

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A07/2015 OS PC

DISPATCHED ON 14TH JULY 2015

HLA PHENOTYPE OF BLOOD DONOR: HLA-A1, A3; B7, B8; Cw7, -; DR15, DR17; DQ2, DQ6

			Summary of Results								
			PBL/T-Cells				B-Cells				
Total tested			26	25	26	26	21	22	22	22	
Positive			1	8	23	0	15	22	19	0	
Negative			25	17	3	26	6	0	3	22	
NT/Equivocal			8	9	8	8	4	3	3	3	
% Positive			3.8%	32.0%	88.5%	0.0%	71.4%	100.0%	86.4%	0.0%	
% Negative			96.2%	68.0%	11.5%	100.0%	28.6%	0.0%	13.6%	100.0%	
Consensus			Negative	Not Assessed	Positive	Negative	Not Assessed	Positive	Positive	Negative	
HLA Antibody Specificity (Defined By CDC)			Cw5, DR3	A10, B16	A1, B8, DR3	DQ3	Cw5, DR3	A10, B16	A1, B8, DR3	DQ3	
			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	Comments
112	YES	NO	NT	NT	NT	NT					Cell viability 50%, samples arrived 21/07/2015.
116	YES	YES	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	
119	YES	NO	Negative	Positive	Positive	Negative					
120	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Negative	
126	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative	
128	YES	NO	NT	NT	NT	NT					The viability of the cells was too low (<30%). There was a microbiological contamination in the sample.
139	YES	YES	Negative	Negative	Positive	Negative	NT	NT	NT	NT	Low count B cell.
143	YES	NO	NT	NT	NT	NT					Samples received 21/07/2015. Could not be tested due to viability: >20% death cells.
147	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative	
154	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Serum 3 positive at 22°C, negative at 37°C with T cells.
157	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative	
159	YES	YES	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	
174	YES	NO	Equivocal	Equivocal	Equivocal	NT					Serum 4 lysed.
181	YES	YES	Negative	Equivocal	Positive	Negative	Positive	Positive	Positive	Negative	Serum 2 results not interpretable according to our laboratory procedures regarding crossmatch test.
189	YES	NO	Negative	Negative	Positive	Negative					
190	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Negative	
193	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative	
194	YES	YES	Negative	Negative	Positive	Negative	Weak Positive	Positive	Positive	Negative	
195	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Samples not received until 22/07/2015
197	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Cell viability too low.
209	YES	YES	Negative	Positive	Positive	Negative	Negative	Positive	Positive	Negative	
216	YES	NO	NT	NT	NT	NT					
223	YES	YES	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Low number of T cells
229	YES	NO	NT	NT	NT	NT					
232	YES	NO	Negative	Negative	Positive	Negative					
238	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative	
245	YES	YES	Negative	Positive	Positive	Negative	Equivocal	Positive	Positive	Negative	
252	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
259	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
260	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Due to poor cell viability results seem unacceptable.
262	YES	YES	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	
293	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative	
294	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative	
297	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative	

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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					NT	NT	NT
116	1	2	8	1	8	8	8	1		98	90
119	1	4	8	1					95		
120	1	1	4	1	1	8	8	1		100	100
126	0%	0%	50%	0%	12%	70%	60%	0%		100	100
128	NT	NT	NT	NT					30		
139	1	1	4	1	NT	NT	NT	NT	90	90	
143	NT	NT	NT	NT						60	
147	1	1	8	1	8	8	8	1		100	100
154	1	1	6	1	4	2	6	1		95	95
157	1	1	8	1	6	8	8	1	100	100	100
159	1	6	8	1	8	8	8	1		95	95
174	NT	NT	NT	NT					80		
181	1	NT	8	1	8	8	8	1	90		90
189	1	1	4	1					88		
190	1%	1%	90%	1%	5%	100%	100%	5%		100	85
193	1	1	6	1	6	8	8	1		99	99
194	1	1	6	1	4	8	8	1		95	95
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
197	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
209	-	2	4	-	-	8	6	-	95		95
216	NT	NT	NT	NT					5		
223	4	4	8	1	8	8	8	1		80	90
229	NT	NT	NT	NT					5		
232	-	-	6	-					80		
238	1	1	8	1	6	8	8	1	95	95	95
245	1	4	6	1	2	8	8	1	100	100	100
252	1	4-6	1	1	1	4-6	1	1		50	30
259									80	80	75
260	-	-	-	-	-	++++	-	-		70	50
262	-	4	8	-	8	8	8	-	100	100	100
293	-	-	4	-	8	8	8	-		80	70
294	0	0	8	0	6	8	8	0		90	85
297	1	1	8	1	4	6	8	1	80	80	80

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PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITH DTT OF SAMPLE 2A07/2015 OS PC

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HLA PHENOTYPE OF BLOOD DONOR: HLA-A1, A3; B7, B8; Cw7, -; DR15, DR17; DQ2, DQ6

			Summary of Results								
			PBL/T-Cells				B-Cells				
Total tested			20	19	20	20	17	18	18	18	
Positive			0	7	18	0	12	18	16	0	
Negative			20	12	2	20	5	0	2	18	
NT/Equivocal			7	8	7	7	5	4	4	4	
% Positive			0.0%	36.8%	90.0%	0.0%	70.6%	100.0%	88.9%	0.0%	
% Negative			100.0%	63.2%	10.0%	100.0%	29.4%	0.0%	11.1%	100.0%	
<b>Consensus</b>			<b>Negative</b>	<b>Not Assessed</b>	<b>Positive</b>	<b>Negative</b>	<b>Not Assessed</b>	<b>Positive</b>	<b>Positive</b>	<b>Negative</b>	
HLA Antibody Specificity (Defined By CDC)			Cw5, DR3	A10, B16	A1, B8, DR3	DQ3	Cw5, DR3	A10, B16	A1, B8, DR3	DQ3	
			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					Cell viability 50%, samples arrived 21/07/2015.
116	YES	YES	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	
119	YES	NO	Negative	Positive	Positive	Negative					Low count B cell
120	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Negative	
139	YES	YES	Negative	Negative	Positive	Negative	NT	NT	NT	NT	Not done with DTT, insufficient amount of cells.
147	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative	
154	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Serum 4 lysed.
157	NO	YES					Positive	Positive	Positive	Negative	
159	YES	YES	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Serum 2 results not interpretable according to our laboratory procedures regarding crossmatch test.
174	YES	NO	Equivocal	Equivocal	Equivocal	NT					
181	YES	YES	Negative	Equivocal	Positive	Negative	Positive	Positive	Positive	Negative	
189	YES	YES	Negative	Negative	Positive	Negative					Samples not received until 22/07/2015
190	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Negative	
193	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Cell viability too low.
194	YES	YES	Negative	Negative	Positive	Negative	Weak Positive	Positive	Positive	Negative	
195	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	
197	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	
209	YES	YES	Negative	Positive	Positive	Negative	Negative	Positive	Positive	Negative	
216	YES	NO	NT	NT	NT	NT					
229	YES	NO	NT	NT	NT	NT					
238	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative	
245	YES	YES	Negative	Positive	Positive	Negative	Equivocal	Positive	Positive	Negative	
252	YES	YES	Negative	Positive	<b>Negative</b>	Negative	Negative	Positive	<b>Negative</b>	Negative	
260	YES	YES	Negative	Negative	<b>Negative</b>	Negative	Negative	Positive	<b>Negative</b>	Negative	
262	YES	YES	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Negative	
293	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative	
294	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative	
297	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	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					NT	NT	NT
116	1	2	8	1	6	8	8	1		98	90
119	1	2	6	1					95		
120	1	1	4	1	1	8	8	1		100	100
139	NT	NT	NT	NT	NT	NT	NT	NT	90	90	
147	1	1	8	1	8	8	8	1		100	100
154	NT	NT	NT	NT	NT	NT	NT	NT		95	95
157					8	8	8	1	100	100	100
159	1	4	8	1	8	8	8	1		95	95
174	NT	NT	NT	NT					80		
181	1	NT	8	1	8	8	8	1	90		90
189	1	1	4	1					88		
190	5%	5%	90%	5%	5%	100%	100%	5%		100	85
193	1	1	6	1	6	8	8	1		99	99
194	1	1	4	1	4	8	8	1		95	95
195	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
197	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
209	-	2	2	-	-	8	2	-	95		95
216	NT	NT	NT	NT					5		
229	NT	NT	NT	NT					5		
238	1	1	8	1	6	8	8	1	95	95	95
245	1	4	6	1	2	8	8	1	100	100	100
252	1	4-6	1	1	1	4-6	1	1		50	30
260	-	-	-	-	-	++++	-	-		70	50
262	-	4	4	-	6	6	6	-	100	100	100
293	-	-	8	-	8	8	8	-		80	70
294	0	0	8	0	6	8	8	0		90	85
297	1	1	8	1	4	6	8	1	80	80	80