

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A09/2015 OS WB

DISPATCHED ON 22ND SEPTEMBER 2015

HLA PHENOTYPE OF BLOOD DONOR: HLA-A2, A24; B49, B64; Cw7, Cw8; DR1, DR7; DQ2, DQ5

			Summary of Results								
			PBL/T-Cells				B-Cells				
Total tested	19	19	18	19	16	16	15	15			
Positive	0	0	1	18	0	0	0	15			
Negative	19	19	17	1	16	16	15	0			
NT/Equivocal	3	3	4	3	2	2	3	3			
% Positive	0.0%	0.0%	5.6%	94.7%	0.0%	0.0%	0.0%	100.0%			
% Negative	100.0%	100.0%	94.4%	5.3%	100.0%	100.0%	100.0%	0.0%			
Consensus	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Positive</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Positive</b>			
HLA Antibody Specificity (Defined By CDC)	B44, Cw5, DR4	DR3	B8,B44,DR5,DR8,DR13	B14+	B44, Cw5, DR4	DR3	B8,B44,DR5,DR8,DR13	B14+			
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	Positive	Negative	Negative	Negative	Positive	
114	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	
117	YES	NO	Negative	Negative	<b>Positive</b>	Positive					
136	YES	NO	Negative	Negative	Negative	Positive					
145	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	
149	YES	NO	Negative	Negative	Negative	Positive					
162	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	
163	YES	YES	Negative	Negative	<b>Equivocal</b>	Positive	Negative	Negative	<b>Equivocal</b>	Positive	
169	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	
186	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	
204	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	
206	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	
210	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	
212	YES	YES	Negative	Negative	Negative	<b>Negative</b>	Negative	Negative	Negative	NT	Delivery Delay - Low viability
227	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	
235	YES	NO	NT	NT	NT	NT					No results returned
243	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	
268	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	
284	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	
301	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	No results returned
311	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	
315	YES	YES	Negative	Negative	Negative	Positive	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
101	1	1	1	8	1	1	1	8		100	100
114	1	1	1	8	1	1	1	8			
117	1	1	4	8					85		
136	1	1	2	8						95	
145				8				8		100	100
149				6					85		
162				1:4				1:4		100	100
163	1	1	6	8	1	1	1	8		90	80
169	1	1	1	8	1	1	1	8		99	97
186	0	0	0	8	0	0	0	8		95	95
204	1	1	1	6	1	1	2	8		90	90
206	1	1	1	8	1	1	1	8		100	100
210	NT	NT	NT	NT	NT	NT	NT	NT		10	10
212								NT	98	96	96
227				8				8		90	90
235											
243	1	1	1	8	1	1	1	8		95	95
268											
284	1	1	1	8	1	1	1	8		100	98
301											
311	1	1	1	8	1	1	1	8		95	95
315	1	1	1	8	1	1	1	6		90	90

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HLA PHENOTYPE OF BLOOD DONOR: HLA-A2, A24; B49, B64; Cw7, Cw8; DR1, DR7; DQ2, DQ5

			Summary of Results										
			PBL/T-Cells				B-Cells						
Total tested	15	15	15	15	14	14	14	14	14	14			
Positive	0	0	0	14	0	0	0	13	0	13			
Negative	15	15	15	1	14	14	14	1	14	1			
NT/Equivocal	3	3	3	3	2	2	2	2	2	2			
% Positive	0.0%	0.0%	0.0%	93.3%	0.0%	0.0%	0.0%	92.9%	0.0%	92.9%			
% Negative	100.0%	100.0%	100.0%	6.7%	100.0%	100.0%	100.0%	7.1%	100.0%	7.1%			
Consensus	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Positive</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Positive</b>	<b>Negative</b>	<b>Positive</b>			
HLA Antibody Specificity (Defined By CDC)	B44, Cw5, DR4	DR3	B8,B44,DR5,DR8,DR13	B14+	B44, Cw5, DR4	DR3	B8,B44,DR5,DR8,DR13	B14+	B44, Cw5, DR4	DR3	B8,B44,DR5,DR8,DR13	B14+	
			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	Positive	Negative	Negative	Negative	Positive			
114	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive			
149	YES	NO	Negative	Negative	Negative	Positive							
162	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive			
163	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive			
169	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive			
186	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive			
204	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive			
206	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive			
210	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Delivery Delay - Low viability		
212	YES	YES	Negative	Negative	Negative	<b>Negative</b>	Negative	Negative	Negative	<b>Negative</b>			
227	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive			
235	YES	NO	NT	NT	NT	NT					No results returned		
268	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive			
284	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive			
301	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	No results returned		
311	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive			
315	YES	YES	Negative	Negative	Negative	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	1	1	1	8	1	1	1	8		100	100
114	1	1	1	8	1	1	1	8			
149				6					85		
162				1:4				1:4		100	100
163	1	1	1	8	1	1	1	8		90	80
169	1	1	1	8	1	1	1	8		99	97
186	0	0	0	8	0	0	0	8		95	95
204	1	1	1	8	1	1	1	8		90	90
206	1	1	1	8	1	1	1	8		100	100
210	NT	NT	NT	NT	NT	NT	NT	NT		10	10
212									98	96	96
227				8				8		90	90
235											
268	1	1	1	8	1	1	1	8		95	95
284	1	1	1	8	1	1	1	8		100	98
301											
311	1	1	1	8	1	1	1	8		95	95
315	1	1	1	8	1	1	1	8		90	90