

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A03/2018 WB

DESPATCHED ON 05 JUNE 2018

HLA PHENOTYPE OF BLOOD DONOR: HLA-A1, A11; B8, B5; Cw7, Cw9; DR15, DR-; DQ6, DQ-

				Summary of Results												
				PBL				T-Cells				B-Cells				
				7	8	8	8	29	29	29	29	27	26	28	28	
				0	2	0	0	3	2	0	0	8	17	1	0	
				7	6	8	8	26	27	29	29	19	9	27	28	
				1	0	0	0	3	3	3	3	6	7	5	5	
				0.0%	25.0%	0.0%	0.0%	10.3%	6.9%	0.0%	0.0%	29.6%	65.4%	3.6%	0.0%	
				100.0%	75.0%	100.0%	100.0%	89.7%	93.1%	100.0%	100.0%	70.4%	34.6%	96.4%	100.0%	
				Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Not Assessed	Not Assessed	Negative	Negative	
				B7, B27, Cw+	B7	B12, B21	DR52	B7, B27, Cw+	B7	B12, B21	DR52	B7, B27, Cw+	B7	B12, B21	DR52	
				Without DTT				Without DTT				Without DTT				
				Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4	
Lab No.	PBL Assessment	T Cell Assessment	B Cell Assessment	Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4	Comments
9	YES	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	NT	Negative	Negative	Negative	Serum T B cell NT due to poor cell viability.
11	YES	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
12	YES	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
20	YES		YES	Negative	Negative	Negative	Negative					Positive	Positive	Negative	Negative	
23		YES	YES					Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
24		YES	YES					Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
25		YES	YES					Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
28		YES	YES					Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
34		YES	YES					Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
38	YES	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Negative	Negative	
																Unable to report results for 2A03 +04 due to number of issues. Cell number was adequate but poor quality. The IgG and IgM positive controls gave weak reactions with scores of 2/4. positive controls did not meet acceptance criteria and if this was a clinical crossmatch we would repeat.
39		YES	YES					NT	NT	NT	NT	NT	NT	NT	NT	
41		YES	YES					Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
42	YES		YES	Negative	Positive	Negative	Negative					Negative	Positive	Negative	Negative	
45		YES	YES					Positive	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
51		YES	YES					Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
54		YES	YES					Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
58		YES	YES					Positive	Negative	Negative	Negative	Positive	Positive	Negative	Negative	
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	Positive	Negative	Negative	
117	YES			NT	Negative	Negative	Negative									Serum 1 was tested but had replicates.
136		YES						Negative	Negative	Negative	Negative		NT	Negative	Negative	After B-cell separation, we did not obtain cells in number and quality acceptable
145		YES	YES					Negative	Negative	Negative	Negative	Negative	NT	Negative	Negative	The viability of B cells is low.
149	YES			Negative	Negative	Negative	Negative									
162		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative control was not valid for Serum 2 on B cells without DTT. No other choice than NT.
181		YES	YES					Negative	Negative	Negative	Negative	Negative	NT	Negative	Negative	
186		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
204		YES	YES					Negative	Negative	Negative	Negative	Positive	Positive	Positive	Negative	
206		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
223		YES	YES					Negative	Negative	Negative	Negative	NT	NT	NT	NT	No results reported for B cells without DTT due to low viability. Cross Match was NT because of low number of T and B cells
227		YES	YES					NT	NT	NT	NT	NT	NT	NT	NT	XM on B cells not interpretable because cell viability = 15%
268		YES	YES					Negative	Negative	Negative	Negative	NT	NT	NT	NT	Cross match B postif Ig M with 2A03 Serum 2
284		YES	YES					Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
311		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
315		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
351		YES	YES					NT	NT	NT	NT	NT	NT	NT	NT	No results returned

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Lab No.	PBL without DTT				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	Serum 1 reaction strength	Serum 2 reaction strength	Serum 3 reaction strength	Serum 4 reaction strength	PBL	T-cells	B-cells
9	0	0	0	0	2	0	0	0		0	0	0	90	90	90
11	1	1	1	1	1	1	1	1	1	1	1	1	90	90	70
12													90	80	75
15														90	80
20	1	1	1	1					6	9	1	1	90		80
23					1	1	1	1	1	6	1	1		90	90
24					20	10	10	10	20	40	20	20		95	95
25					1	1	1	1	2	4	1	1		99	99
28					1	1	1	1	1	4	1	1		95	80
34					1	1	1	1	4	8	1	1		98	85
38	1	2	1	1	1	2	1	1	4	6	1	1	95	99	95
41										20				95	90
42	<10	20	10	10					<10	40-60	10	10	95		95
51	NT	NT	NT	NT	0	0	0	0	0	4	0	0	NT	90	95
54	NT	NT	NT	NT	<10	<10	<10	<10	50-60	>90	<10	<10	NT	99	95
58					15	5-10	<5	<5	15	95	5	5		95	95
101					1	1	1	1	1	1	1	1			
114					1	2	1	1	1	2	1	2		99	99
116					1	1	1	1	2-4	2-6	1-2	1		99	95
117	NT	1	1	1									90		
136					1	1	1	1					98		
149													82		
162														100	90
181					1	1	1	1	2		1	1		100	100
186	NT	NT	NT	NT	0	0	0	0	0	0	0	0		99	99
204					2	1	2	1	8	8	4	1		95	95
206	NT	NT	NT	NT	0	0	0	0	0	0	0	0		95	80
223					1	1	1	1						90	60
268					1	1	1	1						80	15
284					1	1	1	1	1	6	1	1		99	90
311					1	1	1	1	1	1	1	1	90		
315					1	1	1	1	1	1	1	1		80	80

