

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A10/2016 OS PC

DISPATCHED ON 20TH SEPTEMBER 2016

HLA PHENOTYPE OF BLOOD DONOR: HLA-A30, A32; B7, B14; Cw7, Cw15; DR1, DR7; DQ2, DQ5

Summary of Results											
PBL/T-Cells				B-Cells							
Total tested	32	33	33	33	25	25	24	25			
Positive	4	0	0	0	24	0	0	1			
Negative	28	33	33	33	1	25	24	24			
NT/Equivocal	4	3	3	3	3	3	4	3			
% Positive	12.5%	0.0%	0.0%	0.0%	96.0%	0.0%	0.0%	4.0%			
% Negative	87.5%	100.0%	100.0%	100.0%	4.0%	100.0%	100.0%	96.0%			
<b>Consensus</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Positive</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>			
HLA Antibody Specificity (Defined By CDC)	DR1	A2	(B21 B62)+	Cw4	DR1	A2	(B21 B62)+	Cw4			
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	Negative	Negative	Negative	Negative					
119	YES	NO	<b>Positive</b>	Negative	Negative	Negative					
120	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
128	YES	NO	Negative	Negative	Negative	Negative					
133	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
139	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
143	YES	NO	Negative	Negative	Negative	Negative					
147	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
154	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
157	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
159	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	<b>Equivocal</b>	Negative	
169	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
181	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
189	YES	NO	Negative	Negative	Negative	Negative					
190	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
193	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
194	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
195	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
197	YES	YES	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	Samples could not be tested because of poor cell viability
209	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
216	YES	NO	Negative	Negative	Negative	Negative					
223	YES	YES	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	Low cell viability
<b>229</b>	YES	NO									
232	YES	NO	<b>Positive</b>	Negative	Negative	Negative					
235	YES	NO	<b>Positive</b>	Negative	Negative	Negative					
238	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
245	YES	YES	<b>Equivocal</b>	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
252	YES	YES	<b>Positive</b>	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
259	YES	YES	Negative	Negative	Negative	Negative	<b>Negative</b>	Negative	Negative	Negative	
260	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
262	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	<b>Positive</b>	
292	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
293	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
294	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
297	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
321	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
351	YES	YES	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	Low cell count and 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	1	1	1	1					85		
119	4	1	1	1					95		
120	1	1	1	1	8	1	1	1		100	100
128	1	1	1	1					95		
133	0	0	0	0	100	0	0	0		100	50
139	1	1	1	1	8	1	2	1			
143	1	1	1	1						90	
147	1	1	1	1	8	1	1	1		100	100
154	1	1	1	1	6	1	1	1	90		
157	1	1	1	1	8	1	1	2	100	100	100
159	1	1	1	1	8	1	2	1		99	99
169	1	1	1	1	8	1	1	1		97	97
181	1	1	1	1	8	1	2	1	88	90	88
189	2	1	1	1	2	1	1	1	88		
190	1%	1%	1%	1%	100%	1%	1%	1%		99	99
193	1	1	1	1	8	1	1	1	99	98	99
194	1	1	1	1	8	1	1	1	100		
195	2	2	2	2	6	2	2	2		80	80
197	NT	NT	NT	NT	NT	NT	NT	NT	30	20	20
209	1	1	1	1	8	1	1	1	85		85
216	2	2	2	2						95	90
223	NT	NT	NT	NT	NT	NT	NT	NT		<80	<80
229											
232	4+								80		
235	4	1	1	1					85		
238	1	1	1	1	6	1	1	1	90	90	85
245	4 PBL/1 Tcell	1	1	1	8	1	1	1	100	100	100
252	4	1	1	1	4	1	1	1	85		70
259									80	80	80
260					++++					80	80
262	1	1	1	1	8	1	1	4	85		
292					8					90	80
293					8+					30	30
294	0	0	0	0	8	0	0	0		98	98
297	1	1	1	1	6	1	1	1	80	80	80
321	1	1	1	1	2	1	1	1		95	90
351	NT	NT	NT	NT	NT	NT	NT	NT			

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PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A10/2016 OS PC

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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
112	Negative	Negative	Negative	Negative	1	1	1	1								
119	Positive	Negative	Negative	Negative	4	1	1	1								
147									Negative	Negative	Negative	Negative	1	1	1	1
154									Negative	Negative	Negative	Negative	1	1	1	1
189	Negative	Negative	Negative	Negative	2	1	1	1								
193	Positive	Negative	Negative	Negative	4	1	1	1	Negative	Negative	Negative	Negative	1	1	1	1
232	Positive	Negative	Negative	Negative	4+											

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PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITH DTT OF SAMPLE 2A10/2016 OS PC

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HLA PHENOTYPE OF BLOOD DONOR: HLA-A30, A32; B7, B14; Cw7, Cw15; DR1, DR7; DQ2, DQ5

			Summary of Results								
			PBL/T-Cells				B-Cells				
Total tested			27	28	28	28	23	23	22	23	
Positive			3	0	0	0	22	0	0	0	
Negative			24	28	28	28	1	23	22	23	
NT/Equivocal			2	1	1	1	1	1	2	1	
% Positive			11.1%	0.0%	0.0%	0.0%	95.7%	0.0%	0.0%	0.0%	
% Negative			88.9%	100.0%	100.0%	100.0%	4.3%	100.0%	100.0%	100.0%	
<b>Consensus</b>			<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Positive</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	
HLA Antibody Specificity (Defined By CDC)			DR1	A2	(B21 B62)+	Cw4	DR1	A2	(B21 B62)+	Cw4	
			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	Negative	Negative	Negative	Negative					
119	YES	NO	<b>Positive</b>	Negative	Negative	Negative					
120	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
133	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
139	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
143	YES	NO	Negative	Negative	Negative	Negative					
147	YES	YES	Negative	Negative	Negative	Negative					
157	NO	YES					Positive	Negative	Negative	Negative	
159	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	<b>Equivocal</b>	Negative	
169	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
181	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
189	YES	NO	Negative	Negative	Negative	Negative					
190	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
193	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
194	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
195	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
197	YES	YES	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	Samples could not be tested because of poor cell viability
209	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
216	YES	NO	Negative	Negative	Negative	Negative					
<b>229</b>	YES	NO									
235	YES	NO	<b>Positive</b>	Negative	Negative	Negative					
238	YES	YES	Negative	Negative	Negative	Negative	<b>Negative</b>	Negative	Negative	Negative	
245	YES	YES	<b>Equivocal</b>	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
252	YES	YES	<b>Positive</b>	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
260	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
262	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
292	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
293	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
294	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
297	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
321	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	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	1	1	1					85		
119	4	1	1	1					95		
120	1	1	1	1	8	1	1	1		100	100
133	0	0	0	0	100	0	0	0		100	50
139	1	1	1	1	8	1	1	1			
143	1	1	1	1						90	
147	1	1	1	1	8	1	1	1		100	100
157					8	1	1	2	100	100	100
159	1	1	1	1	8	1	2	1		99	99
169	1	1	1	1	8	1	1	1		97	97
181	1	1	1	1	8	1	2	1	88	90	88
189	1	1	1	1	1	1	1	1	88		
190	1%	1%	1%	1%	100%	1%	1%	1%		99	99
193	1	1	1	1	8	1	1	1	99	98	99
194	1	1	1	1	8	1	1	1	100		
195	2	2	2	2	6	2	2	2		80	80
197	NT	NT	NT	NT	NT	NT	NT	NT	30	20	20
209	1	1	1	1	8	1	1	1	85		85
216	2	2	2	2						95	90
229											
235	4	1	1	1					85		
238	1	1	1	1	1	1	1	1	90	90	85
245	4 PBL/1 Tcell	1	1	1	8	1	1	1	100	100	100
252	4	1	1	1	4	1	1	1	85		70
260					++					80	80
262	1	1	1	1	8	1	1	1	85		
292					8					90	80
293					8+					30	30
294	0	0	0	0	8	0	0	0		98	98
297	1	1	1	1	6	1	1	1	80	80	80
321	1	1	1	1	8	1	1	1		95	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
112	Negative	Negative	Negative	Negative	1	1	1	1								
119	Positive	Negative	Negative	Negative	4	1	1	1								
147									Negative	Negative	Negative	Negative	1	1	1	1
189	Negative	Negative	Negative	Negative	1	1	1	1								
193	Positive	Negative	Negative	Negative	4	1	1	1	Negative	Negative	Negative	Negative	1	1	1	1