

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A05/2016 UK

DISPATCHED ON 07TH JUNE 2016

HLA PHENOTYPE OF BLOOD DONOR: HLA-A2, A24; B35, B57; Cw6, Cw12; DR1, DR7; DQ5, DQ9

			Summary of Results								
			PBL/T-Cells				B-Cells				
Total tested			21	21	21	21	19	19	19	19	
Positive			1	0	1	21	1	13	19	19	
Negative			20	21	20	0	18	6	0	0	
NT/Equivocal			0	0	0	0	1	1	1	1	
% Positive			4.8%	0.0%	4.8%	100.0%	5.3%	68.4%	100.0%	100.0%	
% Negative			95.2%	100.0%	95.2%	0.0%	94.7%	31.6%	0.0%	0.0%	
<b>Consensus</b>			<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Positive</b>	<b>Negative</b>	<b>Not Assessed</b>	<b>Positive</b>	<b>Positive</b>	
HLA Antibody Specificity (Defined By CDC)			B40, B13, B47	B12 DQ1	DR7	A2, A28, A9	B40, B13, B47	B12 DQ1	DR7	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	Negative	Negative	Negative	Positive	Negative	Negative	Positive	Positive	
11	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Positive	
12	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Positive	
14	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Positive	
15	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Positive	Positive	
20	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Positive	
23	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Positive	
24	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Positive	
25	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Positive	Positive	
28	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Positive	Positive	
34	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Positive	
35	YES	NO	Negative	Negative	Negative	Positive					
38	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Positive	
39	YES	YES	<b>Positive</b>	Negative	Negative	Positive	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	Poor viability of B-cells
41	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Positive	
42	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Positive	Positive	
45	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Positive	
51	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Positive	
54	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Positive	
58	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Positive	Positive	
62	YES	YES	Negative	Negative	<b>Positive</b>	Positive	<b>Positive</b>	Positive	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	0	0	0	8	0	0	4	8		95	95
11				8		6	4	8	80	40	80
12	1	1	1	8	1	6	8	8	95	95	90
14	0	0	0	8	0	6	8	8		90	90
15				8			2	8	100	100	100
20	1	1	1	6	1	6	6	6	90		90
23	1	1	1	8	1	8	8	8		>90	>80
24	20%	20%	20%	100%	20%	50%	50%	80%		90	90
25	1	1	1	6	1	1	2	4	99	99	99
28	1	1	1	8	1	1	4	8		95	70
34	1	1	1	8	1	4	8	8		99	97
35	1	1	1	8					90	60	
38	1	1	1	8	1	4	6	8	95	85	90
39	2			8	NT	NT	NT	NT		98	<90
41	10%	12%	12%	100%	5%	40%	70%	100%		90	95
42	<10%	<10%	<10%	80-100%	<10%	<10%	60-80%	80-100%	90		85
45	1	1	1	8	1	4	8	8		90	85
51	0	0	0	8	0	2-4	4-6	8			
54	<1%	<1%	<1%	>90%	<10%	30%	80%	>90%		>99	90
58	<5%	<5%	<5%	100%	5%	5%	80%	100%	99	99	90
62	1	1	4	8	4	4	8	8		98	90

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Summary of Results																
Lab No.	PBL				PBL Without DTT				T-Cells				T-Cells Without DTT			
	Without DTT				Serum 1 reaction strength	Serum 2 reaction strength	Serum 3 reaction strength	Serum 4 reaction strength	Without DTT				Serum 1 reaction strength	Serum 2 reaction strength	Serum 3 reaction strength	Serum 4 reaction strength
	Serum 1	Serum 2	Serum 3	Serum 4					Serum 1	Serum 2	Serum 3	Serum 4				
15									Negative	Negative	Negative	Positive				8
20	Negative	Negative	Negative	Positive	1	1	1	6								
38	Negative	Negative	Negative	Positive	1	1	1	8	Negative	Negative	Negative	Positive	1	1	1	8
54	NT	NT	NT	NT	NT	NT	NT	NT	Negative	Negative	Negative	Positive	<1%	<1%	<1%	>90%

