

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

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

DISPATCHED ON 20TH SEPTEMBER 2016

HLA PHENOTYPE OF BLOOD DONOR: HLA-A2, A26; B7, B45; Cw6, Cw7; DR7, DR15; DQ2, DQ6

		Summary of Results									
		PBL/T-Cells				B-Cells					
Total tested		15	16	17	17	11	12	14	14		
Positive		0	0	0	0	4	1	1	1		
Negative		15	16	17	17	7	11	13	13		
NT/Equivocal		3	2	1	1	4	3	1	1		
% Positive		0.0%	0.0%	0.0%	0.0%	36.4%	8.3%	7.1%	7.1%		
% Negative		100.0%	100.0%	100.0%	100.0%	63.6%	91.7%	92.9%	92.9%		
Consensus		Negative	Negative	Negative	Negative	Not Assessed	Negative	Negative	Negative		
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
101	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
114	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
116	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
117	YES	NO	Equivocal	Negative	Negative	Negative					
136	YES	NO	Negative	Negative	Negative	Negative					
145	YES	YES	Negative	Negative	Negative	Negative	Equivocal	Negative	Negative	Negative	
149	YES	NO	Negative	Negative	Negative	Negative					
162	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
163	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
186	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Positive	Negative	
204	YES	YES	Negative	Negative	Negative	Negative	Positive	Equivocal	Negative	Negative	
206	YES	YES	Negative	Negative	Negative	Negative	Equivocal	Negative	Negative	Negative	Low B-cell count
212	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
227	YES	YES	NT	NT	Negative	Negative	NT	NT	Negative	Negative	Technical failure
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	Negative	Negative	Negative	Positive	Low reactivity of serum 4 on B cells (IgM)
311	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
315	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	

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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	1	1	1	1	100	100	
114	1	1	1	1	1	1	1	1			
116	1	1	1	1	1-4	1-2	1-2	1-2	95	80	
117		1	1	1					90		
136	1	1	1	1					98		
145									100	100	
149									80		
162					6				100	90	
163	1	1	1	1	1	1	1	1	90	90	
186	0	0	0	0	8	2	4		99	99	
204	1	1	1	1	4	4	2	2	90	90	
206	1	1	1	1		1	1	1	100	90	
212									99	99	99
227	NT	NT			NT	NT			85	85	85
268	0	0	0	0	0	0	0	0	10	10	
284	1	1	1	1	1	1	1	4	99	90	
311	1	1	1	1	1	1	1	1	85	80	
315	1	1	1	1	1	1	1	1	>90	80	

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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			13	13	14	14	10	11	13	13	
Positive			0	0	0	0	3	1	1	0	
Negative			13	13	14	14	7	10	12	13	
NT/Equivocal			2	2	1	1	4	3	1	1	
% Positive			0.0%	0.0%	0.0%	0.0%	30.0%	9.1%	7.7%	0.0%	
% Negative			100.0%	100.0%	100.0%	100.0%	70.0%	90.9%	92.3%	100.0%	
Consensus			Negative	Negative	Negative	Negative	Not Assessed	Negative	Negative	Negative	
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
101	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
114	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
116	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
149	YES	NO	Negative	Negative	Negative	Negative					
162	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
163	YES	YES	Negative	Negative	Negative	Negative	Equivocal	Negative	Negative	Negative	
186	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Positive	Negative	
204	YES	YES	Negative	Negative	Negative	Negative	Positive	Equivocal	Negative	Negative	
206	YES	YES	Negative	Negative	Negative	Negative	Equivocal	Negative	Negative	Negative	Low B-cell count
212	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
227	YES	YES	NT	NT	Negative	Negative	NT	NT	Negative	Negative	Technical failure
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	Negative	Negative	Negative	Negative	Low reactivity of serum 4 on B cells (IgM)
311	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
315	YES	YES	Negative	Negative	Negative	Negative	Negative	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
101	1	1	1	1	1	1	1	1	100	100	
114	1	1	1	1	1	1	1	1			
116	1	1	1	1	1-2	1	1-2	1	95	80	
149									80		
162					1				100	90	
163	1	1	1	1	6	1	1	1	90	90	
186	0	0	0	0	8	2	2	0	99	99	
204	1	1	1	1	4	2	2	2	90	90	
206	1	1	1	1		1	1	1	100	90	
212									99	99	99
227	NT	NT			NT	NT			85	85	85
268	0	0	0	0	0	0	0	0	10	10	
284	1	1	1	1	1	1	1	1	99	90	
311	1	1	1	1	1	1	1	1	85	80	
315	1	1	1	1	1	1	1	1	>90	80	

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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				