

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A06/2016 UK

DISPATCHED ON 07TH JUNE 2016

HLA PHENOTYPE OF BLOOD DONOR: HLA-A2, A11; B7, B55; Cw7, Cw9; DR4, DR15; DQ6, DQ7

			Summary of Results								
			PBL/T-Cells				B-Cells				
Total tested			19	21	20	20	18	19	19	17	
Positive			2	0	17	19	18	0	19	16	
Negative			17	21	3	1	0	19	0	1	
NT/Equivocal			2	0	1	1	2	1	1	3	
% Positive			10.5%	0.0%	85.0%	95.0%	100.0%	0.0%	100.0%	94.1%	
% Negative			89.5%	100.0%	15.0%	5.0%	0.0%	100.0%	0.0%	5.9%	
Consensus			Negative	Negative	Positive	Positive	Positive	Negative	Positive	Positive	
HLA Antibody Specificity (Defined By CDC)			B12 DQ1	DR7	B40, B13, B47	A2, A28, A9	B12 DQ1	DR7	B40, B13, B47	A2, A28, A9	
			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
9	YES	YES	Positive	Negative	Negative	Equivocal	Positive	Negative	Positive	Equivocal	Poor viability of B-cells
11	YES	YES	Equivocal	Negative	Positive	Positive	Equivocal	Negative	Positive	Positive	
12	YES	YES	Equivocal	Negative	Positive	Positive	Positive	Negative	Positive	Positive	
14	YES	YES	Negative	Negative	Positive	Positive	Positive	Negative	Positive	Positive	
15	YES	YES	Negative	Negative	Positive	Positive	Positive	Negative	Positive	Positive	
20	YES	YES	Positive	Negative	Positive	Positive	Positive	Negative	Positive	Positive	
23	YES	YES	Negative	Negative	Positive	Positive	Negative	Negative	Positive	Positive	
24	YES	YES	Negative	Negative	Positive	Positive	Positive	Negative	Positive	Positive	
25	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	
28	YES	YES	Negative	Negative	Weak Positive	Positive	Positive	Negative	Positive	Positive	
34	YES	YES	Negative	Negative	Equivocal	Positive	Positive	Negative	Positive	Positive	
35	YES	NO	Negative	Negative	Positive	Positive					
38	YES	YES	Negative	Negative	Positive	Positive	Positive	Negative	Positive	Positive	
39	YES	YES	Negative	Negative	Positive	Positive	NT	NT	NT	NT	
41	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Positive	Equivocal	
42	YES	YES	Negative	Negative	Positive	Positive	Positive	Negative	Positive	Negative	
45	YES	YES	Negative	Negative	Positive	Positive	Positive	Negative	Positive	Positive	
51	YES	YES	Negative	Negative	Positive	Positive	Positive	Negative	Positive	Positive	
54	YES	YES	Negative	Negative	Positive	Positive	Positive	Negative	Positive	Positive	
58	YES	YES	Negative	Negative	Positive	Positive	Positive	Negative	Positive	Positive	
62	YES	YES	Negative	Negative	Positive	Positive	Positive	Negative	Positive	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
9	4	0	0		8	0	4			95	95
11			6	8			8	8	80	80	80
12	2	1	6	4	8	1	8	4	95	95	95
14	0	0	4	8	8	0	8	8		90	90
15			2	6	8		6	4		95	95
20	7	1	8	7	9	1	8	2	90		90
23	1	1	6	8	8	1	8	6		>90	>90
24	20%	20%	50%	90%	100%	20%	100%	60%		90	80
25	1	1	1	1	8	1	6	4	99	99	99
28	1	1	2	8	8	1	6	6		90	
34	1	1	2	4	8	1	8	6		97	95
35	1	1	6	6					90	60	
38	1	1	6	8	2	1	8	6	95	95	85
39			6	4	NT	NT	NT	NT		98	<90
41	3%	5%	3%	50%	100%	2%	95%	10%		100	99
42	<10%	<10%	60-80%	60-80%	80-100%	<10%	60-80%	<10%	90		90
45	1	1	8	8	8	1	8	6		95	80
51	0	0	6	2	8	0	8	6-8			
54	20%	5%	80%	80%	90%	5%	90%	80%		95	95
58	<5%	<5%	70%	95%	99%	5%	95%	40%	99	99	95
62	1	1	8	8	8	1	8	6		100	95

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Lab No.	Summary of Results															
	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
15									Negative	Negative	Positive	Positive			2	6
20	Positive	Negative	Positive	Positive	7	1	8	7								
38	Positive	Negative	Positive	Positive	4	1	4	2	Negative	Negative	Positive	Positive	1	1	6	8
54	NT	NT	NT	NT	NT	NT	NT	NT	Negative	Negative	Positive	Positive	20%	5%	80%	80%

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PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITH DTT OF SAMPLE 2A06/2016 UK

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HLA PHENOTYPE OF BLOOD DONOR: HLA-A2, A11; B7, B55; Cw7, Cw9; DR4, DR15; DQ6, DQ7

			Summary of Results								
			PBL/T-Cells				B-Cells				
Total tested			16	18	15	17	15	16	16	13	
Positive			2	0	8	14	15	0	14	8	
Negative			14	18	7	3	0	16	2	5	
NT/Equivocal			2	0	3	1	2	1	1	4	
% Positive			12.5%	0.0%	53.3%	82.4%	100.0%	0.0%	87.5%	61.5%	
% Negative			87.5%	100.0%	46.7%	17.6%	0.0%	100.0%	12.5%	38.5%	
Consensus			Negative	Negative	Not Assessed	Positive	Positive	Negative	Positive	Not Assessed	
HLA Antibody Specificity (Defined By CDC)			B12 DQ1	DR7	B40, B13, B47	A2, A28, A9	B12 DQ1	DR7	B40, B13, B47	A2, A28, A9	
			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
9	YES	YES	Positive	Negative	Negative	Equivocal	Positive	Negative	Positive	Equivocal	Poor viability of B-cells
11	YES	YES	Equivocal	Negative	Positive	Positive	Equivocal	Negative	Positive	Positive	
12	YES	YES	Equivocal	Negative	Equivocal	Negative	Positive	Negative	Positive	Equivocal	
14	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Positive	Negative	
15	YES	YES	Negative	Negative	Positive	Positive	Positive	Negative	Positive	Positive	
20	YES	YES	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
24	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Positive	Positive	
25	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
28	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Weak Positive	Negative	
34	YES	YES	Negative	Negative	Equivocal	Positive	Positive	Negative	Positive	Positive	
35	YES	NO	Negative	Negative	Positive	Positive					
38	YES	YES	Negative	Negative	Positive	Positive	Positive	Negative	Positive	Positive	
39	YES	YES	Negative	Negative	Positive	Positive	NT	NT	NT	NT	
41	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Positive	Equivocal	
42	YES	YES	Negative	Negative	Positive	Positive	Positive	Negative	Positive	Negative	
45	YES	YES	Negative	Negative	Positive	Positive	Positive	Negative	Positive	Positive	
51	YES	YES	Negative	Negative	Positive	Positive	Positive	Negative	Positive	Positive	
58	YES	YES	Negative	Negative	Equivocal	Positive	Positive	Negative	Positive	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
9	4	0	0		8	0	4			95	95
11			8	8			6	6	80	80	80
12	2	1	2	1	8	1	4	2	95	95	95
14	0	0	0	2	8	0	6	0		90	90
15			1	4	8		2	2		95	95
20	4	1	1	1	9	1	1	1	90		90
24	20%	20%	20%	80%	100%	30%	80%	70%		90	80
25	1	1	1	1	8	1	1	1	99	99	99
28	1	1	1	6-8	8	1	2	1		90	
34	1	1	2	4	8	1	6	4		97	95
35	1	1	6	6					90	60	
38	1	1	2	4	8	1	4	2	95	95	85
39			4	2	NT	NT	NT	NT		98	<90
41	5%	7%	7%	75%	100%	6%	50%	15%		100	99
42	<10%	<10%	20-40%	20-40%	80-100%	<10%	20-40%	<10%	90		90
45	1	1	8	8	8	1	6	4		95	80
51	0	0	2-4	2-4	8	0	6	2-6			
58	<5%	<5%		95%	100%	5%	80%	40%	99	99	95

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	PBL				PBL With DTT				T-Cells				T-Cells With DTT			
	With DTT				Serum 1	Serum 2	Serum 3	Serum 4	With 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
15									Negative	Negative	Positive	Positive			1	4
20	Positive	Negative	Negative	Negative	4	1	1	1								
38	Positive	Negative	Positive	Positive	4	1	2	2	Negative	Negative	Positive	Positive	1	1	2	4
54	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT