

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A05/2015 OS PC

DESPATCHED ON 19TH MAY 2015

HLA PHENOTYPE OF BLOOD DONOR: HLA-A2, -, B44, B60; Cw3, Cw16; DR4, DR7; DQ2, DQ8

			Summary of Results							
			PBL/T-Cells				B-Cells			
Total tested			29	29	29	29	24	24	24	24
Positive			0	5	1	0	1	19	2	1
Negative			29	24	28	29	23	5	22	23
NT/Equivocal			5	5	5	5	1	1	1	1
% Positive			0.0%	17.2%	3.4%	0.0%	4.2%	79.2%	8.3%	4.2%
% Negative			100.0%	82.8%	96.6%	100.0%	95.8%	20.8%	91.7%	95.8%
<b>Consensus</b>			<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Positive</b>	<b>Negative</b>	<b>Negative</b>
HLA Antibody Specificity (Defined By CDC)			A24	B17	A1, DR3	A3	A24	B17	A1, DR3	A3
			Without DTT				Without DTT			
Lab No.	PBL/T Cell Assessment	B Cell Assessment	Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4
112	YES	NO	NT	NT	NT	NT				
116	YES	NO	Negative	Positive	Negative	Negative				
119	YES	NO	Negative	Positive	Negative	Negative				
120	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
126	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
128	YES	NO	Negative	Negative	Negative	Negative				
139	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
143	YES	NO	NT	NT	NT	NT				
147	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
154	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
157	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative
159	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
174	YES	NO	NT	NT	NT	NT				
181	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
189	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Positive
190	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
193	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
194	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
195	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT
197	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
209	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Positive	Negative
216	YES	NO	Negative	Positive	Negative	Negative				
223	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
229	YES	NO	Negative	Positive	Negative	Negative				
232	YES	NO	NT	NT	NT	NT				
238	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
245	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative
252	YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Positive	Negative
259	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative
260	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative
262	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
293	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative
294	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
297	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative

Comments

The samples arrived 28th May, probably due to a customs strike. Therefore cells not viable.

Low viability for both T and B cells.

Poor viability

Samples delayed due to customs.

2A delivered late, possibly due to airline problem.

Sample could not be tested as the lymphocytes were non-viable.

B cells may be suspect due to low cell viability.

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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					40		
116	1	4	1	1						85	
119	1	4	1	1					90		
120	1	1	1	1	1	8	1	1		100	100
126	0%	0%	5%	6%	0%	24%	4%	6%		60	60
128	1	1	1	1					98		
139	1	1	1	1	1	8	1	1		99	99
143	NT	NT	NT	NT						50	
147	1	1	1	1	1	8	1	1		100	100
154	1	1	1	1	1	8	1	1		95	95
157	1	1	1	1	1	1	1	1	100	100	100
159	1	1	1	1	1	8	1	1		100	90
174	NT	NT	NT	NT					NT	NT	NT
181	1	2	1	1	2	8	2	2	95		95
189	1	1	1	1	1	6	1	6	90	98	95
190	10%	10%	10%	10%	20%	90%	10%	20%		95	90
193	1	1	1	1	1	8	1	1		99	99
194	1	1	1	1	1	6	1	1	98		
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
197	-	-	-	-	-	Strong	-	-	80	70	70
209	-	-	-	-	2	8	2	-	90	90	
216	1	4	2	1					95		
223	2	1	1	2	2	8	1	1		95	95
229	-	30%	-	-					90		
232	NT	NT	NT	NT					0		
238	1	1	1	1	1	8	1	1	98	98	95
245	1	4	1	1	1	8	1	1	100	100	100
252	1	1	4-6	1	1	1	4-6	1	50		40
259	-	-	-	-	-	-	-	-	60	50	50
260	-	-	-	-	-	-	-	-		70	40
262	-	-	-	-	-	6	-	-	100		
293	-	-	-	-	-	-	-	-		40	40
294	0	0	0	0	0	8	0	0		100	100
297	1	1	1	1	2	8	1	1	90	90	90

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PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITH DTT OF SAMPLE 2A05/2015 OS PC

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HLA PHENOTYPE OF BLOOD DONOR: HLA-A2, -; B44, B60; Cw3, Cw16; DR4, DR7; DQ2, DQ8

			Summary of Results								
			PBL/T-Cells				B-Cells				
Total tested	22	22	22	22	20	20	20	20			
Positive	0	4	1	0	0	16	1	1			
Negative	22	18	21	22	20	4	19	19			
NT/Equivocal	5	5	5	5	2	2	2	2			
% Positive	0.0%	18.2%	4.5%	0.0%	0.0%	80.0%	5.0%	5.0%			
% Negative	100.0%	81.8%	95.5%	100.0%	100.0%	20.0%	95.0%	95.0%			
Consensus	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Positive</b>	<b>Negative</b>	<b>Negative</b>			
HLA Antibody Specificity (Defined By CDC)	A24	B17	A1, DR3	A3	A24	B17	A1, DR3	A3			
			With DTT				With DTT				
Lab No.	PBL/T Cell Assessment	B Cell Assessment	Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4	Comments
112	YES	NO	NT	NT	NT	NT					The samples arrived 28th May, probably due to a customs strike. Therefore cells not viable.
116	YES	NO	Negative	Positive	Negative	Negative					
119	YES	NO	NT	NT	NT	NT					DTT not tested due to technical problems.
120	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
139	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
147	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
154	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Not done with DTT: insufficient amount of cells.
157	NO	YES					Negative	Negative	Negative	Negative	
159	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
174	YES	NO	NT	NT	NT	NT					Samples delayed due to customs.
181	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
189	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Positive	
190	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
193	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
194	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
195	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	2A delivered late, possibly due to airline problem.
197	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
209	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
216	YES	NO	Negative	Positive	Negative	Negative					
229	YES	NO	Negative	Positive	Negative	Negative					
238	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
245	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
252	YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Positive	Positive	
260	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	B cells may be suspect due to low cell viability.
262	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
293	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
294	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
297	YES	YES	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	NT	NT	NT	NT					40		
116	1	4	1	1						85	
119	NT	NT	NT	NT					90		
120	1	1	1	1	1	6	1	1		100	100
139	1	1	1	1	1	6	1	1		99	99
147	1	1	1	1	1	8	1	1		100	100
154	NT	NT	NT	NT	NT	NT	NT	NT		95	95
157					1	1	1	1	100	100	100
159	1	1	1	1	1	6	1	1		100	90
174	NT	NT	NT	NT					NT	NT	NT
181	1	2	1	1	1	8	2	1	95		95
189	1	1	1	1	1	6	1	6	90	98	95
190	10%	10%	10%	10%	20%	90%	10%	20%		95	90
193	1	1	1	1	1	8	1	1		99	99
194	1	1	1	1	1	6	1	1	98		
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
197	-	-	-	-	-	Strong	-	-	80	70	70
209	-	-	-	-	-	8	-	-	90	90	
216	1	4	2	1					95		
229	-	30%	-	-					90		
238	1	1	1	1	1	6	1	1	98	98	95
245	1	4	1	1	1	8	1	1	100	100	100
252	1	1	4-6	1	1	1	4-6	1	50		40
260	-	-	-	-	-	-	-	-		70	40
262	-	-	-	-	-	6	-	-	100		
293	-	-	-	-	-	-	-	-		40	40
294	0	0	0	0	0	8	0	0		100	100
297	1	1	1	1	1	6	1	1	90	90	90