

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A03/2016 OS PC

DISPATCHED ON 05TH APRIL 2016

HLA PHENOTYPE OF BLOOD DONOR: HLA-A1, A66; B41, B58; Cw7, Cw17; DR7, DR17; DQ2, DQ-

			Summary of Results								
			PBL/T-Cells				B-Cells				
Total tested			32	31	29	32	23	23	21	23	
Positive			1	9	18	32	7	10	15	23	
Negative			31	22	11	0	16	13	6	0	
NT/Equivocal			3	4	6	3	3	3	5	3	
% Positive			3.1%	29.0%	62.1%	100.0%	30.4%	43.5%	71.4%	100.0%	
% Negative			96.9%	71.0%	37.9%	0.0%	69.6%	56.5%	28.6%	0.0%	
<b>Consensus</b>			<b>Negative</b>	<b>Not Assessed</b>	<b>Not Assessed</b>	<b>Positive</b>	<b>Not Assessed</b>	<b>Not Assessed</b>	<b>Not Assessed</b>	<b>Positive</b>	
HLA Antibody Specificity (Defined By CDC)			B5	A1	A1,A11,Cw4+	A10+	B5	A1	A1,A11,Cw4+	A10+	
			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					Problems with cell viability, 60%. Problem with courier, which led to late arrival of samples, 7 days
119	YES	NO	Negative	Positive	Positive	Positive					
120	YES	YES	Negative	Negative	Positive	Positive	Negative	Negative	Positive	Positive	
128	YES	NO	Negative	Negative	Negative	Positive					
139	YES	YES	Negative	Positive	Negative	Positive	NT	NT	NT	NT	Low viability B cells
143	YES	NO	Negative	Negative	Negative	Positive					
147	YES	YES	Negative	Negative	Equivocal	Positive	Negative	Positive	Equivocal	Positive	
154	YES	YES	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Positive	
157	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Positive	Positive	
159	YES	YES	Negative	Positive	Positive	Positive	Negative	Positive	Negative	Positive	
169	YES	YES	Negative	Negative	Positive	Positive	Negative	Negative	Positive	Positive	
181	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Cell viability was below quality criteria due to late delivery as delivered to wrong department
189	YES	NO	Positive	Positive	Negative	Positive					
190	YES	YES	Negative	Negative	Positive	Positive	Positive	Positive	Positive	Positive	
193	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	PBL/T cell table = results on T cell
194	YES	YES	Negative	Negative	Equivocal	Positive	Negative	Negative	Positive	Positive	
195	YES	YES	Negative	Negative	Positive	Positive	Positive	Positive	Positive	Positive	
197	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	No results returned
209	YES	YES	Negative	Positive	Positive	Positive	Positive	Positive	Positive	Positive	
216	YES	NO	Negative	Negative	Positive	Positive					
223	YES	YES	Negative	NT	Positive	Positive	Positive	Positive	NT	Positive	T cell serum 2 and B cell serum 3: not tested due to low viability
229	YES	NO	Negative	Positive	Positive	Positive					
232	YES	NO	Negative	Negative	Negative	Positive					
235	YES	NO	Negative	Positive	Positive	Positive					
238	YES	YES	Negative	Positive	Positive	Positive	Negative	Positive	Positive	Positive	
245	YES	YES	Negative	Negative	Positive	Positive	Positive	Negative	Positive	Positive	Results for PBL/T cells are for PBL only because of poor T cell viability after cell sorting
252	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	
259	YES	YES	Negative	Negative	NT	Positive	Negative	Negative	Positive	Positive	
260	YES	YES	Negative	Negative	Positive	Positive	Negative	Negative	Positive	Positive	
262	YES	YES	Negative	Negative	Positive	Positive	Positive	Positive	Positive	Positive	
292	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	
293	YES	YES	Negative	Negative	Positive	Positive	Negative	Negative	Positive	Positive	
294	YES	YES	Negative	Negative	Positive	Positive	Negative	Negative	Positive	Positive	
297	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	
321	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	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					60		
119	1	4	4	8					95		
120	1	1	6	8	1	1	4	8		100	100
128	1	1	1	6					98		
139	1	6	1	8	NT	NT	NT	NT		80	
143	1	1	1	8						98	
147	1	1	2	8	1	4	2	8		95	85
154	1	2	4	8	2	2	2	8	95		
157	1	1	1	8	1	1	4	8	100	100	100
159	1	8	4	8	1	6	1	8		100	80
169	1	2	4	8	1	2	4	8		95	95
181	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
189	6	6	1	6					97		
190	2%	2%	95%	100%	50%	50%	80%	100%		2	5
193	1	2	1	8	1	1	1	8		95	90
194	1	1	4	8	1	1	6	8	100	99	99
195	1	1	4	8	6	4	4	8	80		70
197	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
209	1	2	4	8	6	6	6	8	85		
216	2	2	4	6					90		
223	2	NT	8	8	8	8	NT	8		95	95
229		4	6	8					95		
232				6+					80		
235	1	4	8	8					90		
238	1	4	6	8	1	6	8	8	95	95	90
245	1	1	4	8	6	2	2	8	100	50	100
252	1	1	1	6	1	1	1	6	85		75
259									40	20	20
260	-	-	++	++++	-	-	++	++++		80	60
262			4	8	8	8	6	8	97		
292				8				8	95		80
293	-	-	2	8	-	-	4	8		80	80
294	0	2	6	8	0	2	6	8		90	90
297	1	2	2	8	1	2	2	8	90	90	90
321	1	1	1	6	1	2	1	8		99	98