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PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITH DTT OF SAMPLE 2A05/2016 UK

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HLA PHENOTYPE OF BLOOD DONOR: HLA-A2, A24; B35, B57; Cw6, Cw12; DR1, DR7; DQ5, DQ9

			Summary of Results									
			PBL/T-Cells				B-Cells					
Total tested			17	18	18	18	15	14	15	15		
Positive			1	0	1	17	0	11	4	14		
Negative			16	18	17	1	15	3	11	1		
NT/Equivocal			1	0	0	0	2	3	2	2		
% Positive			5.9%	0.0%	5.6%	94.4%	0.0%	78.6%	26.7%	93.3%		
% Negative			94.1%	100.0%	94.4%	5.6%	100.0%	21.4%	73.3%	6.7%		
<b>Consensus</b>			<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Positive</b>	<b>Negative</b>	<b>Positive</b>	<b>Not Assessed</b>	<b>Positive</b>		
HLA Antibody Specificity (Defined By CDC)			B40, B13, B47	B12 DQ1	DR7	A2, A28, A9	B40, B13, B47	B12 DQ1	DR7	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	Negative	Negative	Negative	Positive	Negative	<b>Negative</b>	Negative	Positive	Technically unsatisfactory	
11	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Negative	Positive		
12	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Negative	Positive		
14	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Negative	Positive		
15	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Positive		
20	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Negative	Positive		
24	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Negative	Positive		
25	YES	YES	Negative	Negative	Negative	<b>Negative</b>	Negative	<b>Negative</b>	Negative	<b>Negative</b>		
28	YES	YES	<b>Positive</b>	Negative	<b>Positive</b>	Positive	NT	NT	NT	NT		
34	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Positive		
35	YES	NO	Negative	Negative	Negative	Positive						
38	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Negative	Positive		
39	YES	YES	<b>Equivocal</b>	Negative	Negative	Positive	NT	NT	NT	NT		
41	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Negative	Positive		
42	YES	YES	Negative	Negative	Negative	Positive	Negative	<b>Negative</b>	Positive	Positive		
45	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Negative	Positive		
51	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Positive		
58	YES	YES	Negative	Negative	Negative	Positive	Negative	<b>Equivocal</b>	Negative	Positive		
												Poor viability of B-cells

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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	PBL	T-cells	B-cells
9	0	0	0	8	0	0	0	8		95	95
11				8		8		8	80	40	80
12	1	1	1	8	1	8	1	6	95	95	90
14	0	0	0	8	0	8	0	8		90	90
15				8		2	2	8	100	100	100
20	1	1	1	6	1	9	1	6	90		90
24	20%	20%	20%	100%	20%	50%	20%	70%		90	90
25	1	1	1	1	1	1	1	1	99	99	99
28	2	1	2	8	NT	NT	NT	NT		95	70
34	1	1	1	8	1	8	6	8		99	97
35	1	1	1	8					90	60	
38	1	1	1	4	1	8	1	8	95	85	90
39				8	NT	NT	NT	NT		98	<90
41	8%	8%	8%	100%	5%	50%	5%	100%		90	95
42	<10%	<10%	<10%	80-100%	<10%	<10%	60-80%	80-100%	90		85
45	1	1	1	8	1	6	1	8		90	85
51	0	0	0	8	0	1-2	2-4	8			
58	<5%	<5%	<5%	100%	5%		10%	100%	99	99	90

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Summary of Results																
Lab No.	PBL				PBL With DTT				T-Cells				T-Cells With DTT			
	With DTT				Serum 1 reaction strength	Serum 2 reaction strength	Serum 3 reaction strength	Serum 4 reaction strength	With DTT				Serum 1 reaction strength	Serum 2 reaction strength	Serum 3 reaction strength	Serum 4 reaction strength
	Serum 1	Serum 2	Serum 3	Serum 4					Serum 1	Serum 2	Serum 3	Serum 4				
15									Negative	Negative	Negative	Positive				8
20	Negative	Negative	Negative	Positive	1	1	1	6								
38	Negative	Negative	Negative	Positive	1	1	1	8	Negative	Negative	Negative	Positive	1	1	1	4
54	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT