

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A06/2018

DESPATCHED ON 11TH SEPTEMBER 2018

HLA PHENOTYPE OF BLOOD DONOR: HLA-A3, -; B35, B62; Cw4, Cw9; DR14, DR103; DQ5, -

				Summary of Results												
				PBL				T-Cells				B-Cells				
Total tested	8	8	8	8	29	29	29	29	25	25	26	27				
Positive	1	0	1	0	0	0	0	0	13	6	14	7				
Negative	7	8	7	8	29	29	29	29	12	19	12	20				
NT	1	1	1	1	5	5	5	5	11	11	10	9				
% Positive	12.5%	0.0%	12.5%	0.0%	0.0%	0.0%	0.0%	0.0%	52.0%	24.0%	53.8%	25.9%				
% Negative	87.5%	100.0%	87.5%	100.0%	100.0%	100.0%	100.0%	100.0%	48.0%	76.0%	46.2%	74.1%				
				Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Not Assessed	Negative	Not Assessed	Not Assessed	
HLA Antibody Specificity (Defined By CDC)				DR52	B7 B27 Multi	A10	B7	DR52	B7 B27 Multi	A10	B7	DR52	B7 B27 Multi	A10	B7	
Lab No.	PBL Assessment	T Cell Assessment	B Cell Assessment	Without DTT				Without DTT				Without DTT				Comments
				Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4	
9	YES	YES	YES	Positive	Negative	Positive	Negative	Negative	Negative	Negative	Negative	Positive	NT	Positive	Negative	Low B-cell viability
11	YES	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	NT	NT	NT	NT	Low B-cell viability
12	YES	YES	YES	Negative	Negative	Negative	Negative	NT	NT	NT	NT	NT	NT	NT	NT	Poor cell viability
20	YES	YES	YES	Negative	Negative	Negative	Negative					Negative	Negative	Negative	Negative	
23		YES	YES					NT	NT	NT	NT	NT	NT	NT	NT	Unable to test the sample due to loss of the cells during preparation
24		YES	YES					Negative	Negative	Negative	Negative	NT	NT	NT	Negative	High background in the negative control serum
25		YES	YES					Negative	Negative	Negative	Negative	Positive	Positive	Positive	Positive	
28		YES	YES					NT	NT	NT	NT	NT	NT	NT	NT	Non-reactive cells
34		YES	YES					Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	
38	YES	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Positive	Positive	Positive	
39		YES	YES					Negative	Negative	Negative	Negative	NT	NT	NT	NT	Low B-cell viability
41		YES	YES					Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	
42	YES	YES	YES	Negative	Negative	Negative	Negative					Positive	Negative	Positive	Negative	
45		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
51		YES	YES					Negative	Negative	Negative	Negative	Positive	Positive	Negative	Negative	Poor cell preparations
54		YES	YES					Negative	Negative	Negative	Negative	Positive	Positive	Positive	Positive	
58		YES	YES					Negative	Negative	Negative	Negative	Positive	Positive	Positive	Positive	
101		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
114		YES	YES					Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
116		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
117	YES			Negative	Negative	Negative	Negative									
136		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
145		YES	YES					Negative	Negative	Negative	Negative	NT	Negative	Negative	Negative	
149	YES			Negative	Negative	Negative	Negative									
162		YES	YES					Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive	
181		YES	YES					Negative	Negative	Negative	Negative	Positive	Negative	Positive	Negative	
186		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
204		YES	YES					Negative	Negative	Negative	Negative	Negative	Positive	Positive	Negative	
206		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
223		YES	YES					Negative	Negative	Negative	Negative	NT	NT	NT	NT	Low B-cell viability
227		YES	YES					Negative	Negative	Negative	Negative	NT	NT	NT	NT	Low B-cell viability
268		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
284		YES	YES					Negative	Negative	Negative	Negative	Positive	Negative	Positive	Negative	
311		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
315		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
351		YES	YES					NT	NT	NT	NT	NT	NT	NT	NT	No results returned
406				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	No results returned
411	YES	YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	

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PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A06/2018

DESPATCHED ON 11TH SEPTEMBER 2018

Lab No.	PBL without DTT				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	Serum 1 reaction strength	Serum 2 reaction strength	Serum 3 reaction strength	Serum 4 reaction strength	PBL	T-cells	B-cells
9	2	0	2	0	0	0	0	0	2	NT	2	0	80	80	60
11	-	-	-	-	-	-	-	-	NT	NT	NT	NT	80	95	
12	-	-	-	-	NT	NT	NT	NT	NT	NT	NT	NT	85	65	70
20	1	1	1	1					1	1	1	1	90		90
23					NT	NT	NT	NT	NT	NT	NT	NT			
24					10	10	10	10	NT	NT	NT	40		90	70
25					1	1	2	1	8	4	6	4		99	99
28					NT	NT	NT	NT	NT	NT	NT	NT		80	50
34					1	1	1	1	8	1	8	8		95	85
38	1	1	1	1	1	1	1	1	8	4	8	6	95	98	87
39					-	-	-	-	NT	NT	NT	NT		100	100
41					-	-	-	-	70	-	70	50		95	90
42	<10%	<10%	<10%	<10%					20-40%	<10%	10-20%	<10%	90		85
45					-	-	-	-	-	-	-	-		99	85
51					0	0	0	0	4	4	0	0		90	90
54					5%	5%	10%	5%	>90%	>90%	>90%	>90%		95	80
58					5	5	5	5	50	30	70	30		95	85
101					1	1	1	1							
114					1	1	1	1	6	2	2	2			
116					1	1	1	1	1-2	1-2	1-2	1		95	80
117	1	1	1	1									95		
136					1	1	1	1	1	1	8	4		98	95
145					-	-	-	-	NT	-	-	-		100	90
149	-	-	-	-									86		
162					-	-	-	-	4/6	-	4	4			
181					1	1	1	1	8	2	4	2		92	92
186					0	0	0	0	0	0	0	0		99	99
204					1	1	1	1	4	6	6	2		90	85
206					0	0	0	0	0	0	0	0		80	80
223					1	1	1	1	NT	NT	NT	NT		100	50
227					-	-	-	-	NT	NT	NT	NT		90	90
268					1	1	1	1	1	1	1	1		95	80
284					1	1	1	1	8	1	4	2		99	97
311					1	1	1	1	1	1	1	1		90	90
315					1	1	1	1	1	1	1	1		80	80
351															
406															
411					1	1	1	1	1	1	1	1		70	65

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PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITH DTT OF SAMPLE 2A06/2018

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HLA PHENOTYPE OF BLOOD DONOR: HLA-A3, -; B35, B62; Cw4, Cw9; DR14, DR103; DQ5, -

				Summary of Results												
				PBL				T-Cells				B-Cells				
				7	7	7	7	27	27	27	27	25	24	25	26	
Total tested				7	7	7	7	27	27	27	27	25	24	25	26	
Positive				1	0	0	0	0	0	0	0	12	2	0	0	
Negative				6	7	7	7	27	27	27	27	13	22	25	26	
NT				1	1	1	1	4	4	4	4	8	9	8	7	
% Positive				14.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	48.0%	8.3%	0.0%	0.0%	
% Negative				85.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	52.0%	91.7%	100.0%	100.0%	
Consensus				Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Not Assessed	Negative	Negative	Negative	
HLA Antibody Specificity (Defined By CDC)				DR52	B7 B27 Multi	A10	B7	DR52	B7 B27 Multi	A10	B7	DR52	B7 B27 Multi	A10	B7	
Lab No.	PBL Assessment	T Cell Assessment	B Cell Assessment	With DTT				With DTT				With DTT				Comments
				Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4	
9	YES	YES	YES	Positive	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	NT	NT	Negative	Low B-cell viability
11	YES	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	NT	NT	NT	NT	Low B-cell viability
12	YES	YES	YES	Negative	Negative	Negative	Negative	NT	NT	NT	NT	NT	NT	NT	NT	Poor cell viability
15		YES	YES					Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
20	YES		YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
24		YES	YES					Negative	Negative	Negative	Negative	NT	NT	Negative	Negative	High background in the negative control serum
25		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
28		YES	YES					NT	NT	NT	NT	NT	NT	NT	NT	Non-reactive cells
34		YES	YES					Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
38	YES	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
39		YES	YES					Negative	Negative	Negative	Negative	NT	NT	NT	NT	Low B-cell viability
41		YES	YES					Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
42	YES		YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
45		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
51		YES	YES					Negative	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Poor cell preparations
54		YES	YES					Negative	Negative	Negative	Negative	Positive	Positive	Negative	Negative	
58		YES	YES					Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
101		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
114		YES	YES					Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
116		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
149	YES			Negative	Negative	Negative	Negative									
162		YES	YES					Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
181		YES	YES					Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
186		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
204		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
206		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
227		YES	YES					Negative	Negative	Negative	Negative	NT	NT	NT	NT	Low B-cell viability
268		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
284		YES	YES					Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative	
311		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
315		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
351		YES	YES					NT	NT	NT	NT	NT	NT	NT	NT	No results returned
406				NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	No results returned
411	YES	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	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	Serum 1 reaction strength	Serum 2 reaction strength	Serum 3 reaction strength	Serum 4 reaction strength	PBL	T-cells	B-cells
9	4	0	0	0	0	0	0	0	2	NT	NT	0	80	80	60
11	-	-	-	-	-	-	-	-	NT	NT	NT	NT	80	95	
12	-	-	-	-	NT	NT	NT	NT	NT	NT	NT	NT	85	65	70
15					-	-	-	-	1	-	-	-		90	90
20	1	1	1	1					1	1	1	1	90		90
24					20	20	10	10	NT	NT	30	30		90	70
25					1	1	1	1	2	1	1	1		99	99
28					NT	NT	NT	NT	NT	NT	NT	NT		80	50
34					1	1	1	1	8	1	1	1		95	85
38	1	1	1	1	1	1	1	1	8	1	1	1	95	98	87
39					-	-	-	-	NT	NT	NT	NT		100	100
41					-	-	-	-	100	-	-	-		95	90
42	<10%	<10%	<10%	<10%					10-20%	<10%	<10%	<10%	90		85
45					-	-	-	-	-	-	-	-		99	85
51					0	0	0	0	0	4	0	0		90	90
54					10%	5%	5%	5%	>90%	50%	30%	20%		95	80
58					5	5	5	5	50	20	20	20		95	85
101					1	1	1	1	1	1	1	1			
114					1	1	1	1	6	1	1	1			
116					1	1	1	1	1	1	1	1		95	80
149	-	-	-	-									86		
162					-	-	-	-	4/6	-	-	-			
181					1	1	1	1	8	1	1	1		92	92
186					0	0	0	0	0	0	0	0		99	99
204					1	1	1	1	4	2	2	2		90	85
206					0	0	0	0	0	0	0	0		80	80
227					-	-	-	-	NT	NT	NT	NT		90	90
268					1	1	1	1	1	1	1	1		95	80
284					1	1	1	1	8	1	1	1		99	97
311					1	1	1	1	1	1	1	1		90	90
315					1	1	1	1	1	1	1	1		80	80
351															
406															
411					1	1	1	1	1	1	1	1		70	65