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PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITH DTT OF SAMPLE 2A03/2016 OS PC

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HLA PHENOTYPE OF BLOOD DONOR: HLA-A1, A66; B41, B58; Cw7, Cw17; DR7, DR17; DQ2, DQ-

			Summary of Results									
			PBL/T-Cells				B-Cells					
Total tested			25	25	22	25	19	19	18	19		
Positive			1	7	10	25	0	6	10	19		
Negative			24	18	12	0	19	13	8	0		
NT/Equivocal			4	4	7	4	4	4	5	4		
% Positive			4.0%	28.0%	45.5%	100.0%	0.0%	31.6%	55.6%	100.0%		
% Negative			96.0%	72.0%	54.5%	0.0%	100.0%	68.4%	44.4%	0.0%		
<b>Consensus</b>			<b>Negative</b>	<b>Not Assessed</b>	<b>Not Assessed</b>	<b>Positive</b>	<b>Negative</b>	<b>Not Assessed</b>	<b>Not Assessed</b>	<b>Positive</b>		
HLA Antibody Specificity (Defined By CDC)			B5	A1	A1,A11,Cw4+	A10+	B5	A1	A1,A11,Cw4+	A10+		
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						Problems with cell viability, 60%. Problem with courier, which led to late arrival of samples, 7 days
119	YES	NO	Negative	Positive	Equivocal	Positive						
120	YES	YES	Negative	Negative	Positive	Positive	Negative	Negative	Positive	Positive		Low viability B cells
139	YES	YES	Negative	Positive	Negative	Positive	NT	NT	NT	NT		
143	YES	NO	Negative	Negative	Negative	Positive						Cell viability was below quality criteria due to late delivery as delivered to wrong department
147	YES	YES	Negative	Negative	Equivocal	Positive	Negative	Positive	Equivocal	Positive		
157	NO	YES					Negative	Negative	Positive	Positive		DTT not tested, too high mortality PBL/T cell table = results on T cell
159	YES	YES	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive		
169	YES	YES	Negative	Negative	Positive	Positive	Negative	Negative	Positive	Positive		No results returned
181	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT		
189	YES	NO	Positive	Positive	Negative	Positive						Results for PBL/T cells are for PBL only because of poor T cell viability after cell sorting
190	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT		
193	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive		
194	YES	YES	Negative	Negative	Equivocal	Positive	Negative	Negative	Positive	Positive		
195	YES	YES	Negative	Negative	Positive	Positive	Negative	Negative	Negative	Positive		
197	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT		
209	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Positive		
216	YES	NO	Negative	Negative	Positive	Positive						
229	YES	NO	Negative	Positive	Positive	Positive						
235	YES	NO	Negative	Positive	Positive	Positive						
238	YES	YES	Negative	Positive	Positive	Positive	Negative	Positive	Positive	Positive		
245	YES	YES	Negative	Negative	Positive	Positive	Negative	Negative	Positive	Positive		
252	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive		
260	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive		
262	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Positive		
292	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive		
293	YES	YES	Negative	Negative	Positive	Positive	Negative	Negative	Positive	Positive		
294	YES	YES	Negative	Negative	Positive	Positive	Negative	Negative	Positive	Positive		
297	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive		
321	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Negative	Positive		

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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					60		
119	1	4	2	8					95		
120	1	1	2	8	1	1	2	8		100	100
139	1	4	1	8	NT	NT	NT	NT		80	
143	1	1	1	8						98	
147	1	1	2	8	1	4	2	8		95	85
157					1	1	6	8	100	100	100
159	1	6	1	8	1	6	1	8		100	80
169	1	1	4	8	1	1	4	8		95	95
181	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
189	6	6	1	6						97	
190	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
193	1	1	1	8	1	1	1	8		95	90
194	1	1	2	6	1	1	4	8	100	99	99
195	1	1	4	8	1	2	2	8	80		70
197	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
209	1	1	1	6	1	4	4	8	85		
216	2	2	4	6						90	
229		40%	60	100%						95	
235	1	4%	8	8%						90	
238	1	4	6	8	1	6	8	8	95	95	90
245	1	1	4	8	1	2	2	8	100	50	100
252	1	1	1	6	1	1	1	6	85		75
260	-	-	-	++++	-	-	-	++++		80	60
262				8		6	4	8	97		
292				8				8	95		80
293	-	-	6	8	-	-	6	8		80	80
294	0	0	6	8	0	0	6	8		90	90
297	1	1	1	4	1	1	1	6	90	90	90
321	1	1	1	6	1	2	1	8		99	98