

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A08/2015

DISPATCHED ON 14TH JULY 2015

HLA PHENOTYPE OF BLOOD DONOR: HLA-A2, A29; B44, B45; Cw6, Cw16; DR4, DR7; DQ2, DQ7

			Summary of Results							
			PBL/T-Cells				B-Cells			
Total tested			21	18	21	21	19	20	20	20
Positive			0	6	1	0	4	20	19	1
Negative			21	12	20	21	15	0	1	19
NT/Equivocal			0	3	0	0	1	0	0	0
% Positive			0.0%	33.3%	4.8%	0.0%	21.1%	100.0%	95.0%	5.0%
% Negative			100.0%	66.7%	95.2%	100.0%	78.9%	0.0%	5.0%	95.0%
<b>Consensus</b>			<b>Negative</b>	<b>Not Assessed</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Positive</b>	<b>Positive</b>	<b>Negative</b>
HLA Antibody Specificity (Defined By CDC)			Cw5, DR3	DQ3	A10, B16	A1, B8, DR3	Cw5, DR3	DQ3	A10, B16	A1, B8, DR3
			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	Equivocal	Negative	Negative	Negative	Positive	Positive	Negative
11	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Positive	Negative
12	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Positive	Negative
14	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Positive	Positive
15	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Positive	Negative
20	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
23	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Positive	Negative
24	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Positive	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	Negative	Negative	Negative	Positive	Positive	Negative
35	YES	NO	Negative	Equivocal	Negative	Negative				
38	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Positive	Negative
39	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Positive	Negative
41	YES	YES	Negative	Positive	Positive	Negative	Negative	Positive	Positive	Negative
42	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Weak Positive	Negative
45	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Positive	Negative
51	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Positive	Negative
54	YES	YES	Negative	Positive	Negative	Negative	Positive	Positive	Positive	Negative
58	YES	YES	Negative	Equivocal	Negative	Negative	Equivocal	Positive	Positive	Negative
62	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Positive	Negative

Cell death on neg control

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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	6	4	0		100	100
11	-	-	-	-	-	8	6	-		90	90
12	1	1	1	1	1	8	6	1	90	>95	90
14	0	0	0	0	6	8	8	4		>90	80
15	0	1	0	0	0	8	4	0		100	80
20	1	1	1	1	1	9	1	1		90	70
23	1	1	1	1	1	8	6	1		>90	>90
24	10%	20%	10%	20%	40%	100%	80%	30%		90	90
25	1	1	1	1	1	8	6	1		99	99
28	1	1	1	1	1-2	8	6	1		85	60
34	1	1	1	1	1	8	4	1		97	88
35	1	-	1	1					90	80	
38	1	4	1	1	1	8	4	1	95	95	85
39	-	-	-	-	4	8	8	-	99		99
41	1	4	2	1	1	8	6	1		95	95
42	<10%	~10%	<10%	<10%	<10%	80-100%	10-20%	<10%	95		90
45	1	1	1	1	1	8	6	1		95	80
51	0	2	0	0	0	8	4-6	0		95	90
54	0%	40%	0%	0%	70%	100%	80%	10%		99	98
58	≤10	-	≤10	≤10	-	100	80	≤10		95	80
62	1	4	1	1	1	8	4	1		95	90

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			Summary of Results							
			PBL/T-Cells				B-Cells			
Total tested	18	15	18	18	16	17	17	17		
Positive	0	4	1	0	3	17	15	1		
Negative	18	11	17	18	13	0	2	16		
NT/Equivocal	0	3	0	0	1	0	0	0		
% Positive	0.0%	26.7%	5.6%	0.0%	18.8%	100.0%	88.2%	5.9%		
% Negative	100.0%	73.3%	94.4%	100.0%	81.3%	0.0%	11.8%	94.1%		
Consensus	<b>Negative</b>	<b>Not Assessed</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Positive</b>	<b>Positive</b>	<b>Negative</b>		
HLA Antibody Specificity (Defined By CDC)	Cw5, DR3	DQ3	A10, B16	A1, B8, DR3	Cw5, DR3	DQ3	A10, B16	A1, B8, DR3		
			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	Equivocal	Negative	Negative	Negative	Positive	Positive	Negative
11	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Positive	Negative
12	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	<b>Negative</b>	Negative
14	YES	YES	Negative	Negative	Negative	Negative	<b>Positive</b>	Positive	Positive	Negative
15	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Positive	Negative
20	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	<b>Negative</b>	Negative
24	YES	YES	Negative	Negative	Negative	Negative	<b>Positive</b>	Positive	Positive	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	Negative	Negative	Negative	Positive	Positive	Negative
35	YES	NO	Negative	Equivocal	Negative	Negative				
38	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Positive	Negative
39	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Positive	<b>Positive</b>
41	YES	YES	Negative	Positive	<b>Positive</b>	Negative	Negative	Positive	Positive	Negative
42	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Weak Positive	Negative
45	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Positive	Negative
51	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Positive	Negative
58	YES	YES	Negative	Equivocal	Negative	Negative	Equivocal	Positive	Positive	Negative

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11	-	-	-	-	-	8	6	-		90	90
12	1	1	1	1	1	8	1	1	90	>95	90
14	0	0	0	0	2	8	8	0		>90	80
15	0	1	0	0	0	8	2	0		100	80
20	1	1	1	1	1	9	1	1		90	70
24	20%	30%	10%	10%	40%	100%	70%	20%		90	90
25	1	1	1	2	1	8	4	1		99	99
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39	-	-	-	-	2	8	4	4	99		99
41	1	4	2	1	1	8	6	1		95	95
42	<10%	~10%	<10%	<10%	<10%	80-100%	~20%	<10%	95		90
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58	≤10	-	≤10	≤10	-	100	90	≤10		95	80