

UK NEQAS FOR H&I SCHEME 2A - CYTOTOXIC CROSSMATCHING

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A04/2015 OS WB

DESPATCHED ON 24TH MARCH 2015

HLA PHENOTYPE OF BLOOD DONOR: HLA-A2, A24; B39, B44; Cw5, Cw7; DR4, DR15; DQ6, DQ8

			Summary of Results							
			PBL/T-Cells				B-Cells			
Total tested			22	23	21	22	18	18	18	18
Positive			0	0	17	4	17	5	18	4
Negative			22	23	4	18	1	13	0	14
NT/Equivocal			1	0	2	1	1	1	1	1
% Positive			0.0%	0.0%	81.0%	18.2%	94.4%	27.8%	100.0%	22.2%
% Negative			100.0%	100.0%	19.0%	81.8%	5.6%	72.2%	0.0%	77.8%
Consensus			Negative	Negative	Positive	Negative	Positive	Not Assessed	Positive	Negative
HLA Antibody Specificity (Defined By CDC)			DQ1	DQ3	A2, B17	A9, DR15	DQ1	DQ3	A2, B17	A9, DR15
			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
101	YES	YES	Negative	Negative	Positive	Negative	Positive	Negative	Positive	Negative
114	YES	YES	Negative	Negative	Positive	Positive	Positive	Negative	Positive	Negative
117	YES	NO	Equivocal	Negative	Positive	Positive				
126	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative
136	YES	NO	Negative	Negative	Positive	Negative				
145	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Positive
149	YES	NO	Negative	Negative	Positive	Negative				
162	YES	YES	Negative	Negative	Positive	Positive	Positive	Positive	Positive	Positive
163	YES	YES	Negative	Negative	Equivocal	Negative	Positive	Negative	Positive	Negative
169	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative
186	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Positive
204	YES	YES	Negative	Negative	Positive	Negative	Equivocal	Equivocal	Positive	Negative
206	YES	YES	Negative	Negative	Positive	Negative	Positive	Negative	Positive	Negative
210	YES	YES	Negative	Negative	Positive	Negative	Positive	Negative	Positive	Negative
212	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Negative
227	YES	YES	Negative	Negative	NT	NT	Positive	Negative	Positive	Negative
235	YES	NO	Negative	Negative	Negative	Negative	Positive	Negative	NT	NT
243	YES	YES	Negative	Negative	Positive	Negative	Positive	Positive	Positive	Negative
268	YES	YES	Negative	Negative	Positive	Negative	Positive	Negative	Positive	Negative
284	YES	YES	Negative	Negative	Positive	Negative	Positive	Negative	Positive	Negative
301	YES	YES	Negative	Negative	Positive	Positive	Positive	Negative	Positive	Positive
311	YES	YES	Negative	Negative	Positive	Negative	Positive	Negative	Positive	Negative
315	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Negative

Serum 3&4 poor cell count

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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
101	1	1	4	1	4	1	6	1		100	80
114	1	1	4	4	8	1	6	1			
117	0	1	6	2					72		
126							20%				
136	1	1	6	1						90	
145			6-8		8	8	8	8		100	100
149			4-6						85		
162			6-8	4	8	2-4	8	8		100	100
163	1	1	4	1	8	1	8	1		95	90
169	1	1	4	1	8	4	8	1		98	98
186	0	0	8	0	8	6	8	8		95	95
204										20	20
206	1	1	6	1	8	1	8	1		100	100
210	0	0	+++	0	+++	0	+++	0		80	70
212									98	95	95
227										90	90
235	2	2	2	2					80		
243	2	2	8	2	8	6	8	2		90	80
268	1	1	6	1	8	1	8	1		90	90
284	1	1	6	1	8	2	8	1		98	95
301	1	1	6	2	8	1	8	4		90	85
311	1	1	4	1	8	1	6	1	100		
315	1	1	1	1	8	1	6	1		80	80

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			Summary of Results							
			PBL/T-Cells				B-Cells			
Total tested			18	18	17	17	15	15	15	15
Positive			0	0	1	3	13	2	8	4
Negative			18	18	16	14	2	13	7	11
NT/Equivocal			0	0	1	1	1	1	1	1
% Positive			0.0%	0.0%	5.9%	17.6%	86.7%	13.3%	53.3%	26.7%
% Negative			100.0%	100.0%	94.1%	82.4%	13.3%	86.7%	46.7%	73.3%
Consensus			Negative	Negative	Negative	Negative	Positive	Negative	Not Assessed	Not Assessed
HLA Antibody Specificity (Defined By CDC)			DQ1	DQ3	A2, B17	A9, DR15	DQ1	DQ3	A2, B17	A9, DR15
			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
101	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative
114	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Negative	Negative
149	YES	NO	Negative	Negative	Positive	Negative				
162	YES	YES	Negative	Negative	Negative	Positive	Positive	Negative	Positive	Positive
163	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Negative
169	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Positive	Negative
186	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Positive	Positive
204	YES	YES	Negative	Negative	Negative	Negative	Equivocal	Equivocal	Positive	Negative
206	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Positive
210	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Positive	Negative
212	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative
227	YES	YES	Negative	Negative	NT	NT	Positive	Negative	NT	NT
235	YES	NO	Negative	Negative	Negative	Negative				
268	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative
284	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative
301	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Positive	Positive
311	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative
315	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative

Serum 3&4 poor cell count

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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
101	1	1	1	1	4-6	1	1	1		100	80
114	1	1	1	6	8	1	1	2			
149			4						85		
162				6	8		8	8		100	100
163	1	1	1	1	8	1	6	1		95	90
169	1	1	1	1	8	2	2	1		98	98
186	0	0	0	0	8	6	6	6		95	95
204										20	20
206	1	1	1	1	8	1	8	8		100	100
210	0	0	0	0	+++	0	+++	0		80	70
212									98	95	95
227										90	90
235	2	2	2	2					80		
268	1	1	1	1	8	1	1	1		90	90
284	1	1	1	1	8	1	1	1		98	95
301	1	1	1	6	1	1	8	8	90	95	85
311	1	1	1	1	8	1	1	1	100		
315	1	1	1	1	8	1	1	1		80	80