

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A03/2015

DESPATCHED ON 24TH MARCH 2015

HLA PHENOTYPE OF BLOOD DONOR: HLA-A1, A2; B7, B8; Cw7, -; DR7, DR15; DQ6, DQ9

			Summary of Results							
			PBL/T-Cells				B-Cells			
Total tested			20	18	19	20	19	18	18	19
Positive			2	1	0	18	19	6	8	19
Negative			18	17	19	2	0	12	10	0
NT/Equivocal			1	3	2	1	1	2	2	1
% Positive			10.0%	5.6%	0.0%	90.0%	100.0%	33.3%	44.4%	100.0%
% Negative			90.0%	94.4%	100.0%	10.0%	0.0%	66.7%	55.6%	0.0%
<b>Consensus</b>			<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Positive</b>	<b>Positive</b>	<b>Not Assessed</b>	<b>Not Assessed</b>	<b>Positive</b>
HLA Antibody Specificity (Defined By CDC)			DQ1	A9, DR15	DQ3	A2, B17	DQ1	A9, DR15	DQ3	A2, B17
Lab No.	PBL/T Cell Assessment	B Cell Assessment	Without DTT				Without DTT			
			Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4
9	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT
11	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Negative	Positive
12	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Positive	Positive
14	YES	YES	Negative	Negative	Negative	Positive	Positive	Positive	Positive	Positive
15	YES	YES	Negative	Negative	Negative	Positive	Positive	Positive	Negative	Positive
20	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Positive	Positive
23	YES	YES	Negative	Equivocal	Equivocal	Positive	Positive	Equivocal	Equivocal	Positive
24	YES	YES	Positive	Positive	Negative	Positive	Positive	Positive	Positive	Positive
25	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Positive	Positive
28	YES	YES	Negative	Negative	Negative	Weak Positive	Positive	Negative	Positive	Positive
34	YES	YES	Positive	Negative	Negative	Positive	Positive	Negative	Negative	Positive
35	YES	NO	Negative	Negative	Negative	Positive				
38	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Negative	Positive
39	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Positive	Positive
41	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive
42	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Negative	Positive
45	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Positive	Positive
51	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Negative	Positive
54	YES	YES	Negative	Negative	Negative	Positive	Positive	Positive	Negative	Positive
58	YES	YES	Negative	Equivocal	Negative	Positive	Positive	Weak Positive	Weak Positive	Positive
62	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Negative	Positive

Samples delayed in post

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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	NT	NT	NT	NT	NT	NT	NT	NT		10	10
11				6	8			8	80	80	80
12	5%	5%	5%	60%	100%	1%	30%	100%	95		99
14	0	0	0	2	8	8	6	8		>90	>90
15				6	6	1		6		95	95
20	1	1	1	9	9	1	3	9		90	90
23	1			8	8			8		90	90
24	30	30	20	90	100	60	40	100		90	90
25	1	1	1	8	8	1	2	8		99	99
28	1	1	1	4	8	1	1	8		90	90
34	2	1	1	8	8	1	1	8			
35	1	1	1	6					90	70	
38	1	1	1	2	8	1	1	8	95	98	90
39					8	6	6	8	98		98
41	10%	0%	0%	0%	95%	5%	0%	99%	90	90	90
42	<20%	<10%	<10%	60-80%	80-100%	<10%	<10%	80-100%	90		90
45	1	1	1	8	8	1-2	6	8		99	90
51	0	0	0	8	6-8	0	0	6-8		95	95
54	<5%	<5%	<5%	70%	70%	40%	<10%	80%		>94	90
58	5%	5-10%	5%	95%	100%	10%	10%	100%		95	95
62	1	1	1	8	8	1	1	8		99	99

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HLA PHENOTYPE OF BLOOD DONOR: HLA-A1, A2; B7, B8; Cw7, -; DR7, DR15; DQ6, DQ9

			Summary of Results							
			PBL/T-Cells				B-Cells			
Total tested			16	15	16	16	15	15	15	15
Positive			0	1	0	0	15	5	2	10
Negative			16	14	16	16	0	10	13	5
NT/Equivocal			2	3	2	2	2	2	2	2
% Positive			0.0%	6.7%	0.0%	0.0%	100.0%	33.3%	13.3%	66.7%
% Negative			100.0%	93.3%	100.0%	100.0%	0.0%	66.7%	86.7%	33.3%
<b>Consensus</b>			<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Positive</b>	<b>Not Assessed</b>	<b>Negative</b>	<b>Not Assessed</b>
HLA Antibody Specificity (Defined By CDC)			DQ1	A9, DR15	DQ3	A2, B17	DQ1	A9, DR15	DQ3	A2, B17
			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	NT	NT	NT	NT	NT	NT	NT	NT
11	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT
12	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative
14	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	<b>Positive</b>	Positive
15	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Positive
20	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative
24	YES	YES	Negative	<b>Positive</b>	Negative	Negative	Positive	Positive	Negative	Positive
25	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative
28	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive
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	Negative
39	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Positive
41	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive
42	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive
45	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive
51	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative
58	YES	YES	Negative	<b>Equivocal</b>	Negative	Negative	Positive	Positive	<b>Positive</b>	Positive

Samples delayed in post  
Results not reportable

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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	NT	NT	NT	NT	NT	NT	NT	NT		10	10
11	NT	NT	NT	NT	NT	NT	NT	NT	80	80	80
12	5%	5%	5%	10%	100%	10%	1%	15%	95		99
14	0	0	0	0	8	8	2	8		>90	>90
15					6	4		6		95	95
20	1	1	1	1	9	1	1	1		90	90
24	10	30	10	10	100	80	20	90		90	90
25	1	1	1	1	8	1	1	1		99	99
28	1	1	1	1	8	1	1	8		90	90
34	1	1	1	1	6	1	1	8			
35	1	1	1	1					90	70	
38	1	1	1	1	8	1	1	1	95	98	90
39					8	8		8	98		98
41	0%	0%	0%	0%	95%	10%	0%	40%	90	90	90
42	<10%	<10%	<10%	<10%	80-100%	<20%	<10%	20-40%	90		90
45	1	1	1	1	8	1-2	1	8		99	90
51	0	0	0	0	6-8	0	0	0		95	95
58	5%	5-10%	5%	5%	100%	90%	10%	98%		95	95