

UK NEQAS for H&I Scheme 2A - Cytotoxic Crossmatching

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A06/2016 OS PC

DISPATCHED ON 07TH JUNE 2016

HLA PHENOTYPE OF BLOOD DONOR: HLA-A1, A2; B55, B57; Cw6, Cw9; DR4, DR13; DQ6, DQ8

Summary of Results											
PBL/T-Cells					B-Cells						
Total tested	28	29	29	27	21	21	20	21			
Positive	2	1	1	12	18	1	6	19			
Negative	26	28	28	15	3	20	14	2			
NT/Equivocal	7	6	6	8	5	5	6	5			
% Positive	7.1%	3.4%	3.4%	44.4%	85.7%	4.8%	30.0%	90.5%			
% Negative	92.9%	96.6%	96.6%	55.6%	14.3%	95.2%	70.0%	9.5%			
Consensus	Negative	Negative	Negative	Not Assessed	Positive	Negative	Not Assessed	Positive			
HLA Antibody Specificity (Defined By CDC)	B12, DQ1	DR7	B40, B13,B47	A2, A28,A9	B12, DQ1	DR7	B40, B13,B47	A2, A28,A9			
Lab No.	PBL/T Cell Assessment	B Cell Assessment	Without DTT				Without DTT				Comments
			Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4	
112	YES	NO	NT	NT	NT	NT					Poor cell viability Sample could not be tested due to very low viability
119	YES	NO	NT	NT	NT	NT					
120	YES	YES	Negative	Negative	Negative	Negative	NT	NT	NT	NT	Uninterpretable results on B cells: cell viability <20%
128	YES	NO	Negative	Negative	Negative	Negative					
139	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Negative	Positive	
143	YES	NO	Negative	Negative	Negative	Negative					
147	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Positive	Positive	
154	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive	
157	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Negative	Positive	
159	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Negative	Positive	
169	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	
181	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Equivocal	Positive	
189	YES	NO	Negative	Positive	Negative	Negative					
190	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Positive	Positive	
193	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Negative	Positive	
194	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	
195	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Positive	Positive	
197	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Samples could not be tested because of poor cell viability
209	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive	
216	YES	NO	Positive	Negative	Negative	Positive					
223	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Due to low viability, the results cannot be evaluated.
229	YES	NO	Positive	Negative	Positive	Positive					
232	YES	NO	Negative	Negative	Negative	Negative					Please note that it is difficult to detect weak positive results due to the background that is present. The cells viability was too low
235	YES	NO	NT	Negative	Negative	NT					
238	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Positive	Positive	Serum 1: equivocal result because negative cytotoxic crossmatch with and without DTT on T cells, and weakly positive with DTT on PBL (reaction strength reported is on PBL) Serum 4: equivocal result because negative cytotoxic crossmatching with and without DTT on T cells, and weakly positive with and without DTT on PBL (reaction strength reported is on PBL)
245	YES	YES	Negative	Negative	Negative	Equivocal	Positive	Negative	Negative	Positive	
252	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
259	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
260	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	We couldn't test the samples due to poor cell viability.
262	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Positive	Positive	
292	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive	Cell viability was low therefore reading and interpretation was very difficult.
293	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive	
294	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Negative	Positive	
297	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	
321	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	

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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	NT	NT	NT	NT					20		
119	NT	NT	NT	NT					20		
120	1	1	1	1	NT	NT	NT	NT		80	<20
128	1	1	1	1					80		
139	1	1	1	6	8	1	1	8	85	85	85
143	1	1	1	1						95	
147	1	1	1	6	8	1	4	8	70	90	90
154	1	1	1	1	2	1	1	6	95		
157	1	1	1	6	8	1	1	8	80	80	50
159	1	1	1	8	8	1	1	8		90	80
169	NT	NT	NT	NT	NT	NT	NT	NT		<50	<50
181	1	1	1	8	8	1	4	8		98	98
189	2	4	2	2					95		
190	2%	2%	2%	2%	90%	50%	10%	100%		98	90
193	1	1	1	4	8	1	1	8	80	80	80
194	1	1	1	1	8	1	4	8	94		
195	2	2	2	4	8	2	4	8	85		75
197	NT	NT	NT	NT	NT	NT	NT	NT	50	60	60
209					8			8		80	95
216	4	2	2	4					70		
223	NT	NT	NT	NT	NT	NT	NT	NT		50	50
229	4		2	2					90		
232									70		
235		2	2						60		
238	1	1	1	4	8	1	6	8	90	90	50
245	1	1	1	2	2	1	1	8	100	100	100
252	1	1	1	1	1	2-4	2-4	2-4	85		80
259									30	20	20
260	NT	NT	NT	NT	NT	NT	NT	NT		30	10
262				6	6		6	8	75		
292					4			6		50	20
293					8			8		30	20
294	0	0	0	6	6	0	0	8		95	95
297	1	1	1	2	8	1	6	8	70	70	70
321	1	1	1	1	1	1	1	8		90	90

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Lab No.	Summary of Results															
	PBL				PBL Without DTT				T-Cells				T-Cells Without DTT			
	Without DTT				Serum 1	Serum 2	Serum 3	Serum 4	Without DTT				Serum 1	Serum 2	Serum 3	Serum 4
	Serum 1	Serum 2	Serum 3	Serum 4	reaction strength	reaction strength	reaction strength	reaction strength	Serum 1	Serum 2	Serum 3	Serum 4	reaction strength	reaction strength	reaction strength	reaction strength
120									Negative	Negative	Negative	Negative	1	1	1	1
143									Negative	Negative	Negative	Negative	1	1	1	1
147									Negative	Negative	Negative	Positive	1	1	1	6
154									Negative	Negative	Negative	Negative	1	1	1	1
181									Negative	Negative	Negative	Positive	1	1	1	8
189	Negative	Positive	Negative	Negative	2	4	2	2								
193	Negative	Negative	Negative	Positive	1	1	1	4	Negative	Negative	Negative	Positive	1	1	1	4
232	Negative	Negative	Negative	Negative												
245	Negative	Negative	Negative	Positive	1	1	1	2	Negative	Negative	Negative	Negative	1	1	1	1
262	Negative	Negative	Negative	Positive				6	Negative	Negative	Negative	Positive				6
292									Negative	Negative	Negative	Negative				

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PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITH DTT OF SAMPLE 2A06/2016 OS PC

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HLA PHENOTYPE OF BLOOD DONOR: HLA-A1, A2; B55, B57; Cw6, Cw9; DR4, DR13; DQ6, DQ8

			Summary of Results								
			PBL/T-Cells				B-Cells				
Total tested	22	24	24	22	16	17	15	17			
Positive	2	1	1	10	15	0	5	16			
Negative	20	23	23	12	1	17	10	1			
NT/Equivocal	7	5	5	7	7	6	8	6			
% Positive	9.1%	4.2%	4.2%	45.5%	93.8%	0.0%	33.3%	94.1%			
% Negative	90.9%	95.8%	95.8%	54.5%	6.3%	100.0%	66.7%	5.9%			
Consensus	Negative	Negative	Negative	Not Assessed	Positive	Negative	Not Assessed	Positive			
HLA Antibody Specificity (Defined by CDC)	B12, DQ1	DR7	B40, B13,B47	A2, A28,A9	B12, DQ1	DR7	B40, B13,B47	A2, A28,A9			
Lab No.	PBL/T Cell Assessment	B Cell Assessment	With DTT				With DTT				Comments
			Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4	
112	YES	NO	NT	NT	NT	NT					Poor cell viability
119	YES	NO	NT	NT	NT	NT					Sample could not be tested due to very low viability
120	YES	YES	Negative	Negative	Negative	Negative	NT	NT	NT	NT	Uninterpretable results on B cells: cell viability <20%
139	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Negative	Positive	
143	YES	NO	Negative	Negative	Negative	Negative					
147	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	
157	NO	YES					Positive	Negative	Negative	Positive	
159	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Negative	Positive	
169	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	
181	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Equivocal	Positive	
189	YES	NO	Negative	Positive	Negative	Negative					
190	YES	YES	Negative	Negative	Negative	Negative	NT	NT	NT	NT	We have not given the results of crossmatches with DTT involved, too high mortality.
193	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Negative	Positive	
194	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	
195	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Positive	Positive	
197	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Samples could not be tested because of poor cell viability
209	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive	
216	YES	NO	Positive	Negative	Negative	Positive					
229	YES	NO	Positive	Negative	Positive	Positive					
235	YES	NO	NT	Negative	Negative	NT					The cells viability was too low
238	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Positive	Positive	
245	YES	YES	Equivocal	Negative	Negative	Equivocal	Positive	Negative	Negative	Positive	Serum 1: equivocal result because negative cytotoxic crossmatch with and without DTT on T cells, and weakly positive with DTT on PBL (reaction strength reported is on PBL) Serum 4: equivocal result because negative cytotoxic crossmatching with and without DTT on T cells, and weakly positive with and without DTT on PBL (reaction strength reported is on PBL)
252	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
260	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	We couldn't test the samples due to poor cell viability.
262	YES	YES	Negative	Negative	Negative	Positive	NT	NT	NT	NT	B cell with DTT: a technical problem occurs, the negative control was found positive and the reactions could not be interpreted.
292	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive	Cell viability was low therefore reading and interpretation was very difficult.
293	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive	
294	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Negative	Positive	
297	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	
321	YES	YES	Negative	Negative	Negative	Negative	NT	Negative	NT	Positive	Results uninterpretable on B cell after treatment by DTT on serum 1 and serum 3

