

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A07/2015

DISPATCHED ON 14TH JULY 2015

HLA PHENOTYPE OF BLOOD DONOR: HLA-A1, A3; B7, B8; Cw7, -; DR13, DR17; DQ2, DQ6

			Summary of Results							
			PBL/T-Cells				B-Cells			
Total tested			21	21	21	21	20	20	20	20
Positive			0	0	21	0	17	19	20	3
Negative			21	21	0	21	3	1	0	17
NT/Equivocal			0	0	0	0	0	0	0	0
% Positive			0.0%	0.0%	100.0%	0.0%	85.0%	95.0%	100.0%	15.0%
% Negative			100.0%	100.0%	0.0%	100.0%	15.0%	5.0%	0.0%	85.0%
<b>Consensus</b>			<b>Negative</b>	<b>Negative</b>	<b>Positive</b>	<b>Negative</b>	<b>Positive</b>	<b>Positive</b>	<b>Positive</b>	<b>Negative</b>
HLA Antibody Specificity (Defined By CDC)			Cw5, DR3	A10, B16	A1, B8, DR3	DQ3	Cw5, DR3	A10, B16	A1, B8, DR3	DQ3
			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	Negative	Positive	Positive	Positive	Negative
11	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	<b>Positive</b>
12	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative
14	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	<b>Positive</b>
15	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative
20	YES	YES	Negative	Negative	Positive	Negative	<b>Negative</b>	Positive	Positive	Negative
23	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative
24	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative
25	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative
28	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative
34	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	<b>Positive</b>
35	YES	NO	Negative	Negative	Positive	Negative				
38	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative
39	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative
41	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative
42	YES	YES	Negative	Negative	Positive	Negative	Weak Positive	Positive	Positive	Negative
45	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative
51	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative
54	YES	YES	Negative	Negative	Positive	Negative	<b>Negative</b>	<b>Negative</b>	Positive	Negative
58	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative
62	YES	YES	Negative	Negative	Positive	Negative	<b>Negative</b>	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	0	4	0	4	6	8	0		100	100
11	-	-	8	-	4	8	8	2		90	80
12	1	1	8	1	2	8	8	1	>95	>95	90
14	0	0	8	0	8	8	8	4		>90	80
15	1	1	8	1	2	2	8	1		95	95
20	1	1	9	1	1	9	9	1		90	70
23	1	1	6	1	6	8	8	2		>90	>90
24	10%	20%	90%	10%	90%	100%	100%	40%		90	90
25	1	1	8	1	6	8	8	1		99	99
28	1	1	8	1	8	8	8	1		95	95
34	1	1	8	1	6	6	8	4		97	88
35	1	1	8	1					90	80	
38	1	1	8	1	4	8	8	1	98	99	95
39	-	-	6	-	8	8	8	-	99		99
41	1	1	8	1	4	4	8	1		95	95
42	<10%	<10%	80-100%	<10%	20-40%	40-60%	80-100%	<10%	95		95
45	1	1	8	1	4	4	8	1		95	90
51	0	0	6-8	0	4	6-8	6-8	0		95	90
54	<10%	<10%	50%	<10%	<20%	<20%	>90%	<20%		>80	>80
58	≤10	≤10	90	≤10	60	90	100	≤10		95	90
62	1	1	6	1	1	8	4	1		99	90

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			Summary of Results							
			PBL/T-Cells				B-Cells			
Total tested			18	18	18	18	17	17	17	17
Positive			0	0	18	0	13	17	17	1
Negative			18	18	0	18	4	0	0	16
NT/Equivocal			0	0	0	0	0	0	0	0
% Positive			0.0%	0.0%	100.0%	0.0%	76.5%	100.0%	100.0%	5.9%
% Negative			100.0%	100.0%	0.0%	100.0%	23.5%	0.0%	0.0%	94.1%
<b>Consensus</b>			<b>Negative</b>	<b>Negative</b>	<b>Positive</b>	<b>Negative</b>	<b>Positive</b>	<b>Positive</b>	<b>Positive</b>	<b>Negative</b>
HLA Antibody Specificity (Defined By CDC)			Cw5, DR3	A10, B16	A1, B8, DR3	DQ3	Cw5, DR3	A10, B16	A1, B8, DR3	DQ3
			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	Negative	Positive	Positive	Positive	Negative
11	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	<b>Positive</b>
12	YES	YES	Negative	Negative	Positive	Negative	<b>Negative</b>	Positive	Positive	Negative
14	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative
15	YES	YES	Negative	Negative	Positive	Negative	<b>Negative</b>	Positive	Positive	Negative
20	YES	YES	Negative	Negative	Positive	Negative	<b>Negative</b>	Positive	Positive	Negative
24	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative
25	YES	YES	Negative	Negative	Positive	Negative	<b>Negative</b>	Positive	Positive	Negative
28	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative
34	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative
35	YES	NO	Negative	Negative	Positive	Negative				
38	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative
39	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative
41	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative
42	YES	YES	Negative	Negative	Positive	Negative	Weak Positive	Positive	Positive	Negative
45	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative
51	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative
58	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	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	0	4	0	4	6	8	0		100	100
11	-	-	8	-	8	8	8	2		90	80
12	1	1	8	1	1	8	8	1	>95	>95	90
14	0	0	8	0	8	8	8	0		>90	80
15	1	1	8	1	1	2	8	1		95	95
20	1	1	9	1	1	9	9	1		90	70
24	10%	10%	90%	10%	90%	90%	10%	30%		90	90
25	1	1	8	1	1	4	8	1		99	99
28	1	1	8	1	8	8	8	1		95	95
34	1	1	8	1	6	6	8	1		97	88
35	1	1	6	1					90	80	
38	1	1	8	1	4	8	8	1	98	99	95
39	-	-	4	-	6	8	8	-	99		99
41	1%	1%	8	1	4%	6%	8	1		95	95
42	<10%	<10%	80-100%	<10%	20-40%	40-60%	80-100%	<10%	95		95
45	1	1	8	1	4	4	8	1		95	90
51	0	0	6-8	0	4	6-8	6-8	0		95	90
58	≤10	≤10	90	≤10	90	90	100	≤10		95	90