

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A07/2016 UK

DISPATCHED ON 26TH JULY 2016

HLA PHENOTYPE OF BLOOD DONOR: HLA-A1, A-; B8, B57; Cw6, Cw7 ; DR7, DR11; DQ7, DQ9

			Summary of Results								
			PBL/T-Cells				B-Cells				
Total tested			21	20	21	21	20	19	20	20	
Positive			0	9	0	3	19	14	7	19	
Negative			21	11	21	18	1	5	13	1	
NT/Equivocal			0	1	0	0	0	1	0	0	
% Positive			0.0%	45.0%	0.0%	14.3%	95.0%	73.7%	35.0%	95.0%	
% Negative			100.0%	55.0%	100.0%	85.7%	5.0%	26.3%	65.0%	5.0%	
Consensus			Negative	Not Assessed	Negative	Negative	Positive	Not Assessed	Not Assessed	Positive	
HLA Antibody Specificity (Defined By CDC)			DR7	Cw4 B49 B46 DR1	A1 (DR3)	B5 A3 DR8 DR52	DR7	Cw4 B49 B46 DR1	A1 (DR3)	B5 A3 DR8 DR52	
			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	Positive	Negative	Negative	Positive	Results reported on separated T and B cells NIH scores Serum 2 T cell above background without DTT, would want antibody information on this sample.
11	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Positive	
12	YES	YES	Negative	Positive	Negative	Negative	Positive	Positive	Negative	Positive	
14	YES	YES	Negative	Positive	Negative	Negative	Positive	Positive	Positive	Positive	
15	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive	
20	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
23	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive	
24	YES	YES	Negative	Positive	Negative	Negative	Positive	Positive	Positive	Positive	
25	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive	
28	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Positive	
34	YES	YES	Negative	Positive	Negative	Negative	Positive	Positive	Negative	Positive	
35	YES	NO	Negative	Negative	Negative	Positive					
38	YES	YES	Negative	Positive	Negative	Negative	Positive	Positive	Negative	Positive	
39	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Positive	Positive	
41	YES	YES	Negative	Negative	Negative	Positive	Positive	Positive	Positive	Positive	
42	YES	YES	Negative	Positive	Negative	Positive	Positive	Positive	Negative	Positive	
45	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Positive	
51	YES	YES	Negative	Equivocal	Negative	Negative	Positive	Positive	Positive	Positive	
54	YES	YES	Negative	Positive	Negative	Negative	Positive	Positive	Positive	Positive	
58	YES	YES	Negative	Positive	Negative	Negative	Positive	Positive	Positive	Positive	
62	YES	YES	Negative	Positive	Negative	Negative	Positive	Equivocal	Negative	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	4	0	0	6		95	90
11	-	-	-	-	8	4	-	6	90	85	85
12	-	4	-	-	8	8	-	8		95	90
14	0	4	0	0	8	8	2	6		95	95
15	-	-	-	-	8	-	-	8		95	90
20	0-10%	0-10%	0-10%	0-10%	0-10%	0-10%	0-10%	0-10%	95		95
23	1	1	1	1	8	1	1	8		95	85
24	10	20	10	10	100	50	50	100	95	95	90
25	1	1	1	1	4	1	1	6		99	99
28	1	1	1	1	8	2	1	8		90	90
34	1	4	1	1	6	8	1	6		99	95
35	1	1	1	4					90	70	
38	1	4	1	1	6	6	1	6	95	95	95
39	-	-	-	-	8	6	6	8		90	90
41	10%	10%	10%	30%	95%	30%	30%	95%		95	95
42	<10%	~10%	<10%	~10%	80-100%	20-40%	<10%	80-100%	95		95
45	1	1	1	1	6	6	1	8		90	90
51	0	-	0	0	8	4-6	2-6	8		95	90
54	5%	60%	5%	5%	85%	85%	40%	90%		95	90
58	10%	45%	10%	10%	95%	95%	80%	95%		90	85
62	1	4	1	1	6	4	1	6		95	70

