

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A03/2016 UK

DISPATCHED ON 05TH APRIL 2016

HLA PHENOTYPE OF BLOOD DONOR: HLA-A2,A3; B62, B65; Cw8, Cw10; DR13, DR17; DQ2, DQ6

			Summary of Results								
			PBL/T-Cells				B-Cells				
Total tested			18	18	18	18	11	11	11	11	
Positive			2	3	1	1	1	1	1	5	
Negative			16	15	17	17	10	10	10	6	
NT/Equivocal			3	3	3	3	9	9	9	9	
% Positive			11.1%	16.7%	5.6%	5.6%	9.1%	9.1%	9.1%	45.5%	
% Negative			88.9%	83.3%	94.4%	94.4%	90.9%	90.9%	90.9%	54.5%	
Consensus			Negative	Negative	Negative	Negative	Negative	Negative	Negative	Not Assessed	
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
9	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
11	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Low cell viability
12	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
14	YES	YES	Negative	Positive	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	
23	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
24	YES	YES	Negative	Negative	Negative	Negative	Equivocal	Equivocal	Equivocal	Equivocal	High background
25	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Delivery error
28	YES	YES	Negative	Negative	Negative	Negative	NT	NT	NT	NT	Poor cell viability
34	YES	YES	Negative	Negative	Negative	Negative	NT	NT	NT	NT	Poor cell viability
35	YES	NO	Negative	Negative	Negative	Negative					
38	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Poor cell viability
39	YES	YES	Positive	Positive	Negative	Negative	NT	NT	NT	NT	Poor cell viability
41	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
42	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
45	YES	YES	Negative	Negative	Negative	Negative	NT	NT	NT	NT	Samples delayed in post. B and T cells poor viability but unable to assess the B cells
51	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
54	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
58	YES	YES	Negative	Negative	Negative	Negative	NT	NT	NT	NT	Poor cell viability
62	YES	YES	Positive	Positive	Positive	Positive	Positive	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	0	0	0	0	0	95	90	
11	NT	NT	NT	NT	NT	NT	NT	NT			
12	1	1	1	1	1	1	1	6	95	95	80
14	0	2	0	0	0	0	0	0		80	50
15										95	95
20	1	1	1	1	1	1	1	1	90	90	90
23	1	1	1	1	1	1	1	4		90	90
24	20%	20%	20%	20%	50%	50%	40%	50%		80	50
25	NT	NT	NT	NT	NT	NT	NT	NT			
28	1	1	1	1	NT	NT	NT	NT			
34	1	1	1	1	NT	NT	NT	NT		90	50
35	1	1	1	1					90	60	
38	NT	NT	NT	NT	NT	NT	NT	NT	80	60	20
39	2	2			NT	NT	NT	NT		98	<90
41	1	1	1	2	2	2	2	4		95	80
42	<10%	<10%	<10%	<10%	<10%	<10%	<10%	<10%	95		80
45	1	1	1	1	NT	NT	NT	NT		80	40
51	0	0	0	0	0	0	0	0		95	95
54	0%	0%	0%	0%	15%	15%	15%	65%		99	85
58	15%	15%	15%	15%	NT	NT	NT	NT		85	60
62	4	4	4	4	6	6	4	6		99	90

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			Summary of Results								
			PBL/T-Cells				B-Cells				
Total tested			14	14	14	14	8	8	8	8	
Positive			0	1	0	0	0	0	0	1	
Negative			14	13	14	14	8	8	8	7	
NT/Equivocal			4	4	4	4	9	9	9	9	
% Positive			0.0%	7.1%	0.0%	0.0%	0.0%	0.0%	0.0%	12.5%	
% Negative			100.0%	92.9%	100.0%	100.0%	100.0%	100.0%	100.0%	87.5%	
Consensus			Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
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
9	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
11	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Low cell viability
12	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
14	YES	YES	Negative	Positive	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	Negative	Negative	Equivocal	Equivocal	Equivocal	Equivocal	High background
25	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Delivery error
28	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Poor cell viability
34	YES	YES	Negative	Negative	Negative	Negative	NT	NT	NT	NT	Poor cell viability
35	YES	NO	Negative	Negative	Negative	Negative					
38	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Poor cell viability
39	YES	YES	Negative	Negative	Negative	Negative	NT	NT	NT	NT	Poor cell viability
41	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
42	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
45	YES	YES	Negative	Negative	Negative	Negative	NT	NT	NT	NT	Samples delayed in post. B and T cells poor viability but unable to assess the B cells
51	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
58	YES	YES	Negative	Negative	Negative	Negative	NT	NT	NT	NT	Poor cell viability

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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	0	0	0	0	0	0	0	0	95	90	
11	NT	NT	NT	NT	NT	NT	NT	NT			
12	1	1	1	1	1	1	1	4	95	95	80
14	0	2	0	0	0	0	0	0	80	50	
15									95	95	
20	1	1	1	1	1	1	1	1	90	90	90
24	20%	20%	20%	20%	50%	50%	50%	50%	80	50	
25	NT	NT	NT	NT	NT	NT	NT	NT			
28	NT	NT	NT	NT	NT	NT	NT	NT			
34	1	1	1	1	NT	NT	NT	NT		90	50
35	1	1	1	1					90	60	
38	NT	NT	NT	NT	NT	NT	NT	NT	80	60	20
39					NT	NT	NT	NT		98	<90
41	1	1	1	1	2	2	2	2		95	80
42	<10%	<10%	<10%	<10%	<10%	<10%	<10%	<10%	95		80
45	1	1	1	1	NT	NT	NT	NT		80	40
51	0	0	0	0	0	0	0	0		95	95
58	40%	40%	30%	30%	NT	NT	NT	NT		85	60