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PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITH DTT OF SAMPLE 2A03/2018 WB

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HLA PHENOTYPE OF BLOOD DONOR: HLA-A1, A11; B8, B55; Cw7, Cw9; DR15, DR-; DQ6, DQ-

				Summary of Results												
				PBL				T-Cells				B-Cells				
Total tested	7	7	7	7	25	25	24	25	26	27	27	27				
Positive	0	0	0	0	1	0	0	0	1	3	0	0				
Negative	7	7	7	7	24	25	24	25	25	24	27	27				
NT	0	0	0	0	3	3	4	3	4	3	3	3				
% Positive	0.0%	0.0%	0.0%	0.0%	4.0%	0.0%	0.0%	0.0%	3.8%	11.1%	0.0%	0.0%				
% Negative	100.0%	100.0%	100.0%	100.0%	96.0%	100.0%	100.0%	100.0%	96.2%	88.9%	100.0%	100.0%				
Consensus	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative				
HLA Antibody Specificity (Defined By CDC)	B7, B27, Cw+	B7	B12, B21	DR52	B7, B27, Cw+	B7	B12, B21	DR52	B7, B27, Cw+	B7	B12, B21	DR52				
Lab No.	PBL Assessment	T Cell Assessment	B Cell Assessment	With DTT				With DTT				With DTT				Comments
				Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4	
9	YES	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	NT	Negative	Negative	Negative	Serum 1 B cell NT due to poor cell viability.
11	YES	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Poor T cell viability with DTT, serum 3 not reported.
12	YES	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
15		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
20	YES		YES	Negative	Negative	Negative	Negative					Negative	Negative	Negative	Negative	
24		YES	YES					Negative	Negative	NT	Negative	Negative	Negative	Negative	Negative	
25		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
28		YES	YES					NT	NT	NT	NT	Negative	Negative	Negative	Negative	
34		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
38	YES	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
39		YES	YES					NT	NT	NT	NT	NT	NT	NT	NT	
41		YES	YES					Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Unable to report results for 2A03 +04 due to number of issues. Cell number was adequate but poor quality. The IgG and IgM positive controls gave weak reactions with scores of 2/4. positive controls did not meet acceptance criteria and if this was a clinical crossmatch we would repeat.
42	YES	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
45		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
51		YES	YES					Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
54		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
58		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
101		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
114		YES	YES					Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
116		YES	YES					Negative	Negative	Negative	Negative	Positive	Positive	Negative	Negative	
149	YES		YES	Negative	Negative	Negative	Negative									
162		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Cross Match was NT because of low number of T and B cells
181		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
186		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
204		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
206		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
227		YES	YES					NT	NT	NT	NT	NT	NT	NT	NT	
268		YES	YES					Negative	Negative	Negative	Negative	NT	NT	NT	NT	
284		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
311		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
315		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
351		YES	YES													No results returned

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	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	Serum 1 reaction strength	Serum 2 reaction strength	Serum 3 reaction strength	Serum 4 reaction strength	PBL	T-cells	B-cells
9	0	0	0	0	2	0	0	0		0	0	0	90	90	90
11	1	1	1	1	1	1	1	1	1	1	1	1	90	90	70
12													90	80	75
15					0	0	0	0	0	0	0	0		90	80
20	1	1	1	1					1	1	1	1	90		80
23														90	90
24					20	20		20	20	20	20	20		95	95
25					1	1	1	1	1	1	1	1		99	99
28														95	80
34														98	85
38	1	1	1	1	1	1	1	1	1	1	1	1	95	99	95
41														95	90
42													95		95
51	NT	NT	NT	NT	0	0	0	0	0	0	0	0	NT	90	95
54													NT	99	95
58					<5	<5	<5	<5	5	5	5	5		95	95
101					1	1	1	1	1	1	1	1			
114					1	1	1	1	1	1	1	1		99	99
116					1	1	1	1	2-4	2-4	1-2	1		99	95
136													98		
149													82		
162														100	90
181					1	1	1	1	1	1	1	1		100	100
186														99	99
204					1	1	1	1	1	1	1	1		95	95
206	NT	NT	NT	NT	NT	NT	NT	NT	0	0	0	0		95	80
223														90	60
268					1	1	1	1						80	15
284					1	1	1	1	1	1	1	1		99	90
311					1	1	1	1	1	1	1	1	90		
315					1	1	1	1	1	1	1	1		80	80