

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A10/2015

DISPATCHED ON 22ND SEPTEMBER 2015

HLA PHENOTYPE OF BLOOD DONOR: HLA-A1, A11; B27, B35; Cw2, Cw4; DR1, DR12; DQ5, DQ7

			Summary of Results								
			PBL/T-Cells				B-Cells				
Total tested	18	19	19	19	18	18	18	18			
Positive	12	1	0	6	17	1	0	18			
Negative	6	18	19	13	1	17	18	0			
NT/Equivocal	3	2	2	2	2	2	2	2			
% Positive	66.7%	5.3%	0.0%	31.6%	94.4%	5.6%	0.0%	100.0%			
% Negative	33.3%	94.7%	100.0%	68.4%	5.6%	94.4%	100.0%	0.0%			
Consensus	Not Assessed	Negative	Negative	Not Assessed	Positive	Negative	Negative	Positive			
HLA Antibody Specificity (Defined By CDC)	B14+	B44, Cw5, DR4	DR3	B8,B44,DR5,DR8,DR13	B14+	B44, Cw5, DR4	DR3	B8,B44,DR5,DR8,DR13			
			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	Comments
9	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
11	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive	
12	YES	YES	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Positive	
14	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive	
15	YES	YES	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Positive	
20	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Negative	Positive	
23	YES	YES	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Positive	
24	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive	
25	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive	
28	YES	YES	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Positive	
34	YES	YES	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Positive	
35	YES	NO	Equivocal	Negative	Negative	Positive	Positive	Negative	Negative	Positive	
38	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Delivery delay
39	YES	YES	Weak Positive	Negative	Negative	Negative	Positive	Negative	Negative	Positive	
41	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Delivery delay
42	YES	YES	Positive	Negative	Negative	Positive	Positive	Negative	Negative	Positive	
45	YES	YES	Positive	Negative	Negative	Positive	Positive	Negative	Negative	Positive	
51	YES	YES	Positive	Negative	Negative	Positive	Positive	Negative	Negative	Positive	
54	YES	YES	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Positive	
58	YES	YES	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Positive	
62	YES	YES	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Positive	

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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	0	0	0	6		95	95
11					4			8	90	90	80
12	4	1	1	2	4	1	1	8		95	98
14	0	0	0	0	8	0	0	8		80	80
15	2	2		1	6	6		8	90		90
20	1	1	1	9	8	1	1	9	95		95
23	4	1	1	1	8	1	1	8		90	90
24	30%	20%	20%	30%	40%	20%	20%	80%		80	80
25	2	1	1	1	1	1	1	6		80	80
28	2	1	1	1	6	1	1	8		95	85
34	6	1	1	1	8	1	1	8		95	85
35		1	1	4					90	80	
38	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
39	2				2			8	98		98
41	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
42	20-40%	<10%	<10%	20-40%	20-40%	<10%	<10%	80-100%	95		95
45	4-6	1	1	4	2-4	1	1	6		99	99
51	2-4	0	0	4	4-8	0	0	8		90	95
54	20-40%	<10%	<10%	10-20%	30-40%	10%	10%	>70%		99	70
58	50	1	1	<5	90	10	5	100		99	95
62	6	1	1	1	8	2	2	8		95	90

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HLA PHENOTYPE OF BLOOD DONOR: HLA-A1, A11; B27, B35; Cw2, Cw4; DR1, DR12; DQ5, DQ7

			Summary of Results								
			PBL/T-Cells				B-Cells				
Total tested	16	16	16	16	15	15	15	15	15		
Positive	2	1	0	6	4	1	0	13	13		
Negative	14	15	16	10	11	14	15	2	2		
NT/Equivocal	2	2	2	2	2	2	2	2	2		
% Positive	12.5%	6.3%	0.0%	37.5%	26.7%	6.7%	0.0%	86.7%	86.7%		
% Negative	87.5%	93.8%	100.0%	62.5%	73.3%	93.3%	100.0%	13.3%	13.3%		
Consensus	Negative	Negative	Negative	Not Assessed	Not Assessed	Negative	Negative	Positive	Positive		
HLA Antibody Specificity (Defined By CDC)	B14+	B44, Cw5, DR4	DR3	B8,B44,DR5,DR8,DR13	B14+	B44, Cw5, DR4	DR3	B8,B44,DR5,DR8,DR13	B8,B44,DR5,DR8,DR13		
			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	Comments
9	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
11	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive	
12	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
14	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive	
15	YES	YES	Positive	Positive	Negative	Positive	Positive	Positive	Negative	Positive	
20	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Negative	
24	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
25	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
28	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
34	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
35	YES	NO	Negative	Negative	Negative	Positive					
38	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Delivery delay
39	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
41	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Delivery delay
42	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	
45	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Positive	
51	YES	YES	Positive	Negative	Negative	Positive	Positive	Negative	Negative	Negative	
58	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	

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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	0	0	0	0	0	6		95	95
11					2			8	90	90	80
12	1	1	1	1	1	1	1	8		95	98
14	0	0	0	0	2	0	0	8		80	80
15	2	1		1	6	6		8	90		90
20	1	1	1	9	1	1	1	1	95		95
24	20%	20%	20%	20%	30%	30%	30%	90%		80	80
25	2	1	1	1	1	1	1	6		80	80
28	1	1	1	1	1	1	1	6		95	85
34	1	1	1	1	1	1	1	8		95	85
35	1	1	1	4					90	80	
38	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
39								6	98		98
41	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
42	<10%	<10%	<10%	10-20%	<10%	<10%	<10%	80-100%	95		95
45	1	1	1	4	1	1	1	6		99	99
51	2	0	0	4	4	0	0	8		90	95
58	10	1	1	<5	25	5	5	100		99	95