

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A09/2016 OS WB

DISPATCHED ON 20TH SEPTEMBER 2016

HLA PHENOTYPE OF BLOOD DONOR: HLA-A3, A68; B18, B37; Cw5, Cw6; DR1, DR17; DQ2, DQ5

		Summary of Results									
		PBL/T-Cells				B-Cells					
Total tested		17	17	17	16	13	14	14	14		
Positive		2	2	0	0	10	13	0	0		
Negative		15	15	17	16	3	1	14	14		
NT/Equivocal		1	1	1	2	2	1	1	1		
% Positive		11.8%	11.8%	0.0%	0.0%	76.9%	92.9%	0.0%	0.0%		
% Negative		88.2%	88.2%	100.0%	100.0%	23.1%	7.1%	100.0%	100.0%		
Consensus		Negative	Negative	Negative	Negative	Positive	Positive	Negative	Negative		
HLA Antibody Specificity (Defined By CDC)		(B21 B62)+	DR1	A2	Cw4	(B21 B62)+	DR1	A2	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
101	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Negative	
114	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
116	YES	YES	Positive	Positive	Negative	Negative	Positive	Positive	Negative	Negative	
117	YES	NO	Negative	Negative	Negative	Negative					
136	YES	NO	Negative	Negative	Negative	Negative					
145	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
149	YES	NO	Negative	Negative	Negative	Equivocal					
162	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Negative	
163	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Negative	
186	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Negative	
204	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Negative	
206	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Negative	
212	YES	YES	Weak Positive	Weak Positive	Negative	Negative	Weak Positive	Positive	Negative	Negative	
227	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Negative	
268	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Low number of cells and poor viability
284	YES	YES	Negative	Negative	Negative	Negative	Equivocal	Positive	Negative	Negative	Difficulty interpreting serum 1 with B-cells - poor viability
311	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Negative	
315	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Low B-cell count

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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
101	1	1	1	1	4	6	1	1	100	100	
114	1	1	1	1	1	1	1	1			
116	1-2	1-2	1	1	4-8	4-8	1-2	1	95	95	
117	1	1	1	1					90		
136	1	1	1	1					98		
145					8				100	100	
149									80		
162					8	8			100	100	
163	1	1	1	1	6	8	1	1	80	80	
186	0	0	0	0	6	8	0	0	99	99	
204	2	2	2	2	8	8	1	1	90	90	
206	1	1	1	1	8	8	1	1	100	90	
212									99	99	99
227					8	8			98	98	98
268	NT	NT	NT	NT	NT	NT	NT	NT	10	10	
284	1	1	1	1	2-4	8	1	1	99	80	
311	1	1	1	1	6	8	1	1	95	95	
315	1	1	1	1	4	6	4	4	90	60	

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Summary of Results																
Lab No.	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
145									Negative	Negative	Negative	Negative				
162									Negative	Negative	Negative	Negative				

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			Summary of Results								
			PBL/T-Cells				B-Cells				
Total tested			14	14	14	13	12	13	13	13	
Positive			2	2	1	1	10	11	0	0	
Negative			12	12	13	12	2	2	13	13	
NT/Equivocal			1	1	1	2	2	1	1	1	
% Positive			14.3%	14.3%	7.1%	7.7%	83.3%	84.6%	0.0%	0.0%	
% Negative			85.7%	85.7%	92.9%	92.3%	16.7%	15.4%	100.0%	100.0%	
Consensus			Negative	Negative	Negative	Negative	Positive	Positive	Negative	Negative	
HLA Antibody Specificity (Defined By CDC)			(B21 B62)+	DR1	A2	Cw4	(B21 B62)+	DR1	A2	Cw4	
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	
101	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
114	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
116	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Negative	
149	YES	NO	Negative	Negative	Negative	Equivocal					
162	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Negative	
163	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Negative	
186	YES	YES	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Negative	
204	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Negative	
206	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Negative	
212	YES	YES	Positive	Positive	Negative	Negative	Positive	Positive	Negative	Negative	
227	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Negative	
268	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Low number of cells and poor viability
284	YES	YES	Negative	Negative	Negative	Negative	Equivocal	Positive	Negative	Negative	Difficulty interpreting serum 1 with B-cells - poor viability
311	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Negative	
315	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Low B-cell count

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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
101	1	1	1	1	4	2	1	1	100	100	
114	1	1	1	1	2	2	1	1			
116	1	1	1	1	1-6	2-8	1	1	95	95	
149									80		
162					8	8			100	100	
163	1	1	1	1	8	8	1	1	80	80	
186	0	0	0	0	8	8	0	0	99	99	
204	2	2	2	2	8	8	1	1	90	90	
206	1	1	1	1	8	8	1	1	100	90	
212									99	99	99
227					8	8			98	98	98
268	NT	NT	NT	NT	NT	NT	NT	NT	10	10	
284	1	1	1	1	2-4	8	1	1	99	80	
311	1	1	1	1	6	8	1	1	95	95	
315	1	1	1	1	4	8	4	4	90	60	

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Summary of Results																	
Lab No.	PBL				PBL With DTT				T-Cells				T-Cells With DTT				
	With DTT				Serum 1 reaction strength	Serum 2 reaction strength	Serum 3 reaction strength	Serum 4 reaction strength	With DTT				Serum 1 reaction strength	Serum 2 reaction strength	Serum 3 reaction strength	Serum 4 reaction strength	
	Serum 1	Serum 2	Serum 3	Serum 4					Serum 1	Serum 2	Serum 3	Serum 4					
162										Negative	Negative	Negative	Negative				