

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A04/2016 OS PC

DISPATCHED ON 05TH APRIL 2016

HLA PHENOTYPE OF BLOOD DONOR: HLA-A3, A32; B7, B39; Cw7, Cw-; DR14, DR15; DQ5, DQ6

			Summary of Results								
			PBL/T-Cells				B-Cells				
Total tested			31	31	31	28	22	22	20	22	
Positive			0	0	2	8	0	1	2	20	
Negative			31	31	29	20	22	21	18	2	
NT/Equivocal			4	4	4	7	4	4	6	4	
% Positive			0.0%	0.0%	6.5%	28.6%	0.0%	4.5%	10.0%	90.9%	
% Negative			100.0%	100.0%	93.5%	71.4%	100.0%	95.5%	90.0%	9.1%	
Consensus			Negative	Negative	Negative	Not Assessed	Negative	Negative	Negative	Positive	
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	Negative	Positive	Positive					
120	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Equivocal	Positive	
128	YES	NO	Negative	Negative	Negative	Negative					
139	YES	YES	Negative	Negative	Negative	Negative	NT	NT	NT	NT	Low viability B cells
143	YES	NO	Negative	Negative	Negative	Negative					
147	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
154	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
157	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
159	YES	YES	Negative	Negative	Negative	Equivocal	Negative	Negative	Negative	Positive	
169	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	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	Negative	Negative	Negative	Positive					
190	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
193	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	PBL/T cell table = results on T cell
194	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
195	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
197	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	No results returned
209	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Positive	
216	YES	NO	Negative	Negative	Negative	Positive					
223	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Not tested due to low viability
229	YES	NO	Negative	Negative	Negative	Negative					
232	YES	NO	Negative	Negative	Negative	Positive					
235	YES	NO	Negative	Negative	Positive	Positive					
238	YES	YES	Negative	Negative	Negative	Equivocal	Negative	Negative	Negative	Positive	
245	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	Results are given for PBL
252	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Negative	Positive	
259	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	
260	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
262	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Equivocal	Positive	
292	YES	YES	Negative	Negative	Negative	Equivocal	Negative	Negative	Negative	Positive	
293	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
294	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Positive	
297	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
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					50		
119	1	1	2	4					90		
120	1	1	1	1	1	1	2	8		100	100
128	1	1	1	1					98		
139	1	1	1	1	NT	NT	NT	NT		80	
143	1	1	1	1						95	
147	1	1	1	1	1	1	1	8		95	90
154	1	1	1	1	1	1	1	8	95		
157	1	1	1	1	1	1	1	8	100	100	50
159	1	1	1	2	1	1	1	8		100	50
169	1	1	1	1	1	1	1	8		95	95
181	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
189	1	1	1	6					98		
190	2%	2%	2%	2%	20%	10%	10%	100%		2	10
193	1	1	1	1	1	1	1	8		95	90
194	1	1	1	1	1	1	1	8	100	99	99
195	1	1	1	1	1	1	1	8	80		70
197	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
209	1	1	1	1	1	1	6	8	80		
216	2	1	2	4					95		
223	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
229									90		
232				6+					70		
235	1	2	6	8					90		
238	1	1	1	2	1	1	1	8	95	95	90
245	1	1	1	4	1	1	1	8	100	100	100
252	1	1	1	6	1	4-6	1	6	85		80
259									20	20	20
260	-	-	-	-	-	-	-	+++		90	60
262								8	96		
292				2				8	95		80
293	-	-	-	-	-	-	-	-		80	80
294	0	0	2	0	0	0	4	8		100	100
297	1	1	1	1	1	1	1	2	90	90	90
321	1	1	1	1	1	1	1	8		99	98

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HLA PHENOTYPE OF BLOOD DONOR: HLA-A3, A32; B7, B39; Cw7, Cw-; DR14, DR15; DQ5, DQ6

Summary of Results											
PBL/T-Cells				B-Cells							
Total tested	25	25	25	23	18	18	17	19			
Positive	0	0	1	6	0	1	2	17			
Negative	25	25	24	17	18	17	15	2			
NT/Equivocal	4	4	4	6	5	5	6	4			
% Positive	0.0%	0.0%	4.0%	26.1%	0.0%	5.6%	11.8%	89.5%			
% Negative	100.0%	100.0%	96.0%	73.9%	100.0%	94.4%	88.2%	10.5%			
Consensus	Negative	Negative	Negative	Not Assessed	Negative	Negative	Negative	Positive			
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	Negative	Negative	Positive					
120	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Equivocal	Positive	Low viability B cells
139	YES	YES	Negative	Negative	Negative	Negative	NT	NT	NT	NT	
143	YES	NO	Negative	Negative	Negative	Negative					
147	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
157	NO	YES					Negative	Negative	Negative	Positive	
159	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
169	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	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	Negative	Negative	Negative	Positive					
190	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	DTT not tested, too high mortality
193	YES	YES	Negative	Negative	Negative	Negative	NT	NT	Negative	Positive	
194	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	PBL/T cell table = results on T cell. Serum 1 and 2 on B cells: results not interpretable
195	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
197	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	No results returned
209	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Positive	
216	YES	NO	Negative	Negative	Negative	Positive					
229	YES	NO	Negative	Negative	Negative	Negative					
235	YES	NO	Negative	Negative	Positive	Positive					
238	YES	YES	Negative	Negative	Negative	Equivocal	Negative	Negative	Negative	Positive	Results are given for PBL
245	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	
252	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Negative	Positive	
260	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
262	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Equivocal	Positive	
292	YES	YES	Negative	Negative	Negative	Equivocal	Negative	Negative	Negative	Positive	
293	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
294	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Positive	
297	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
321	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	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					50		
119	1	1	1	4					90		
120	1	1	1	1	1	1	2	8		100	100
139	1	1	1	1	NT	NT	NT	NT		80	
143	1	1	1	1						95	
147	1	1	1	1	1	1	1	8		95	90
157					1	1	1	8	100	100	50
159	1	1	1	1	1	1	1	8		100	50
169	1	1	1	1	1	1	1	8		95	95
181	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
189	1	1	1	6						98	
190	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
193	1	1	1	1	NT	NT	1	8		95	90
194	1	1	1	1	1	1	1	8	100	99	99
195	1	1	1	1	1	1	1	8	80		70
197	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
209	1	1	1	1	1	1	6	8	80		
216	2	1	2	4						95	
229										90	
235	1	2	6	8						90	
238	1	1	1	2	1	1	1	8	95	95	90
245	1	1	1	4	1	1	1	8	100	100	100
252	1	1	1	6	1	4-6	1	6	85		80
260	-	-	-	-	-	-	-	++		90	60
262								6	96		
292				2				8	95		80
293	-	-	-	-	-	-	-	-		80	80
294	0	0	0	0	0	0	4	6		100	100
297	1	1	1	1	1	1	1	2	90	90	90
321	1	1	1	1	1	1	1	8		99	98