

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A08/2015 OS WB

DISPATCHED ON 14TH JULY 2015

HLA PHENOTYPE OF BLOOD DONOR: HLA-A29, A68; B14, B44; Cw8, Cw16; DR7, DR13; DQ2, DQ7

			Summary of Results								
			PBL/T-Cells				B-Cells				
Total tested	20	20	19	20	15	14	14	15			
Positive	1	0	1	0	1	10	6	3			
Negative	19	20	18	20	14	4	8	12			
NT/Equivocal	2	2	3	2	3	4	4	3			
% Positive	5.0%	0.0%	5.3%	0.0%	6.7%	71.4%	42.9%	20.0%			
% Negative	95.0%	100.0%	94.7%	100.0%	93.3%	28.6%	57.1%	80.0%			
Consensus	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Not Assessed</b>	<b>Not Assessed</b>	<b>Negative</b>			
HLA Antibody Specificity (Defined By CDC)	Cw5, DR3	DQ3	A10, B16	A1, B8, DR3	Cw5, DR3	DQ3	A10, B16	A1, B8, DR3			
Lab No.	PBL/T Cell Assessment	B Cell Assessment	Serum 1	Without DTT			Serum 1	Without DTT			Comments
				Serum 2	Serum 3	Serum 4		Serum 2	Serum 3	Serum 4	
101	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
114	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
117	YES	NO	Negative	Negative	Negative	Negative	Negative				
136	YES	NO	Negative	Negative	Negative	Negative	Negative				
145	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
149	YES	NO	Negative	Negative	Negative	Negative	Negative				
162	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	<b>Positive</b>
163	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Positive	Negative
169	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	NT	Positive	<b>Positive</b>
186	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Positive	Negative
204	YES	YES	Negative	Negative	Negative	Negative	Negative	<b>Positive</b>	Positive	Positive	<b>Positive</b>
206	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	NT
210	YES	YES	Negative	Negative	Negative	Negative	Negative	NT	NT	NT	NT
											Due to late delivery, B cells had low viability so we cannot evaluate B cells
212	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative
227	YES	YES	Negative	Negative	NT	Negative	Negative	Negative	Positive	NT	Negative
235	YES	NO	<b>Positive</b>	Negative	<b>Positive</b>	Negative	Negative				Technical failure for serum 3
243	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative
268	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
284	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Positive	Negative
301	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	NT
311	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Positive	Negative
315	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative

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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	4	1	1		100	30
114	1	1	1	1	1	6	1	1			
117	1	1	1	1					95		
136	1	1	1	1					95		
145	-	-	-	-	-	6-8	-	-		100	100
149	-	-	-	-					85		
162	1	1	1	1	1	1	1	1		100	100
163	1	1	1	1	8	8	1	8		100	100
169	1	1	1	1	1	NT	4	4		98	98
186	0	0	0	0	0	8	6	0	100	100	100
204	1	1	1	1	2	8	6	4		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	-	-	6	NT	-		98	98
235	6	1	8	1					85		
243	1	1	1	1	1	1	1	1	90	90	90
268	1	1	1	1	1	4	1	1		98	75
284	1	1	1	1	1	8	6	2		98	95
301	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
311	1	1	1	1	1	8	6	1		100	100
315	1	1	1	1	1	1	1	1		80	80

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HLA PHENOTYPE OF BLOOD DONOR: HLA-A29, A68; B14, B44; Cw8, Cw16; DR7, DR13; DQ2, DQ7

			Summary of Results							
			PBL/T-Cells				B-Cells			
Total tested			16	16	15	16	13	12	12	13
Positive			1	0	1	0	0	7	3	3
Negative			15	16	14	16	13	5	9	10
NT/Equivocal			2	2	3	2	3	4	4	3
% Positive			6.3%	0.0%	6.7%	0.0%	0.0%	58.3%	25.0%	23.1%
% Negative			93.8%	100.0%	93.3%	100.0%	100.0%	41.7%	75.0%	76.9%
<b>Consensus</b>			<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Not Assessed</b>	<b>Negative</b>	<b>Negative</b>
HLA Antibody Specificity (Defined By CDC)			Cw5, DR3	DQ3	A10, B16	A1, B8, DR3	Cw5, DR3	DQ3	A10, B16	A1, B8, DR3
			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	Negative	Negative	Negative
114	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative
149	YES	NO	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
162	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	<b>Positive</b>
163	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative
169	YES	YES	Negative	Negative	Negative	Negative	Negative	NT	Negative	<b>Positive</b>
186	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	<b>Positive</b>	Negative
204	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	<b>Positive</b>	<b>Positive</b>
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	Negative	Negative	NT	Negative
235	YES	NO	<b>Positive</b>	Negative	<b>Positive</b>	Negative	Negative	Positive	NT	Negative
268	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative
284	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	<b>Positive</b>	Negative
301	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT
311	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative
315	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative

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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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	1	4	1	1		100	30
114	1	1	1	1	1	6	1	1			
149	-	-	-	-					85		
162	1	1	1	1	1	1	1	1		100	100
163	1	1	1	1	1	8	1	1		100	100
169	1	1	1	1	1	NT	1	4		98	98
186	0	0	0	0	0	8	4	0	100	100	100
204	1	1	1	1	1	8	4	4		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	-	-	6	NT	-		98	98
235	6	1	8	1					85		
268	1	1	1	1	1	1	1	1		98	75
284	1	1	1	1	1	8	6	1		98	95
301	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
311	1	1	1	1	1	1	1	1		100	100
315	1	1	1	1	1	1	1	1		80	80