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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	NT	NT	NT	NT					20		
119	NT	NT	NT	NT					20		
120	1	1	1	1	NT	NT	NT	NT		80	<20
139	1	1	1	6	8	1	1	8	85	85	85
143	1	1	1	1						95	
147	1	1	1	6	8	1	4	8	70	90	90
157					8	1	1	8	80	80	50
159	1	1	1	8	8	1	1	8		90	80
169	NT	NT	NT	NT	NT	NT	NT	NT		<50	<50
181	1	1	1	8	8	1	4	8		98	98
189	2	4	1	1					95		
190	2%	2%	2%	2%	NT	NT	NT	NT		98	90
193	1	1	1	4	8	1	1	8	80	80	80
194	1	1	1	1	8	1	4	8	94		
195	2	2	2	4	8	2	4	8	85		75
197	NT	NT	NT	NT	NT	NT	NT	NT	50	60	60
209					8			8		80	95
216	4	2	2	4					70		
229	40%		20%	20%					90		
235		2	2						60		
238	1	1	1	4	8	1	6	8	90	90	50
245	2	1	1	2	8	1	1	8	100	100	100
252	1	1	1	1	1	2-4	2-4	2	85		80
260	NT	NT	NT	NT	NT	NT	NT	NT		30	10
262				4	NT	NT	NT	NT	75		
292					4			6		50	20
293					8			8		30	20
294	0	0	0	4	4	0	0	6		95	95
297	1	1	1	2	8	1	6	8	70	70	70
321	1	1	1	1		1		8		90	90

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Lab No.	Summary of Results															
	PBL				PBL With DTT				T-Cells				T-Cells With DTT			
	With DTT				Serum 1	Serum 2	Serum 3	Serum 4	With DTT				Serum 1	Serum 2	Serum 3	Serum 4
	Serum 1	Serum 2	Serum 3	Serum 4	reaction strength	reaction strength	reaction strength	reaction strength	Serum 1	Serum 2	Serum 3	Serum 4	reaction strength	reaction strength	reaction strength	reaction strength
120									Negative	Negative	Negative	Negative	1	1	1	1
143									Negative	Negative	Negative	Negative	1	1	1	1
147									Negative	Negative	Negative	Positive	1	1	1	6
154									NT	NT	NT	NT	NT	NT	NT	NT
181									Negative	Negative	Negative	Positive	1	1	1	8
189	Negative	Positive	Negative	Negative	2	4	1	1								
193	Negative	Negative	Negative	Positive	1	1	1	4	Negative	Negative	Negative	Positive	1	1	1	4
232	NT	NT	NT	NT	NT	NT	NT	NT								
245	Positive	Negative	Negative	Positive	2	1	1	2	Negative	Negative	Negative	Negative	1	1	1	1
262	Negative	Negative	Negative	Positive				4	Negative	Negative	Negative	Negative				
292									Negative	Negative	Negative	Negative				