

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A06/2015

DESPATCHED ON 19TH MAY 2015

HLA PHENOTYPE OF BLOOD DONOR: HLA-A24, A68; B8, B49; Cw7, -; DR17, DR11; DQ2, DQ7

			Summary of Results							
			PBL/T-Cells				B-Cells			
Total tested			21	19	21	21	20	20	20	20
Positive			0	6	8	3	1	20	17	1
Negative			21	13	13	18	19	0	3	19
NT/Equivocal			0	2	0	0	0	0	0	0
% Positive			0.0%	31.6%	38.1%	14.3%	5.0%	100.0%	85.0%	5.0%
% Negative			100.0%	68.4%	61.9%	85.7%	95.0%	0.0%	15.0%	95.0%
Consensus			Negative	Not Assessed	Not Assessed	Negative	Negative	Positive	Positive	Negative
HLA Antibody Specificity (Defined By CDC)			A3	A1, DR3	B17	A24	A3	A1, DR3	B17	A24
			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	Positive	Negative	Negative	Negative	Positive	Negative	Negative
11	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Positive	Negative
12	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Positive	Negative
14	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Positive	Negative
15	YES	YES	Negative	Positive	Positive	Negative	Negative	Positive	Positive	Negative
20	YES	YES	Negative	Positive	Positive	Negative	Positive	Positive	Positive	Positive
23	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Positive	Negative
24	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
25	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Positive	Negative
28	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Positive	Negative
34	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Negative
35	YES	NO	Negative	Equivocal	Negative	Negative				
38	YES	YES	Negative	Positive	Positive	Positive	Negative	Positive	Positive	Negative
39	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Positive	Negative
41	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Positive	Negative
42	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Positive	Negative
45	YES	YES	Negative	Negative	Positive	Positive	Negative	Positive	Positive	Negative
51	YES	YES	Negative	Equivocal	Negative	Negative	Negative	Positive	Negative	Negative
54	YES	YES	Negative	Negative	Weak Positive	Weak Positive	Negative	Positive	Positive	Negative
58	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Negative
62	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Negative

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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	2	0	0	0	8	0	0		90	90
11	-	weak	-	-	-	strong	moderate	-		99	95
12	1	1	2	1	1	8	6	1	90	95	90
14	0	0	0	0	0	8	8	0		90	90
15	0	1	1	0	0	8	1	0	100	100	100
20	1	6	4	1	3	9	8	6		80	80
23	1	1	1	1	1	8	4	1		90	90
24	10%	20%	10%	10%	30%	100%	40%	20%		90	90
25	1	1	1	1	1	8	6	1		99	80
28	1	1	1	1	1	8	6	1		99	99
34	1	1	4	1	1	8	8	1		99	95
35	1	2	1	1					90	60	
38	1	2	2	2	1	8	4	1	98	98	95
39	-	-	-	-	-	8	2	-	99		99
41	-	-	-	-	-	100%	70-90%	-	98	98	98
42	<10%	20-40%	<10%	<10%	<10%	80-100%	20-40%	<10%	95		95
45	1	2	6	4	1	2	2	1		95	90
51	0	1	0	0	0	6-8	0	0		95	95
54	0-10%	10-20%	20-30%	20-30%	10-20%	100%	70-80%	10-20%		99	95
58	≤10	≤10	20	≤10	≤10	100	70	≤10		99	95
62	1	1	4	1	1	8	8	1		70	75

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			Summary of Results							
			PBL/T-Cells				B-Cells			
Total tested	18	16	18	18	17	17	17	17		
Positive	0	3	0	1	0	17	0	1		
Negative	18	13	18	17	17	0	17	16		
NT/Equivocal	0	2	0	0	0	0	0	0		
% Positive	0.0%	18.8%	0.0%	5.6%	0.0%	100.0%	0.0%	5.9%		
% Negative	100.0%	81.3%	100.0%	94.4%	100.0%	0.0%	100.0%	94.1%		
Consensus	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative		
HLA Antibody Specificity (Defined By CDC)	A3	A1, DR3	B17	A24	A3	A1, DR3	B17	A24		
			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	Positive	Negative	Negative	Negative	Positive	Negative	Negative
11	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative
12	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
14	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
15	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
20	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Positive
24	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
25	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
28	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
34	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
35	YES	NO	Negative	Equivocal	Negative	Negative	Negative			
38	YES	YES	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Negative
39	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
41	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
42	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
45	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
51	YES	YES	Negative	Equivocal	Negative	Negative	Negative	Positive	Negative	Negative
58	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative

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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	4	0	0	0	8	0	0		90	90
11	-	weak	-	-	-	strong	-	-		99	95
12	1	1	1	1	1	8	1	1	90	95	90
14	0	0	0	0	0	8	0	0		90	90
15	0	0	0	0	0	8	0	0	100	100	100
20	1	1	1	1	1	9	1	6		80	80
24	5%	10%	10%	10%	10%	100%	30%	20%		90	90
25	1	1	1	1	1	8	1	1		99	80
28	1	1	1	1	1	8	1	1		99	99
34	1	1	1	1	1	6	1	1		99	95
35	1	2	1	1					90	60	
38	1	2	1	4	1	8	1	1	98	98	95
39	-	-	-	-	-	8	-	-	99		99
41	-	-	-	-	-	100%	-	-	98	98	98
42	<10%	<10%	<10%	<10%	<10%	80-100%	<10%	<10%	95		95
45	1	1	1	1	1	8	1	1		95	90
51	0		0	0	0	6-8	0	0		95	95
58	≤10	≤10	≤10	≤10	≤10	100	≤10	≤10		99	95