

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A04/2016 OS WB

DISPATCHED ON 05TH APRIL 2016

HLA PHENOTYPE OF BLOOD DONOR: HLA-A1,A32; B8, B44; Cw5, Cw7; DR1, DR17; DQ2, DQ5

			Summary of Results								
			PBL/T-Cells				B-Cells				
Total tested			19	17	18	19	14	14	14	13	
Positive			1	7	11	1	0	7	8	5	
Negative			18	10	7	18	14	7	6	8	
NT/Equivocal			0	2	1	0	2	2	2	3	
% Positive			5.3%	41.2%	61.1%	5.3%	0.0%	50.0%	57.1%	38.5%	
% Negative			94.7%	58.8%	38.9%	94.7%	100.0%	50.0%	42.9%	61.5%	
<b>Consensus</b>			<b>Negative</b>	<b>Not Assessed</b>	<b>Not Assessed</b>	<b>Negative</b>	<b>Negative</b>	<b>Not Assessed</b>	<b>Not Assessed</b>	<b>Not Assessed</b>	
HLA Antibody Specificity (Defined By CDC)			B5	A1	A1,A11,Cw4+	A10+	B5	A1	A1,A11,Cw4+	A10+	
			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	<b>Positive</b>	Positive	Positive	Negative	Negative	Negative	Positive	Negative	
114	YES	YES	Negative	Positive	Positive	Negative	Negative	Positive	Positive	Positive	
116	YES	YES	Negative	Positive	Positive	<b>Positive</b>	NT	NT	NT	NT	Viability of the B cells does not meet the criteria for the test
117	YES	NO	Negative	<b>Equivocal</b>	<b>Equivocal</b>	Negative					
133	YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Negative	
136	YES	NO	Negative	Negative	Positive	Negative					
145	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	The evaluation of XM with B cells was difficult due to high percentage of dead cells (background)
149	YES	NO	Negative	<b>Equivocal</b>	Negative	Negative					Serum 2 is Equivocal, probably because of the low cell viability (70%)
162	YES	YES	Negative	Positive	Positive	Negative	Negative	Positive	Positive	Positive	
163	YES	YES	Negative	Positive	Positive	Negative	Negative	Positive	Positive	Negative	
186	YES	YES	Negative	Positive	Positive	Negative	Negative	Positive	Positive	Positive	
204	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Positive	Positive	
206	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Positive	
212	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
227	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Positive	NT	Serum 4 has a technical failure on B cell
268	YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Negative	
284	YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Positive	Negative	
311	YES	YES	Negative	Positive	Positive	Negative	NT	NT	NT	NT	Results are uninterpretable for B lymphocytes due to excessive mortality
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	6	4	6	1	1	1	4	1	100	100	
114	1	4	6	1	2	4	4	4			
116	1	1-4	6	1-4	NT	NT	NT	NT	75-80	95	50
117	1			1							
133	0	0	6	0	0	0	0	0		80	80
136	1	1	8	1						98	
145										100	80
149									70		
162		8	4/6			8	8	6		100	100
163	1	6	8	1	1	8	6	1		90	80
186	0	4	6	0	0	2	6	4		99	99
204	1	1	1	1	2	6	6	6		90	80
206	1	1	1	1	1	4	1	4		90	80
212									99	97	98
227						6	8		90		
268	1	1	2	1	1	1	1	1		70	70
284	1	1	4	1	1	1	4	1		98	85
311	1	6	6	1	NT	NT	NT	NT		85	0
315	1	1	1	1	1	1	1	2		80	80

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HLA PHENOTYPE OF BLOOD DONOR: HLA-A1,A32; B8, B44; Cw5, Cw7; DR1, DR17; DQ2, DQ5

			Summary of Results								
			PBL/T-Cells				B-Cells				
Total tested			16	15	16	16	13	13	13	11	
Positive			1	7	9	0	0	7	9	3	
Negative			15	8	7	16	13	6	4	8	
NT/Equivocal			0	1	0	0	2	2	2	4	
% Positive			6.3%	46.7%	56.3%	0.0%	0.0%	53.8%	69.2%	27.3%	
% Negative			93.8%	53.3%	43.8%	100.0%	100.0%	46.2%	30.8%	72.7%	
<b>Consensus</b>			<b>Negative</b>	<b>Not Assessed</b>	<b>Not Assessed</b>	<b>Negative</b>	<b>Negative</b>	<b>Not Assessed</b>	<b>Not Assessed</b>	<b>Not Assessed</b>	
HLA Antibody Specificity (Defined By CDC)			B5	A1	A1,A11,Cw4+	A10+	B5	A1	A1,A11,Cw4+	A10+	
			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	<b>Positive</b>	Positive	Positive	Negative	Negative	Negative	Positive	Negative	
114	YES	YES	Negative	Positive	Positive	Negative	Negative	Positive	Positive	Negative	
116	YES	YES	Negative	Positive	Positive	Negative	NT	NT	NT	NT	Viability of the B cells does not meet the criteria for the test
133	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
149	YES	NO	Negative	<b>Equivocal</b>	Negative	Negative					
162	YES	YES	Negative	Positive	Positive	Negative	Negative	Positive	Positive	Positive	
163	YES	YES	Negative	Positive	Positive	Negative	Negative	Positive	Positive	Negative	
186	YES	YES	Negative	Positive	Positive	Negative	Negative	Positive	Positive	Positive	
204	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Positive	<b>Equivocal</b>	
206	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Positive	
212	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
227	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Positive	NT	Serum 4 has a technical failure on B cell
268	YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Positive	Negative	
284	YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Positive	Negative	
311	YES	YES	Negative	Positive	Positive	Negative	NT	NT	NT	NT	Results are uninterpretable for B lymphocytes due to excessive mortality
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	6	4	6	1	1	1	4	1	100	100	
114	1	4	4	1	2	4	4	2			
116	1	4	4-6	1	NT	NT	NT	NT	95	50	
133	0	0	0	0	0	0	0	0	80	80	
149									70		
162		4	4/6			4	6/8	6			
163	1	6	8	1	1	8	6	1	90	80	
186	0	2	6	0	0	2	6	2	99	99	
204	1	1	1	1	2	6	6	4	90	80	
206	1	1	1	1	1	4	1	4	90	80	
212									99	97	98
227						6	8		90		
268	1	1	4	1	1	1	4	1	70	70	
284	1	1	4	1	1	1	4	1	98	85	
311	1	6	6	1	NT	NT	NT	NT	85	0	
315	1	1	1	1	1	1	1	1	80	80	