

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A07/2015 OS WB

DISPATCHED ON 14TH JULY 2015

HLA PHENOTYPE OF BLOOD DONOR: HLA-A2, A68; B44, B51; Cw5, Cw14; DR4, DR13; DQ6, DQ8

			Summary of Results							
			PBL/T-Cells				B-Cells			
Total tested	18	19	18	19	15	15	14	15		
Positive	1	2	0	1	9	14	2	14		
Negative	17	17	18	18	6	1	12	1		
NT/Equivocal	4	3	4	3	3	3	4	3		
% Positive	5.6%	10.5%	0.0%	5.3%	60.0%	93.3%	14.3%	93.3%		
% Negative	94.4%	89.5%	100.0%	94.7%	40.0%	6.7%	85.7%	6.7%		
Consensus	Negative	Negative	Negative	Negative	Not Assessed	Positive	Negative	Positive		
HLA Antibody Specificity (Defined By CDC)	Cw5, DR3	A10, B16	A1, B8, DR3	DQ3	Cw5, DR3	A10, B16	A1, B8, DR3	DQ3		
			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	Negative	Negative	Negative	Positive	Negative	Positive
114	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Positive
117	YES	NO	NT	NT	NT	NT				
136	YES	NO	Negative	Negative	Negative	Negative				
145	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Positive
149	YES	NO	Negative	Negative	Negative	Negative				
162	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative
163	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Positive
169	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Positive
186	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Positive	Positive
204	YES	YES	Equivocal	Negative	Negative	Positive	Positive	Positive	Positive	Positive
206	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT
210	YES	YES	Negative	Negative	Negative	Negative	NT	NT	NT	NT
212	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Positive
227	YES	YES	Negative	Negative	NT	Negative	Positive	Positive	NT	Positive
235	YES	NO	Positive	Positive	Negative	Negative				
243	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Positive
268	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Positive
284	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Positive
301	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT
311	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Positive
315	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Positive

Comments

No results reported as lymphocyte viability was unacceptable for testing.

The evaluation of B cells was very difficult due to low number of appropriate cells

Due to late delivery, B cells had low viability so we cannot evaluate B cells

Technical failure for serum 3

Serum 4 arrived haemolysed

Samples arrived during public holiday

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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	1	1	1	8	1	8		100	30
114	1	1	1	1	6	8	2	8			
117	NT	NT	NT	NT					20		
136	1	1	1	1					95		
145	-	-	-	-	6-8	6-8	-	6-8		100	100
149	-	-	-	-					85		
162	1	1	1	1	1	6	1	4		100	100
163	1	1	1	1	8	8	1	8		100	100
169	1	1	1	1	8	8	1	8		98	98
186	0	0	0	0	0	6	4	8	97	99	95
204	2	1	1	4	8	8	4	8		90	90
206	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
210	0	0	0	0	NT	NT	NT	NT		90	10
212									98	96	96
227	-	-	NT	-	8	8	NT	8		98	98
235	6	8	1	1					85		
243	1	1	2	1	6	8	1	6			
268	1	4	1	1	1	2	1	4		98	50
284	1	1	1	1	6	8	1	8		98	90
301	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
311	1	1	1	1	8	8	1	8		100	100
315	1	1	1	1	1	8	1	8		80	80

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			Summary of Results							
			PBL/T-Cells				B-Cells			
Total tested	16	16	15	16	13	13	12	13		
Positive	1	1	0	1	7	11	2	11		
Negative	15	15	15	15	6	2	10	2		
NT/Equivocal	2	2	3	2	3	3	4	3		
% Positive	6.3%	6.3%	0.0%	6.3%	53.8%	84.6%	16.7%	84.6%		
% Negative	93.8%	93.8%	100.0%	93.8%	46.2%	15.4%	83.3%	15.4%		
Consensus	Negative	Negative	Negative	Negative	Not Assessed	Positive	Negative	Positive		
HLA Antibody Specificity (Defined By CDC)	Cw5, DR3	A10, B16	A1, B8, DR3	DQ3	Cw5, DR3	A10, B16	A1, B8, DR3	DQ3		
			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	Negative	Positive	Negative	Positive
114	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Positive
149	YES	NO	Negative	Negative	Negative	Negative				
162	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative
163	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Positive
169	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Positive
186	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Positive	Positive
204	YES	YES	Negative	Negative	Negative	Positive	Positive	Positive	Positive	Positive
206	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT
210	YES	YES	Negative	Negative	Negative	Negative	NT	NT	NT	NT
212	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative
227	YES	YES	Negative	Negative	NT	Negative	Positive	Positive	NT	Positive
235	YES	NO	Positive	Positive	Negative	Negative				
268	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Positive
284	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Positive
301	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT
311	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Positive
315	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Positive

Comments

Due to late delivery, B cells had low viability so we cannot evaluate B cells

Technical failure for serum 3

Samples arrived during public holiday

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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
101	1	1	1	1	1	8	1	8		100	30
114	1	1	1	1	6	8	2	8			
149	-	-	-	-					85		
162	1	1	1	1	1	6	1	4		100	100
163	1	1	1	1	8	8	1	8		100	100
169	1	1	1	1	8	8	1	8		98	98
186	0	0	0	0	0	6	4	8	97	99	95
204	1	1	1	2	8	8	4	8		90	90
206	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
210	0	0	0	0	NT	NT	NT	NT		90	10
212									98	96	96
227	-	-	-	-	8	8	NT	8		98	98
235	6	8	1	1					85		
268	1	1	1	1	1	4	1	4		98	50
284	1	1	1	1	8	8	2	8		98	90
301	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
311	1	1	1	1	8	8	1	8		100	100
315	1	1	1	1	1	8	1	8		80	80