

UK NEQAS FOR H&I SCHEME 2A - CYTOTOXIC CROSSMATCHING

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A05/2015

DESPATCHED ON 19TH MAY 2015

HLA PHENOTYPE OF BLOOD DONOR: HLA-A1, A3; B7, B8; Cw7, -; DR15, DR17; DQ2, DQ6

			Summary of Results							
			PBL/T-Cells				B-Cells			
Total tested	21	21	21	21	20	20	20	19		
Positive	1	6	5	18	5	18	20	15		
Negative	20	15	16	3	15	2	0	4		
NT/Equivocal	0	0	0	0	0	0	0	1		
% Positive	4.8%	28.6%	23.8%	85.7%	25.0%	90.0%	100.0%	78.9%		
% Negative	95.2%	71.4%	76.2%	14.3%	75.0%	10.0%	0.0%	21.1%		
Consensus	Negative	Not Assessed	Negative	Positive	Negative	Positive	Positive	Positive		
HLA Antibody Specificity (Defined By CDC)	A24	B17	A1, DR3	A3	A24	B17	A1, DR3	A3		
			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
9	YES	YES	Negative	Negative	Positive	Positive	Negative	Negative	Positive	Positive
11	YES	YES	Negative	Positive	Positive	Positive	Negative	Positive	Positive	Positive
12	YES	YES	Negative	Positive	Negative	Positive	Positive	Positive	Positive	Positive
14	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Positive	Positive
15	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Positive	Negative
20	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Positive
23	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Positive	Positive
24	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Positive
25	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Negative
28	YES	YES	Negative	Negative	Negative	Weak Positive	Negative	Positive	Positive	Negative
34	YES	YES	Negative	Positive	Negative	Positive	Positive	Positive	Positive	Positive
35	YES	NO	Negative	Negative	Negative	Positive				
38	YES	YES	Negative	Positive	Negative	Positive	Negative	Positive	Positive	Positive
39	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Positive	Negative
41	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Positive
42	YES	YES	Negative	Negative	Positive	Positive	Negative	Positive	Positive	Positive
45	YES	YES	Negative	Positive	Negative	Positive	Positive	Positive	Positive	Positive
51	YES	YES	Negative	Negative	Negative	Positive	Negative	Positive	Positive	Equivocal
54	YES	YES	Negative	Negative	Negative	Positive	Positive	Positive	Positive	Positive
58	YES	YES	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive
62	YES	YES	Negative	Negative	Positive	Positive	Negative	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	2	2	0	0	6	2		90	90
11		Weak	Weak	Weak		Strong	Strong	Moderate		85	90
12	1	2	1	6	2	8	8	6		95	95
14	0	0	0	8	0	0	8	8		90	90
15	0	0	0	0	0	4	8	0	100	100	100
20	1	1	1	8	1	9	9	9		90	40
23	1	1	1	1	1	8	8	4		90	90
24	5%	5%	10%	90%	30%	70%	100%	90%		90	90
25	1	1	1	4	1	8	8	1		99	60
28	1	1	1	4	1	8	8	1		99	99
34	1	4	1	8	4	8	8	6		99	95
35	1	1	1	8					90	70	
38	1	2	1	4	1	8	8	2		95	95
39						6	8			98	98
41				10-15%		80%	100	15		98	98
42	<10%	<10%	20-40%	40-60%	<10%	40-50%	80-100%	20%		95	95
45	2	4	1	8	4	8	8	4		99	90
51	0	0	0	6-8	0	6	8	1		95	95
54	15%	15%	15%	45%	40%	80%	100%	70%	95	95	90
58	15	20	15	90	20	95	100	50		99	95
62	1	1	4	8	1	8	8	6		90	80

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			Summary of Results							
			PBL/T-Cells				B-Cells			
Total tested			18	18	18	18	17	17	17	16
Positive			0	1	4	15	0	0	16	11
Negative			18	17	14	3	17	17	1	5
NT/Equivocal			0	0	0	0	0	0	0	1
% Positive			0.0%	5.6%	22.2%	83.3%	0.0%	0.0%	94.1%	68.8%
% Negative			100.0%	94.4%	77.8%	16.7%	100.0%	100.0%	5.9%	31.3%
Consensus			Negative	Negative	Negative	Positive	Negative	Negative	Positive	Not Assessed
HLA Antibody Specificity (Defined By CDC)			A24	B17	A1, DR3	A3	A24	B17	A1, DR3	A3
			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
9	YES	YES	Negative	Negative	Positive	Positive	Negative	Negative	Positive	Positive
11	YES	YES	Negative	Negative	Positive	Positive	Negative	Negative	Positive	Positive
12	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Positive	Positive
14	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Positive	Positive
15	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative
20	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Negative
24	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Positive	Positive
25	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative
28	YES	YES	Negative	Negative	Negative	Weak Positive	Negative	Negative	Positive	Negative
34	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Positive	Positive
35	YES	NO	Negative	Negative	Negative	Positive				
38	YES	YES	Negative	Positive	Negative	Positive	Negative	Negative	Positive	Positive
39	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative
41	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Positive	Positive
42	YES	YES	Negative	Negative	Positive	Positive	Negative	Negative	Positive	Positive
45	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Positive	Positive
51	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Positive	Equivocal
58	YES	YES	Negative	Negative	Positive	Positive	Negative	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	4	2	0	0	6	4		90	90
11			Weak	Strong			Strong	Strong		85	90
12	1	1	1	6	1	1	8	4		95	95
14	0	0	0	8	0	0	8	8		90	90
15	0	0	0	0	0	0	8	0	100	100	100
20	1	1	1	6	1	1	1	1		90	40
24	10%	5%	10%	100%	30%	30%	100%	80%		90	90
25	1	1	1	1	1	1	8	1		99	60
28	1	1	1	4	1	1	8	1		99	99
34	1	1	1	4	1	1	8	6		99	95
35	1	1	1	8					90	70	
38	1	2	1	6	1	1	8	2		95	85
39							8			98	98
41				50%			100%	15%		98	98
42	<10%	<10%	20-40%	20%	<10%	<10%	80-100%	20%		95	95
45	1	1	1	8	1	1	8	6		99	90
51	0	0	0	4	0	0	8	1		95	95
58	<10	<10	15	100	<10	<10	100	90		99	95