

**UK NEQAS FOR H&I SCHEME 2A - CYTOTOXIC CROSSMATCHING**

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A02/2015 OS PC

DESPATCHED ON 20TH JANUARY 2015

HLA PHENOTYPE OF BLOOD DONOR: HLA-A26, A31; B27, B44; Cw2, Cw5; DR4, DR10; DQ5, DQ8

Summary of Results									
PBL/T-Cells					B-Cells				
Total tested	26	26	26	26	20	20	19	20	
Positive	1	24	12	1	1	20	3	1	
Negative	25	2	14	25	19	0	16	19	
NT/Equivocal	6	6	6	6	3	3	4	3	
% Positive	3.8%	92.3%	46.2%	3.8%	5.0%	100.0%	15.8%	5.0%	
% Negative	96.2%	7.7%	53.8%	96.2%	95.0%	0.0%	84.2%	95.0%	
Consensus	<b>Negative</b>	<b>Positive</b>	<b>Not Assessed</b>	<b>Negative</b>	<b>Negative</b>	<b>Positive</b>	<b>Negative</b>	<b>Negative</b>	
HLA Antibody (Defined By CDC)	B51	A3, B7, B27, B22	B14+	DR17	B51	A3, B7, B27, B22	B14+	DR17	
Lab No.	Without DTT				Without DTT				
	Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4	
112	Negative	Positive	Positive	Negative					
116	Negative	Positive	Positive	Negative					
119	Negative	Positive	Positive	Negative					
120	Positive	Positive	Negative	Negative	Positive	Positive	Negative	Negative	
128	Negative	Positive	Negative	Negative					
139	NT	NT	NT	NT	NT	NT	NT	NT	Late delivery of samples
143	NT	NT	NT	NT					Late delivery of samples
147	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
154	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
159	Negative	Positive	Positive	Negative	Negative	Positive	Negative	Negative	
174	NT	NT	NT	NT					Late delivery of samples
181	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
189	Negative	Positive	Positive	Positive	Negative	Positive	Positive	Negative	
190	Negative	Positive	Positive	Negative	Negative	Positive	Negative	Positive	
193	Negative	Positive	Positive	Negative	Negative	Positive	Negative	Negative	
194	Negative	Positive	Positive	Negative	Negative	Positive	Negative	Negative	
195	NT	NT	NT	NT	NT	NT	NT	NT	Late delivery of samples
197	Negative	Negative	Positive	Negative	Negative	Positive	Negative	Negative	
209	Negative	Positive	Positive	Negative	Negative	Positive	Positive	Negative	
216	NT	NT	NT	NT					Not tested due to poor cell viability
223	Negative	Positive	Negative	Negative	NT	NT	NT	NT	B-cells not tested due to low viability
229	Negative	Positive	Negative	Negative					
232	NT	NT	NT	NT					Late delivery of samples
238	Negative	Positive	Positive	Negative	Negative	Positive	Negative	Negative	
245	Negative	Positive	Positive	Negative	Negative	Positive	Positive	Negative	
252	Negative	Weak Positive	Negative	Negative	Negative	Weak Positive	Negative	Negative	
259	Negative	Positive	Negative	Negative	Negative	Positive	NT	Negative	B cell serum 3 not tested - reaseon not stated
260	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
293	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
294	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
297	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
321	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	

There were delivery issues for several laboratories for samples 2A01&02/2015, due to delays with customs. This should not impact future distributions.

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Lab No.	PBL/T-cell without DTT				B-cell without DTT				Cell viability %		
	Serum 1 reaction strength	Serum 2 reaction strength	Serum 3 reaction strength	Serum 4 reaction strength	Serum 1 reaction strength	Serum 2 reaction strength	Serum 3 reaction strength	Serum 4 reaction strength	PBL	T-cells	B-cells
112	-1	8	8	-1					90		
116	1	6	6	1						90	
119	1	6	6	1					90		
120	4	6	1	1	4	8	1	1		100	100
128	1	6	1	1					97		
139	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
143	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
147	1	8	1	1	1	8	1	1		100	100
154	1	6	1	1	1	8	1	1		95	85
159	1	8	6 AGH only	1	1	8	1	1		95	95
174	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
181	1	8	1	1	1	8	1	1	100		100
189	1	6	6	6	1	6	6	1	88	89	89
190	10%	100%	50%	10%	10%	100%	10%	50%		90	90
193	1	8	4	1	1	8	1	1		99	99
194	1	8	6%	1	1	8	1	1	100	100	100
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
197			Weak			Weak				65	65
209		8	2			8	2		95		90
216	NT	NT	NT	NT					NT	NT	NT
223	1	8	1	1	NT	NT	NT	NT		95	70
229									50		
232	NT	NT	NT	NT	NT	NT	NT	NT			
238	1	8	4	1	1	8	1	1	95	95	90
245	1	8	4	1	1	8	4	1	100	100	100
252	1	2-4	1	1	1	4-6	1	1	60		50
259									90	90	90
260		++++				++++				90	90
293		8				8				80	70
294	0	6	0/2	0	0	8	0	0		100	100
297	1	6	1	1	1	6	1	1	80	90	90
321	1	1	1	1	1	8	1	1		90	98

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Summary of Results									
PBL/T-Cells					B-Cells				
Total tested	21	21	21	21	17	17	17	17	
Positive	0	18	10	1	0	17	2	0	
Negative	21	3	11	20	17	0	15	17	
NT/Equivocal	6	6	6	6	4	4	4	4	
% Positive	0.0%	85.7%	47.6%	4.8%	0.0%	100.0%	11.8%	0.0%	
% Negative	100.0%	14.3%	52.4%	95.2%	100.0%	0.0%	88.2%	100.0%	
<b>Consensus</b>	<b>Negative</b>	<b>Positive</b>	<b>Not Assessed</b>	<b>Negative</b>	<b>Negative</b>	<b>Positive</b>	<b>Negative</b>	<b>Negative</b>	
HLA Antibody (Defined By CDC)	B51	A3, B7, B27, B22	B14+	DR17	B51	A3, B7, B27, B22	B14+	DR17	
Lab No.	With DTT				With DTT				
	Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4	
112	Negative	Positive	Positive	Negative					
116	Negative	Positive	Positive	Negative					
119	Negative	Positive	Positive	Negative					
120	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
139	NT	NT	NT	NT	NT	NT	NT	NT	Late delivery of samples
147	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
154	NT	NT	NT	NT	NT	NT	NT	NT	Unable to test with DTT - Low cell count
159	Negative	Positive	Positive	Negative	Negative	Positive	Negative	Negative	
174	NT	NT	NT	NT					Late delivery of samples
181	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
189	Negative	Positive	Positive	Positive	Negative	Positive	Positive	Negative	
190	NT	NT	NT	NT	NT	NT	NT	NT	Not tested due to low viability
193	Negative	Positive	Positive	Negative	Negative	Positive	Negative	Negative	
194	Negative	Positive	Weak Positive	Negative	Negative	Positive	Negative	Negative	
195	NT	NT	NT	NT	NT	NT	NT	NT	Late delivery of samples
197	Negative	Negative	Positive	Negative	Negative	Positive	Negative	Negative	
209	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
216	NT	NT	NT	NT					
229	Negative	Positive	Negative	Negative					
238	Negative	Positive	Positive	Negative	Negative	Positive	Negative	Negative	
245	Negative	Positive	Positive	Negative	Negative	Positive	Positive	Negative	
252	Negative	Weak Positive	Negative	Negative	Negative	Weak Positive	Negative	Negative	
260	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
293	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
294	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
297	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
321	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	

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Lab No.	PBL/T-cell with DTT				B-cell with DTT				Cell viability %		
	Serum 1 reaction strength	Serum 2 reaction strength	Serum 3 reaction strength	Serum 4 reaction strength	Serum 1 reaction strength	Serum 2 reaction strength	Serum 3 reaction strength	Serum 4 reaction strength	PBL	T-cells	B-cells
112	-1	8	8	-1					90		
116	1	6	8	1						90	
119	1	4	4	1					90		
120	1	4	1	1	1	8	1	1		100	100
139	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
147	1	8	1	1	1	8	1	1		100	100
154	NT	NT	NT	NT	NT	NT	NT	NT		95	85
159	1	4	6 AGH only	1	1	8	1	1		95	95
174	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
181	1	8	1	1	1	8	1	1	100		100
189	1	6	6	6	1	6	6	1	88	89	89
190	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
193	1	8	4	1	1	8	1	1		99	99
194	1	8	4	1	1	8	1	1	100	100	100
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
197			Weak			Weak				65	65
209						4				95	90
216	NT	NT	NT	NT					NT	NT	NT
229									50		
238	1	8	4	1	1	8	1	1	95	95	90
245	1	8	4	1	1	8	4	1	100	100	100
252	1	2-4	1	1	1	2-4	1	1	60		50
260		++++				++++				90	90
293		8				8				80	70
294	0	6	1	0	0	8	0	0		100	100
297	1	8	1	1	1	6	1	1	80	90	90
321	1	1	1	1	1	8	1	1		90	98