTA	NO	19		LS1A04	1000	11858	31															
24 L		EDTA	NO	18	A*24:03	LS1A04	1000	10941	75		LSM12	4.5	10687	343			LS1PRA	1000	8522	393	LSA1SA	1500	12881	89
25 L		EDTA	NO	19		LS1A04	1000	10391	62		LSM12	7.1	15406	91			LSA1SA	1500	13480	124				
26 L		EDTA	NO	19		LS1A04	1483	11198	23		LSM12	3.6	11127	179										
28 L		EDTA	NO	18	B*51:02	LS1A04	500	10210	46															
34 L		EDTA	NO	18		LS1A04	1352983	12674	22															
35 L		EDTA	NO	19		LS1A04	1000	12245	12		LSA1SA		15805	102										
38 L		EDTA	NO	18		LS1A04	1000	10126	19															
39 L		EDTA	NO	18	C*05:01	LS1A04	1300	10007	26															
41 L		EDTA	NO	18		LS1A04	2000	9969	30															
42 L		EDTA	NO	19		LS1A04	500	12448	113															
45 L		EDTA	NO			LS1A04	1500	12000	20															
48 L		Adsorption Beads Heat Inactivation	NO	19																				
51 L		EDTA	NO			LS1A04	800	11829	31															
54 L		EDTA	NO	18		LS1A04	1000	9259	52															
58 L		EDTA	NO	18		LS1A04	1000	11895	30															
62 L		EDTA	NO	19		LS1A04	>1500	14997	93		LSA1SA	750	12200	175										
100 L		EDTA	NO	3006187		LSA1SA	500	12719	115															
112 L		EDTA	NO	3005724		LSA1SA	500	16519	196															
114 L		EDTA	NO																					
116 L		EDTA	NO	18	C*03:02	LS1A04	1000	8327	60		LSM12		8303	103										
117 L		EDTA	NO	18		LS1A04	500	11072	25															
119 L		EDTA	NO	17		LS1A04	1000	12038	30		LSM12	1.5	11486	44										
120 L		EDTA	NO			LS1A04	500	10148	17															
133 L		Heat Inactivation	NO	3005724	A*32:01, B*15:01/02/03/13/16/18, B*35:01/08, B*38:01, B*44:03, B*49:01, B*50:01, B*51:01, B*52:01, B*53:01, B*56:01, B*57:01, B*58:01, B*59:01	LSA1SA	500	11762	93															
136 C, L		EDTA	NO			LS1A04	1000	16915	66															
142 L		EDTA	NO			LS1A04	1000	10227	34															
143 L		EDTA	NO	15	C*03:02	LS1A04	1000	16250	139															
145 L		EDTA	NO			LS1A04	1000	12561	399															
149 L		EDTA	NO	18	CW*03:02	LSA1SA	1000	20859	380															
157 L		Adsorption Beads	NO	17		LS1A04	1000	8782.2	31.79															
162 L		EDTA	NO			LS1A04	1000	16621	80		LSM12	3	9714	50										
165 L		EDTA	NO			LS1A04	1000	6061	45															
169 L		EDTA	NO	18	B*13:02	LS1A04	1000	1493	13															
181 L		EDTA	NO			LS1A04	500	10305	39															
186 L		EDTA	NO			LSA1SA	2	16549	142		LM1	2	21871	175			LMX	1	19557	123				
194 C, L		EDTA	NO			LS1A04	1000	11875	26															
196 L		EDTA	NO			LS1A04	1000	8750	30															
197 L		EDTA	NO			LS1A04	1000	14410	13															
206 C, L		EDTA	NO			LS1A04	1000	20778	79															
212 L		EDTA	NO	YES	A*32:01, B*15:01/15:02/15:03/15:13/15:16/15:18, B*35:01/35:08/49:01/50:01/51:01/52:01/53:01/56:01/57:01	LM1	1000	20778	79															
214 L		EDTA	NO	YES	A*32:01, B*13:02, B*15:01/15:02/15:03/15:13/15:16/15:18, B*35:01/35:08/49:01/50:01/51:01/52:01/53:01/56:01/57:01	LSA III SA	750	11892	151															
216 L		EDTA	NO	3005464	A*32:01, B*13:02, B*15:01/15:02/15:03/15:13/15:16/15:18, B*35:01/35:08/49:01/50:01/51:01/52:01/53:01/56:01/57:01	LM1	3000	20281	107															
218 L		EDTA	NO		A*32:01, B*13:02, B*15:01/15:02/15:03/15:13/15:16/15:18, B*35:01/35:08/49:01/50:01/51:01/52:01/53:01/56:01/57:01	LSA III SA	750	17438	298															
222 F		EDTA	NO																					
227 L		EDTA	NO																					
229 L		EDTA	NO			LM1	1000	>10000	37															
232 L		EDTA	NO			LS1A04	1200	8039	18															
242 L		Adsorption Beads	NO		B*15	LSA1SA		17557	133															
252 L		EDTA	NO			LSA1SA	500	12387	150															
257 L		EDTA	NO			LS1A04	2000	12204	16		LS1PRA	2000	9371	84										
266 C, F, L		EDTA	NO		C*03:02	LS1A04	1500	13315	34															
273 L		EDTA	NO	19	B*51:01	LS1A04	500	9361	18															
277 L		EDTA	NO			LS1A04	1000	9577	29.61															
284 L		EDTA	NO	18		LS1A04	500	10540	36		LSM12	2.5	11487	47										
292 L		EDTA	NO			LS1A04	500	18.9																
293 L		EDTA	NO			LSA1SA		12813																
294 L		EDTA	NO																					
302 L		EDTA	NO																					
303 L		EDTA	NO			LSA1SA	550	15731	339															
309 L		EDTA	NO	18		LS1A04	1500	9936	43					</										



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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 305/2018

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HLA specificity for assessment				A32				A33				A74				A68				A69				A36				A43				A80				B51			
Consi	Present			Absent			Present			Absent			Present			Not Assessed			Not Assessed			Present			Absent			Absent											
% ref	89.0%			1.4%			93.2%			2.7%			94.5%			71.2%			47.9%			84.9%			1.4%			2.7%											
Lab n	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 A31	L		2000-5000				A33	L	> 5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
11 A31	L		2000-5000				A33	L	> 5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
12 A31	L		2000-5000				A33	L	> 5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
14 A31	L		2000-5000				A33	L	2000-5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
15 A31	L		< 2000				A33	L	2000-5000			A68	L	2000-5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
19 A31	L		2000-5000				A33	L	2000-5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
20 A31	L		> 5000				A33	L	> 5000			A68	L	> 5000	A69	L	> 5000	A36	L	< 2000	A43	L	> 5000																
23 A31	L		> 5000				A33	L	> 5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
24						A32	L	> 5000																			B51	L	> 5000										
25 A31	L		2000-5000				A33	L	> 5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
26 A31	L		< 2000				A33	L	2000-5000			A68	L	2000-5000	A69	L	< 2000	A43	L	> 5000																			
28 A31	L		> 5000				A33	L	> 5000			A68	L	> 5000	A69	L	> 5000	A36	L	< 2000	A43	L	> 5000			A80	L	< 2000											
34 A31	L		2000-5000				A33	L	2000-5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
35 A31	L		< 2000				A33	L	2000-5000			A68	L	2000-5000	A69	L	< 2000	A43	L	> 5000																			
38 A31	L		2000-5000				A33	L	2000-5000			A68	L	2000-5000	A69	L	< 2000	A43	L	> 5000																			
39 A31	L		2000-5000				A33	L	> 5000			A68	L	> 5000	A69	L	< 2000	A43	L	> 5000																			
41 A31	L		2000-5000				A33	L	> 5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
42 A31	L		2000-5000				A33	L	2000-5000			A68	L	> 5000	A69	L	< 2000	A43	L	> 5000																			
45 A31	L		2000-5000				A33	L	> 5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
48 A31	L		2000-5000				A33	L	> 5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
51 A31	L		2000-5000				A33	L	> 5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
54 A31	L		2000-5000				A33	L	> 5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
58 A31	L		2000-5000				A33	L	> 5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
62 A31	L		2000-5000				A33	L	2000-5000			A68	L	2000-5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
100 A31	L		< 2000				A33	L	< 2000			A68	L	2000-5000	A69	L	< 2000	A36	L	< 2000	A43	L	2000-5000																
112 A31	L		< 2000				A33	L	2000-5000			A68	L	2000-5000	A69	L	< 2000	A43	L	> 5000																			
114 A31	L		2000-5000				A33	L	2000-5000			A68	L	2000-5000	A69	L	< 2000	A43	L	> 5000																			
116 A31	L		2000-5000				A33	L	> 5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
117 A31	L		2000-5000				A33	L	> 5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
119 A31	L		2000-5000				A33	L	2000-5000, > 5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
120 A31	L		2000-5000				A33	L	> 5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
133							A33	L	< 2000			A68	L	< 2000	A69	L	< 2000	A43	L	2000-5000																			
136 A31	L		2000-5000				A33	L	> 5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
142 A31	L		2000-5000				A33	L	2000-5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
143 A31	L		> 5000				A33	L	> 5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
145 A31	L		2000-5000				A33	L	2000-5000, > 5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
149 A31	L		< 2000				A33	L	< 2000			A68	L	2000-5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
157 A31	L		2000-5000				A33	L	2000-5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
160 A31	L		2000-5000				A33	L	2000-5000			A68	L	> 5000	A69	L	> 5000	A43	L	> 5000																			
162 A31	L		2000-5000				A33	L	> 5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
165 A31	L		2000-5000				A33	L	2000-5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
169 A31	L		2000-5000				A33	L	> 5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
181 A31	L		2000-5000				A33	L	2000-5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
185 A31	L		< 2000				A33	L	< 2000			A68	L	2000-5000	A69	L	< 2000	A43	L	> 5000																			
194 A31	L		2000-5000				A33	L	2000-5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
195 A31	L		2000-5000				A33	L	2000-5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
197							A33	L	> 5000			A68	L	> 5000	A69	L	> 5000	A36	L	< 2000	A43	L	> 5000																
206 A31	L		2000-5000				A33	L	2000-5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
212 A31	L		2000-5000				A33	L	> 5000	A74	L	< 2000	A68	L	2000-5000																								
214 A31	L		< 2000				A33	L	< 2000			A68	L	2000-5000																									
216							A33	L	< 2000			A68	L	2000-5000																									
218 A31	L		< 2000				A33	L	< 2000	A74	F		A68	L	2000-5000																								
222 A31	F						A33	F				A68	F						A36	F																			
227 A31	L		2000-5000				A33	L	> 5000	A74	F		A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000				B51	F										
229							A33	L	> 5000			A68	L	> 5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
230							A33	L	> 5000			A68	L	2000-5000	A69	L	2000-5000	A36	L	< 2000	A43	L	> 5000																
232 A31	L		2000-5000				A33																																







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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 305/2018

DESPATCHED ON 17 APRIL 2018

HLA specificity for assessment																														
Consi			B54			B56			B27			B35			B37			B60			B61			B41			B46			
Absent			Absent			Absent			Absent			Absent			Not Assessed			Not Assessed			Absent			Not Assessed						
% rep: 2.7%			4.1%			4.1%			4.1%			1.4%			2.7%			9.6%			6.8%			2.7%			6.8%			
Lab n	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI			
9																														
11																														
12																														
14																														
15																														
19																														
20																														
23																														
24				B55	L	< 2000	B56	L	> 5000				B35	L	> 5000	B37	L	< 2000	B60	L	2000-5000	B61	L	2000-5000	B41	L	2000-5000	B46	L	< 2000
25																														
26																														
28																														
34																														
35																														
38																														
39																														
41																														
42																														
45																														
48																														
51																														
54																														
58																														
62																														
100																														
112																														
114																														
116																														
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165																														
169																														
181																														
185																														
194																														
195																														
197																														
206																														
212							B56	L	> 5000	B27	L	> 5000							B60	L	> 5000	B61	L	< 2000	B41	L	< 2000	B46	L	2000-5000
214																														
216	B54	L	2000-5000	B55	L	2000-5000				B27	L	> 5000							B60	L	2000-5000									
218																														
222																														
227													B37	F													B46	F		
229																														
230	B54	L	2000-5000	B55	L	2000-5000	B56	L	2000-5000	B27	L	> 5000																B46	L	2000-5000
232																														
242																														
252																														
267																														
268																														
273																														
277																														
284																														
292																														
293																														
294																														
302																														
303																														
309																														
351																														
361																														
392																														

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

2	< 2000	3	< 2000	3	< 2000	3	< 2000	1	< 2000	2	< 2000	7	< 2000	5	< 2000	2	< 2000	5	< 2000
73	0	73	1	73	0	73	0	73	0	73	1	73	3	73	4	73	1	73	2
	2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000		2000-5000
	2		2		1		0		0		0		2		1		1		2
	> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000
	0		0		2		3		1		0		2		0		0		0

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Issue 2

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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 305/2018

DESPATCHED ON 17 APRIL 2018

HLA specificity for assessment																													
B47			B48			B53			B59			B67			B71			B72			B73			B78			B81		
Consi	Absent		Absent		Absent		Absent		Absent		Absent		Not Assessed		Absent		Absent		Absent		Absent		Absent		Absent		Absent		
% rep	1.4%		2.7%		2.7%		4.1%		2.7%		13.7%		4.1%		1.4%		2.7%		1.4%		2.7%		2.7%		2.7%		2.7%		
Lab n	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech	MFI	spec	tech
9																													
11																													
12																													
14													B71	L	< 2000														
15																													
19																													
20																													
23																													
24	B47	L	2000-5000				B53	L	> 5000	B59	L	> 5000			B71	L	> 5000	B72	L	> 5000			B78	L	2000-5000				
25																													
26																													
28																													
34																													
35																													
38																													
39																													
41																													
42																													
45																													
48																													
51																													
54																													
58																													
62																													
100																													
112																													
114																													
116																													
117																													
119																													
120																													
133																													
136																													
142																													
143																													
145																													
149																													
157																													
160																													
162																													
165																													
169																													
181																													
185																													
194																													
195																													
197				B48	L	2000-5000																							
206																													
212																													
214																													
216																													
218																													
222				B48	F		B53	F		B59	F																		
227																													
229																													
230																													
232																													
242																													
252																													
267																													
268																													
273																													
277																													
284																													
292																													
293																													
294																													
302																													
303																													
309																													
351																													
361																													
392																													

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

1	< 2000	2	< 2000	2	< 2000	3	< 2000	2	< 2000	10	< 2000	3	< 2000	1	< 2000	2	< 2000	2	< 2000	2	< 2000
73	0	73	0	73	0	73	0	73	0	73	4	73	0	73	0	73	0	73	0	73	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		0		1		2		4		0		0		1		0		0
	> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000		> 5000
	0		0		1		1		0		1		2		0		0		0		1

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Effective Date 13/10/16



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

CLASS I HLA ANTIBODY SPECIFICITY ANALYSIS OF 305/2018

DESPATCHED ON 17 APRIL 2018

Lab no.	Technique used IgG	Sample Treatment IgG	High Background	Neg control serum batch	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		EDTA	NO			LS1A04	1000	10000	71														
11 L		EDTA	NO	18	B*40:06, B*15:02	LS1A04	500	11023	67														
12 L		EDTA	NO	18		LS1A04	1500	14005	19														
14 L		EDTA, Heat	NO	18		LS1A04																	
			Inactivation																				
15 L		EDTA	NO	18		LS1A04	1000	9710	45														
19 L		EDTA	NO	4		LS1A04	1000	11321	39														
20 C, L		EDTA	NO	In House	B*15:02, B*40:06	LS1A04	1000	12922	43														
23 L		EDTA	NO	19		LS1A04	1000	11099	18														
24 L		EDTA	NO	18		LS1A04	1000	11003	50	LSM12	4.5	10425	249	LS1PRA	1000	9327	148	LSA1SA	1500	13275	107		
25 L		EDTA	NO	19		LS1A04	1000	10808	53	LSM12	7.1	15836	132	LSA1SA	1500	12448	120						
26 L		EDTA	NO	19		LS1A04	1286	11545	32	LSM12	3.6	12168	159										
28 L		EDTA	NO	19		LS1A04	500	10252	86														
34 L		EDTA	NO	18	A*24:03	LS1A04	1055/955	11481	15														
35 L		EDTA	NO	19		LS1A04	1000	12099	16														
38 L		EDTA	NO	18		LS1A04	1000	10520	24	LSA1SA		16275	114										
39 L		EDTA	NO	18		LS1A04	1460	10810	73														
41 L		EDTA	NO	18		LS1A04	2000	7814	14														
42 L		EDTA	NO	19	A*24:03	LS1A04	500	12578	114														
45 L		EDTA, Adsen	NO	19		LS1A04	1500	13500	40														
48 L		Heat	NO																				
			Inactivation																				
51 L		EDTA	NO			LS1A04	1300	12524	47														
54 L		EDTA	NO	18		LS1A04	1000	8876	72														
58 L		EDTA	NO	18		LS1A04	1000	11904	36														
62 L		EDTA	NO	19		LS1A04	>1500	13311	39														
100 L		EDTA	NO	3006187		LSA1SA	541	12842	166														
112 L		EDTA	NO	3005724		LSA1SA	500	16783	309														
114 L		EDTA	NO	18		LS1A04	1000	8213	29														
116 L		EDTA	NO	18		LS1A04	1000	8186	127	LSM12		7174	115										
117 L		EDTA	NO	18	A*24:03	LS1A04	500	10052	23														
119 L		EDTA	NO		A*24:03	LS1A04	1000	9639	22	LSM12	1.5	12245	44										
120 L		EDTA	NO		A*11:01, A*25:01, A*26:01, A*29:02, A*33:03, A*34:02, A*43:01, A*66:01, A*66:02, A*68:01, A*68:02	LS1A04	500	9002	14														
133 L		Heat	NO	3005724		LSA1SA		11503	134														
			Inactivation																				
136 C, L		EDTA	NO			LS1A04	1000	16239	62														
142 L		EDTA	NO			LS1A04	1000	9891	19														
143 L		EDTA	NO			LS1A04	1000	1910	361														
143 L		EDTA	NO	15		LS1A04	1000	11819	20														
149 L		EDTA	NO			LSA1SA	1000	22950	357														
157 L		EDTA	NO	18		LS1A04	1000	7462	37.68														
160 L		Adsorption Beads	NO	17		LS1A04	1000	7824	16.4														
162 L		EDTA	NO			LS1A04	1000	11212	19	LSM12	3	8125	42										
165 L		EDTA	NO			LS1A04	85	6306	73														
166 L		EDTA	NO			LS1A04	1000	3336	20														
181 L		EDTA	NO	18		LS1A04	500	10188	30														
185 L		EDTA	NO			LM1	2	19213	232	LMX	1	18823	128	LSA1SA	2	16232	146						
194 C, L		EDTA	NO			LS1A04	1000	12074	17														
195 L		EDTA	NO			LS1A04	1000	8923	81														
197 L		EDTA	NO			LS1A04	1000	11539	19														
206 C, L		EDTA	NO			LM1	1000	21124	85														
212 L		EDTA	NO	YES		LSA1SA	750	12187	172														
214 L					A*11:01/11:02/25:01/26:01/29:01/29:02/30:01/31:01/33:01/3:03/34:02/43:01/66:01/66:02/68:01/68:02 B*13:02																		
216 L				3005464		LM1	3000	18316	169														
218 L					A*11:01 A*11:02 A*24:03 A*25:01 A*26:01 A*9:01 A*29:02 A*31:01 A*33:01 A*33:03 A*34:02 A*43:01 A*66:01 A*66:02 A*68:01 A*68:02	LSA I&II SA		15174	225														
222 F																							
227 L		EDTA, Dilution	NO																				
228 L																							
230 L		EDTA	NO	3006081		LM1	1000	>10000	37														
232 L		EDTA	NO	18		LS1A04	1200	7530	11														
242 L		Adsorption Beads	NO			LSA1SA		17541	133														
252 L		EDTA	NO			LM1	2	20632	150														
267 L		EDTA	NO			LSA1SA	500	13486	205														
269 C, L		EDTA	NO			LS1PRA	2000	8094	100	LS1A04	2000	11386	11										
273 L		EDTA	NO			LS1A04	1500	11313	28														
277 L		EDTA	NO	19		LS1A04	500	8206	48														
284 L		EDTA	NO			LS1A04	1000	8338	18.29														
292 L		EDTA	NO	18		LS1A04	500	9617	29	LSM12	2.5	10713	38										
293 L		EDTA	NO			LS1A04	500	7909	27.5														
294 L		EDTA	NO			LSA1SA		12222															
302 L		EDTA, Heat	NO	18		LS1A04	1000	8644	60														
303 L			Inactivation																				
309 L		EDTA	NO			LSA1SA	500	13456	46														
351 L		EDTA	NO	18		LS1A04	1500	9661	54														
361 L		EDTA	NO	3006015		LSA1SA	500	14956	105														
392																							

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

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Issue 2

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