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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
9	Positive	Negative	Negative	Positive	2	0	0	2	Negative	Negative	Negative	Negative	0	0	0	0
15	NT	NT	NT	NT	NT	NT	NT	NT	Negative	Negative	Negative	Negative	-	-	-	-
20	Negative	Negative	Negative	Negative	0-10%	0-10%	0-10%	0-10%	NT	NT	NT	NT	NT	NT	NT	NT
38	Negative	Positive	Negative	Negative	1	4	1	1	Negative	Positive	Negative	Negative	1	4	1	1
41	NT	NT	NT	NT	NT	NT	NT	NT	Negative	Negative	Negative	Positive	10%	10%	10%	30%
42	Negative	Positive	Negative	Positive	<10%	~10%	<10%	~10%	NT	NT	NT	NT	NT	NT	NT	NT
51	Negative	Equivocal	Negative	Negative	0	-	0	0	Negative	Equivocal	Negative	Negative	0	-	0	0
54	NT	NT	NT	NT	NT	NT	NT	NT	Negative	Positive	Negative	Negative	5%	60%	5%	5%

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HLA PHENOTYPE OF BLOOD DONOR: HLA-A1, A-; B8, B57; Cw6, Cw7 ; DR7, DR11; DQ7, DQ9

			Summary of Results								
			PBL/T-Cells				B-Cells				
Total tested			18	18	18	18	16	17	17	17	
Positive			0	0	0	2	12	1	2	15	
Negative			18	18	18	16	4	16	15	2	
NT/Equivocal			0	0	0	0	1	0	0	0	
% Positive			0.0%	0.0%	0.0%	11.1%	75.0%	5.9%	11.8%	88.2%	
% Negative			100.0%	100.0%	100.0%	88.9%	25.0%	94.1%	88.2%	11.8%	
Consensus			Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive	
HLA Antibody Specificity (Defined By CDC)			DR7	Cw4 B49 B46 DR1	A1 (DR3)	B5 A3 DR8 DR52	DR7	Cw4 B49 B46 DR1	A1 (DR3)	B5 A3 DR8 DR52	
			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	Positive	Negative	Negative	Positive	Results reported on separated T and B cells NIH scores
11	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive	
12	YES	YES	Negative	Negative	Negative	Negative	Equivocal	Negative	Negative	Positive	
14	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive	
15	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive	
20	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
24	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive	
25	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
28	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
34	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive	
35	YES	NO	Negative	Negative	Negative	Negative					
38	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive	
39	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Positive	Positive	
41	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Negative	Positive	
42	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Negative	Positive	
45	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
51	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
58	YES	YES	Negative	Negative	Negative	Negative	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	0	0	0	0	4	0	0	6		95	90
11	-	-	-	-	8%	-	-	6	90	85	85
12	-	-	-	-	-	-	-	6		95	90
14	0	0	0	0	2	0	0	6		95	95
15	-	-	-	-	8	-	-	8		95	90
20	0-10%	0-10%	0-10%	0-10%	0-10%	0-10%	0-10%	0-10%	95		95
24	10	10	10	10	100	20	20	90	95	95	90
25	1	1	1	1	1	1	1	4		99	99
28	1	1	1	1	1	1	1	1		90	90
34	1	1	1	1	4	1	1	4		99	95
35	1	1	1	1					90	70	
38	1	1	1	1	6	1	1	6	95	95	95
39	-	-	-	-	8	6	6	8		90	90
41	10%	10%	10%	20%	95%	10%	10%	95%		95	95
42	<10%	<10%	<10%	~10%	60-80%	<10%	<10%	80-100%	95		95
45	1	1	1	1	1	1	1	6		90	90
51	0	0	0	0	6	0	0	8		95	90
58	10%	10%	10%	10%	100%	10%	60%	95%		90	85

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Lab No.	Summary of Results															
	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
9	Positive	Negative	Negative	Positive	2	0	0	2	Negative	Negative	Negative	Negative	0	0	0	0
15	NT	NT	NT	NT	NT	NT	NT	NT	Negative	Negative	Negative	Negative	-	-	-	-
20	Negative	Negative	Negative	Negative	0-10%	0-10%	0-10%	0-10%	NT	NT	NT	NT	NT	NT	NT	NT
38	Negative	Negative	Negative	Negative	1	1	1	1	Negative	Negative	Negative	Negative	1	1	1	1
41	NT	NT	NT	NT	NT	NT	NT	NT	Negative	Negative	Negative	Positive	10%	10%	10%	20%
42	Negative	Negative	Negative	Positive	<10%	<10%	<10%	~10%	NT	NT	NT	NT	NT	NT	NT	NT
51	Negative	Negative	Negative	Negative	0	0	0	0	Negative	Negative	Negative	Negative	0	0	0	0
54	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT