

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A10/2015 OS WB

DESPATCHED ON 22ND SEPTEMBER 2015

HLA PHENOTYPE OF BLOOD DONOR: HLA-A2, A11; B44, B27; Cw2, Cw5; DR4, DR8; DQ4, DQ7

			Summary of Results								
			PBL/T-Cells				B-Cells				
Total tested			16	16	18	17	13	13	14	14	
Positive			7	3	0	14	13	8	0	13	
Negative			9	13	18	3	0	5	14	1	
NT/Equivocal			6	6	4	5	5	5	4	4	
% Positive			43.8%	18.8%	0.0%	82.4%	100.0%	61.5%	0.0%	92.9%	
% Negative			56.3%	81.3%	100.0%	17.6%	0.0%	38.5%	100.0%	7.1%	
Consensus			Not Assessed	Negative	Negative	Positive	Positive	Not Assessed	Negative	Positive	
HLA Antibody Specificity (Defined By CDC)			B14+	B44, Cw5, DR4	DR3	B8,B44,DR5,DR8,DR13	B14+	B44, Cw5, DR4	DR3	B8,B44,DR5,DR8,DR13	
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	Negative	Negative	Positive	
114	YES	YES	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Positive	
117	YES	NO	Positive	Equivocal	Negative	Positive					
136	YES	NO	Equivocal	Negative	Negative	Positive					
145	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Negative	Positive	
149	YES	NO	Negative	Negative	Negative	Positive					
162	YES	YES	Positive	Negative	Negative	Positive	Positive	Positive	Negative	Positive	
163	YES	YES	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Positive	
169	YES	YES	Positive	Positive	Negative	Positive	NT	NT	NT	NT	Low B-cell count
186	YES	YES	Negative	Negative	Negative	Positive	Positive	Positive	Negative	Positive	
204	YES	YES	Negative	Negative	Negative	Equivocal	Positive	Equivocal	Negative	Positive	
206	YES	YES	Negative	Negative	Negative	Positive	Positive	Positive	Negative	Positive	
210	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Delivery Delay - Low viability
212	YES	YES	Negative	Negative	Negative	Negative	Weak Positive	Negative	Negative	Negative	
227	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Technical failure
235	YES	NO	NT	NT	NT	NT					No results returned
243	YES	YES	Negative	Negative	Negative	Negative	NT	Negative	Negative	Positive	Serum 1 - Low B-cell count
268	YES	YES	Positive	Negative	Negative	Positive	Positive	Positive	Negative	Positive	
284	YES	YES	Positive	Negative	Negative	Positive	Positive	Positive	Negative	Positive	
301	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	No results returned
311	YES	YES	Equivocal	Equivocal	Negative	Positive	Positive	Positive	Negative	Positive	
315	YES	YES	Positive	Negative	Negative	Positive	Positive	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
101	1	1	1	4	6	1	1	8		100	100
114	1	6	1	8	6	6	1	8			
117	6		1	8					85		
136	4	1	1	6						95	
145				4-8	6-8			8		100	100
149				6					85		
162	1:4			1:1	1:4	1:4		1:4		100	100
163	6	6	1	8	6	6	1	8		90	80
169	4	4	1	8	NT	NT	NT	NT		99	
186	0	0	0	2	6	2	0	8		95	95
204	1	1	1	4	6	4	1	8		90	75
206	1	1	1	4	6	4	1	8		100	100
210	NT	NT	NT	NT	NT	NT	NT	NT		10	0
212									98	96	96
227	NT	NT	NT	NT	NT	NT	NT	NT		90	90
235											
243	1	1	1	1		1	1	8	90	90	90
268	2	1	1	4	6	4	1	8		95	95
284	8	2	1	6	8	6	1	8		95	95
301											
311	2	2	1	6	6	4	1	8		80	80
315	4	1	1	4/6	6	1	1	8		90	90

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			Summary of Results								
			PBL/T-Cells				B-Cells				
Total tested	13	13	14	14	12	12	12	12			
Positive	5	3	0	11	8	9	0	11			
Negative	8	10	14	3	4	3	12	1			
NT/Equivocal	5	5	4	4	4	4	4	4			
% Positive	38.5%	23.1%	0.0%	78.6%	66.7%	75.0%	0.0%	91.7%			
% Negative	61.5%	76.9%	100.0%	21.4%	33.3%	25.0%	100.0%	8.3%			
Consensus	Not Assessed	Negative	Negative	Positive	Not Assessed	Positive	Negative	Positive			
HLA Antibody Specificity (Defined By CDC)	B14+	B44, Cw5, DR4	DR3	B8,B44,DR5,DR8,DR13	B14+	B44, Cw5, DR4	DR3	B8,B44,DR5,DR8,DR13			
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	Negative	Negative	Negative	Positive	
114	YES	YES	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Positive	
149	YES	NO	Negative	Negative	Negative	Positive					
162	YES	YES	Negative	Negative	Negative	Positive	Positive	Positive	Negative	Positive	
163	YES	YES	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Positive	
169	YES	YES	Positive	Positive	Negative	Positive	Positive	NT	NT	NT	Low B-cell count
186	YES	YES	Negative	Negative	Negative	Positive	Positive	Positive	Negative	Positive	
204	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Positive	
206	YES	YES	Negative	Negative	Negative	Positive	Positive	Positive	Negative	Positive	
210	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Delivery Delay - Low viability
212	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
227	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Technical failure
235	YES	NO	NT	NT	NT	NT	NT	NT	NT	NT	No results returned
268	YES	YES	Positive	Negative	Negative	Positive	Negative	Positive	Negative	Positive	
284	YES	YES	Positive	Negative	Negative	Positive	Positive	Positive	Negative	Positive	
301	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	No results returned
311	YES	YES	Equivocal	Equivocal	Negative	Positive	Positive	Positive	Negative	Positive	
315	YES	YES	Positive	Negative	Negative	Weak Positive	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
101	4	1	1	4	4	1	1	8		100	100
114	1	6	1	4	4	4	1	8			
149				6					85		
162				1:1	1:4	1:4		1:4		100	100
163	6	6	1	8	6	6	1	8		90	80
169	2	6	1	6	NT	NT	NT	NT		99	
186	0	0	0	2	2	2	0	8		95	95
204	2	1	1	2	6	6	1	8		90	75
206	1	1	1	4	6	4	1	8		100	100
210	NT	NT	NT	NT	NT	NT	NT	NT		10	0
212									98	96	96
227	NT	NT	NT	NT	NT	NT	NT	NT		90	90
235											
268	2	1	1	4	1	2	1	8		95	95
284	4	2	1	6	6	6	1	8		95	95
301											
311	2	2	1	6	6	4	1	8		80	80
315	4/6	1	1	4	1/2	1	1	8		90	90