

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A09/2015

DISPATCHED ON 22ND SEPTEMBER 2015

HLA PHENOTYPE OF BLOOD DONOR: HLA-A1, A2; B8, B57; Cw6, Cw7; DR7, DR17; DQ2, DQ9

			Summary of Results							
			PBL/T-Cells				B-Cells			
Total tested	20	20	20	19	19	19	19	19	19	
Positive	0	1	20	3	0	18	19	15	15	
Negative	20	19	0	16	19	1	0	4	4	
NT/Equivocal	1	1	1	2	1	1	1	1	1	
% Positive	0.0%	5.0%	100.0%	15.8%	0.0%	94.7%	100.0%	78.9%	78.9%	
% Negative	100.0%	95.0%	0.0%	84.2%	100.0%	5.3%	0.0%	21.1%	21.1%	
Consensus	<b>Negative</b>	<b>Negative</b>	<b>Positive</b>	<b>Negative</b>	<b>Negative</b>	<b>Positive</b>	<b>Positive</b>	<b>Positive</b>	<b>Positive</b>	
HLA Antibody Specificity (Defined By CDC)	B44, Cw5, DR4	DR3	B8,B44,DR5,DR8,DR13	B14+	B44, Cw5, DR4	DR3	B8,B44,DR5,DR8,DR13	B14+	B14+	
			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	Negative	Positive	Positive	<b>Negative</b>
11	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Positive
12	YES	YES	Negative	Negative	Positive	<b>Positive</b>	Negative	Positive	Positive	Positive
14	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Positive
15	YES	YES	Negative	<b>Positive</b>	Positive	Negative	Negative	Positive	Positive	Positive
20	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Positive
23	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Positive
24	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	<b>Negative</b>
25	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Positive
28	YES	YES	Negative	Negative	Positive	Negative	Negative	<b>Negative</b>	Positive	<b>Negative</b>
34	YES	YES	Negative	Negative	Positive	<b>Positive</b>	Negative	Positive	Positive	Positive
35	YES	NO	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Positive
38	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Positive
39	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Positive
41	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT
42	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	<b>Negative</b>
45	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Positive
51	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Positive
54	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Positive
58	YES	YES	Negative	Negative	Positive	<b>Equivocal</b>	Negative	Positive	Positive	Positive
62	YES	YES	Negative	Negative	Positive	<b>Positive</b>	Negative	Positive	Positive	Positive

Comments

Delivery Delay

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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	6	0	0	6	6	0		95	95
11			8			4	8	4	90	90	80
12	1	1	8	4	1	4	8	4	95	>95	90
14	0	0	8	0	0	8	8	6		80	80
15	0	1	8	0	0	8	8	2	95		95
20	1	1	9	1	1	9	9	8	70		95
23	1	1	8	1	1	8	8	4		90	90
24	10%	20%	100%	20%	20%	90%	100%	20%		90	90
25	1	1	8	1	1	6	8	4		99	99
28	1	1	8	1	1	1	8	1		95	75
34	1	1	8	2	1	8	8	8		99	85
35	1	1	8	1					90	80	
38	1	1	8	1	1	8	8	2	95	95	85
39			8			6	8	4	98		98
41	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
42	<10%	10%	80-100%	<10%	<10%	80-100%	80-100%	<10%	95		95
45	1	1	8	1-2	1	6	8	6-8		98	98
51	0	0	8	0	0	8	8	4-6		90	90
54	<10%	20%	>90%	20%	10%	>90%	>90%	60-70%		99	90
58	5	5	100		5	80	100	50		95	95
62	1	1	8	4	1	8	8	8		99	95

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PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITH DTT OF SAMPLE 2A09/2015

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HLA PHENOTYPE OF BLOOD DONOR: HLA-A1, A2; B8, B57; Cw6, Cw7; DR7, DR17; DQ2, DQ9

Summary of Results											
PBL/T-Cells					B-Cells						
Total tested	17	17	16	17	16	15	15	15	15		
Positive	0	1	15	0	0	11	15	15	0		
Negative	17	16	1	17	16	4	0	0	15		
NT/Equivocal	1	1	2	1	1	2	2	2	2		
% Positive	0.0%	5.9%	93.8%	0.0%	0.0%	73.3%	100.0%	100.0%	0.0%		
% Negative	100.0%	94.1%	6.3%	100.0%	100.0%	26.7%	0.0%	0.0%	100.0%		
Consensus	<b>Negative</b>	<b>Negative</b>	<b>Positive</b>	<b>Negative</b>	<b>Negative</b>	<b>Not Assessed</b>	<b>Positive</b>	<b>Positive</b>	<b>Negative</b>		
HLA Antibody Specificity (Defined By CDC)	B44, Cw5, DR4	DR3	B8,B44,DR5,DR8,DR13	B14+	B44, Cw5, DR4	DR3	B8,B44,DR5,DR8,DR13	B14+			
Lab No.	PBL/T Cell Assessment	B Cell Assessment	With DTT				With DTT				Comments
			Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4	
9	YES	YES	Negative	Negative	<b>Equivocal</b>	Negative	Negative	Negative	<b>Equivocal</b>	Negative	
11	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Negative	
12	YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Positive	Negative	
14	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Negative	
15	YES	YES	Negative	<b>Positive</b>	Positive	Negative	Negative	Positive	Positive	Negative	
20	YES	YES	Negative	Negative	<b>Negative</b>	Negative	Negative	Negative	Positive	Negative	
24	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Negative	
25	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Negative	
28	YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Positive	Negative	
34	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Negative	
35	YES	NO	Negative	Negative	Positive	Negative	Negative	Negative	Positive	Negative	
38	YES	YES	Negative	Negative	Positive	Negative	Negative	<b>NT</b>	Positive	<b>NT</b>	Failure of IgM positive control
39	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Negative	
41	YES	YES	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	Delivery delay
42	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Negative	
45	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Negative	
51	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Negative	
58	YES	YES	Negative	Negative	Positive	Negative	Negative	Positive	Positive	Negative	

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	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	0		0		95	95
11			8			6	8		90	90	80
12	1	1	8	1	1	1	6	1	95	>95	90
14	0	0	8	0	0	8	8	0		80	80
15	0	1	8	0	0	8	8	0	95		95
20	1	1	1	1	1	1	9	1	70		95
24	20%	20%	100%	20%	20%	90%	100%	20%		90	90
25	1	1	8	1	1	4	6	1		99	99
28	1	1	8	1	1	1	4	1		95	75
34	1	1	8	1	1	8	8	1		99	85
35		1	8						90	80	
38	1	1	8	1	1	NT	8	NT	95	95	85
39			4			4	6		98		98
41	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
42	<10%	<10%	80-100%	<10%	<10%	40-60%	80-100%	<10%	95		95
45	1	1	8	1	1	6	8	1		98	98
51	0	0	8	0	0	8	8	0		90	90
58	5	5	100	5	5	100	100	5		95	95