

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A02/2018 PC

DESPATCHED ON 20TH MARCH 2018

HLA PHENOTYPE OF BLOOD DONOR: HLA-A2, A23; B44, B-; Cw4, Cw5; DR4, DR7; DQ2, DQ7

				Summary of Results												
				PBL				T-Cells				B-Cells				
Total tested	9	9	9	9	21	21	21	21	16	16	15	16				
Positive	0	8	0	0	0	19	0	0	0	15	1	0				
Negative	9	1	9	9	21	2	21	21	16	1	14	16				
NT	4	4	4	4	6	6	6	6	10	10	11	10				
% Positive	0.0%	88.9%	0.0%	0.0%	0.0%	90.5%	0.0%	0.0%	0.0%	93.8%	6.7%	0.0%				
% Negative	100.0%	11.1%	100.0%	100.0%	100.0%	9.5%	100.0%	100.0%	100.0%	6.3%	93.3%	100.0%				
Consensus	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative				
HLA Antibody Specificity (Defined By CDC)	B8 DR3	B14+	DR1	A3	B8 DR3	B14+	DR1	A3	B8 DR3	B14+	DR1	A3				
Lab No.	PBL Assessment	T Cell Assessment	B Cell Assessment	Without DTT				Without DTT				Without DTT				Comments
				Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4	
112	YES			NT	NT	NT	NT									Problems with cell viability, after treatment with percoll 40% which was 60%. Problems with the courier, which led to the late arrival of the samples, which was 6 days.
119	YES			Negative	Positive	Negative	Negative									
120		YES	YES					Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
128	YES			NT	NT	NT	NT									Did not perform due to workload.
133		YES	YES					Negative	Positive	Negative	Negative	Negative	Positive	NT	Negative	
139	YES	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Quality of samples received in limits of acceptability (samples with aggregated cells).
143		YES	YES					Negative	Positive	Negative	Negative					
147	YES	YES	YES	NT	NT	NT	NT	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	1=> Negative 2=> Equivocal 4=> Weak 8=> Strong PBL's analysis is not realised because of the weak cells.
154		YES	YES					Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
157	YES			Negative	Positive	Negative	Negative									
159		YES	YES					Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
163		YES	YES					Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
169		YES	YES					Negative	Positive	Negative	Negative	Negative	Positive	Positive	Negative	
189	YES			Negative	Negative	Negative	Negative									
190		YES	YES					Negative	Positive	Negative	Negative	NT	NT	NT	NT	Low B-cell viability.
193		YES	YES					Negative	Positive	Negative	Negative	NT	NT	NT	NT	Low B-cell viability.
194		YES	YES					Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
195		YES	YES					Negative	Positive	Negative	Negative	NT	NT	NT	NT	Not enough B cells in the sample.
197		YES	YES					NT	NT	NT	NT	NT	NT	NT	NT	Sample could not be tested because of poor cell viability.
209		YES	YES					Negative	Positive	Negative	Negative					Low B-cell viability.
216		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
229	YES			Negative	Positive	Negative	Negative									
232		YES	YES					NT	NT	NT	NT	NT	NT	NT	NT	Delivery delay.
235	YES			Negative	Positive	Negative	Negative									
238	YES	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
239	YES	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
245	YES	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
252	YES			NT	NT	NT	NT					NT	NT	NT	NT	No results returned
260		YES	YES					Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Low B-cell viability.
262																
292		YES	YES					NT	NT	NT	NT	NT	NT	NT	NT	Low B-cell viability.
293		YES	YES					NT	NT	NT	NT	NT	NT	NT	NT	No results returned
294		YES	YES					Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
297		YES	YES					Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Serum two with DTT was reported "equivocal" because the score between 2 and 4 (the cutoff for positive is 4 in our lab).
321		YES	YES					NT	NT	NT	NT	NT	NT	NT	NT	No results returned
351		YES	YES					NT	NT	NT	NT	NT	NT	NT	NT	Cell viability too low to perform the tests (less than 70% for both).

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Lab No.	PBL without DTT				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	Serum 1 reaction strength	Serum 2 reaction strength	Serum 3 reaction strength	Serum 4 reaction strength	PBL	T-cells	B-cells
112													60		
119	1	8	1	1									90		
120					1	6	1	1	1	4	1	1		99	99
128	NT	NT	NT	NT											
133					2	8	2	2	2	8	NT	2	80	80	80
139	1	8	1	1	1	8	1	1	1	6	1	1	75	75	60
143					1	8	1	1						>90	
147	NT	NT	NT	NT	1	4	1	1	1	4	1	1		100	85
154					1	6	1	1	1	8	1	1	95	95	90
157	1	8	1	1									100		
159					1	6	1	1	1	6	1	1		99	99
163					1	8	1	1	1	8	1	1		80	80
169					1	8	1	1	1	8	4	1			
189	1	1	1	1									90		
190					5%	90%	5%	5%	NT	NT	NT	NT		95	
193					1	4	1	1						85	
194					1	8	1	1	1	6	1	1		98	90
195					2	8	2	2	NT	NT	NT	NT		70	NT
197					NT	NT	NT	NT	NT	NT	NT	NT	60	50	40
209					1	6	1	1							
216					1	1	1	1	1	2	1	1		95	90
229		4											90		
232															
235	1	8	1	1									85		
238	1	8	1	1	1	8	1	1	1	8	1	1	80	90	50
239	1	8	1	1	1	8	1	1	1	8	1	1	96	96	96
245	1	6	1	1	1	6	1	1	1	4	1	1	100	100	100
252															
260					-	++	-	-	-	++	-	-		90	70
262													100		
292					NT	NT	NT	NT	NT	NT	NT	NT		25	15
293															
294					0	6	0	0	0	6	0	0		95	95
297					1	1	1	1	1	6	1	1		80	80
321															
351					NT	NT	NT	NT	NT	NT	NT	NT			

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PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITH DTT OF SAMPLE 2A02/2018 PC

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				Summary of Results													
				PBL				T-Cells				B-Cells					
Total tested	9	9	9	9	20	20	20	20	15	14	14	15					
Positive	0	8	0	0	0	16	0	0	0	12	0	0					
Negative	9	1	9	9	20	4	20	20	15	2	14	15					
NT	3	3	3	3	5	5	5	5	9	10	10	9					
% Positive	0.0%	88.9%	0.0%	0.0%	0.0%	80.0%	0.0%	0.0%	0.0%	85.7%	0.0%	0.0%					
% Negative	100.0%	11.1%	100.0%	100.0%	100.0%	20.0%	100.0%	100.0%	100.0%	14.3%	100.0%	100.0%					
Consensus	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative					
HLA Antibody Specificity (Defined By CDC)	B8 DR3	B14+	DR1	A3	B8 DR3	B14+	DR1	A3	B8 DR3	B14+	DR1	A3					
Lab No.	PBL Assessment	T Cell Assessment	B Cell Assessment	With DTT				With DTT				With DTT				Comments	
				Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4		
112	YES			NT	NT	NT	NT										
119	YES			Negative	Positive	Negative	Negative										
120		YES	YES					Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
133		YES	YES					Negative	Positive	Negative	Negative	Negative	Positive	NT	Negative	Negative	
139	YES	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative		
143		YES						Negative	Positive	Negative	Negative						
147	YES	YES	YES	NT	NT	NT	NT	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative		
157	YES			Negative	Positive	Negative	Negative										
159		YES	YES					Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
163		YES	YES					Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
169		YES	YES					Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative		
189	YES			Negative	Negative	Negative	Negative										
190		YES	YES					Negative	Positive	Negative	Negative	NT	NT	NT	NT		
193		YES	YES					Negative	Positive	Negative	Negative	NT	NT	NT	NT		
194		YES	YES					Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative		
195		YES	YES					Negative	Positive	Negative	Negative	NT	NT	NT	NT		
197		YES	YES					NT	NT	NT	NT	NT	NT	NT	NT		
209		YES						Negative	Negative	Negative	Negative						
216		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative		
229	YES			Negative	Positive	Negative	Negative										
235	YES			Negative	Positive	Negative	Negative										
238	YES	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative		
245	YES	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative		
252	YES		YES	NT	NT	NT	NT					NT	NT	NT	NT		No results returned
260		YES	YES					Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
262	YES	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative		
292		YES	YES					NT	NT	NT	NT	NT	NT	NT	NT		
293		YES	YES	NT	NT	NT	NT					NT	NT	NT	NT		No results returned
294		YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
297		YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	NT	Negative	Negative		
321		YES	YES	NT	NT	NT	NT					NT	NT	NT	NT		No results returned
351		YES	YES	NT	NT	NT	NT					NT	NT	NT	NT		

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	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	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	1	1									90		
120					1	6	1	1	1	4	1	1		99	99
133					2	8	2	2	2	8	NT	2	80	80	80
139	1	8	1	1	1	8	1	1	1	6	1	1			
143					1	8	1	1						>90	
147	NT	NT	NT	NT	1	4	1	1	1	4	1	1		100	85
157	1	8	1	1									100		
159					1	6	1	1	1	4	1	1		99	99
163					1	8	1	1	1	8	1	1		80	80
169					1	8	1	1	1	8	1	1			
189	1	1	1	1									90		
190					5%	80%	5%	5%	NT	NT	NT	NT		95	
193					1	4	1	1						85	
194					1	4	1	1	1	4	1	1		98	90
195					2	8	2	2	NT	NT	NT	NT		70	NT
197					NT	NT	NT	NT	NT	NT	NT	NT	60	50	40
209															
216					1	1	1	1	1	1	1	1		95	90
229		4											90		
235	1	8	1	1									85		
238	1	8	1	1	1	8	1	1	1	8	1	1	80	90	50
245	1	6	1	1	1	6	1	1	1	6	1	1	100	100	100
252															
260					-	++	-	-	-	++	-	-		90	70
262	1	8	1	1	1	4	1	1	1	8	1	1	100		
292					NT	NT	NT	NT	NT	NT	NT	NT		25	15
293															
294					0	0	0	0	0	0	0	0		95	95
297					1	1	1	1	1	NT	1	1		80	80
321															
351					NT	NT	NT	NT	NT	NT	NT	NT			