

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

PBLT-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A04/2015 OS PC

DESPATCHED ON 24TH MARCH 2015

HLA PHENOTYPE OF BLOOD DONOR: HLA-A1, A3; B8, B35; Cw4, Cw7; DR1, DR17; DQ2, DQ5

			Summary of Results							
			PBLT-Cells				B-Cells			
Total tested			29	30	29	30	23	23	23	22
Positive			13	1	3	5	23	0	4	5
Negative			16	29	26	25	0	23	19	17
NT/Equivocal			3	3	4	3	1	1	1	2
% Positive			44.8%	3.3%	10.3%	16.7%	100.0%	0.0%	17.4%	22.7%
% Negative			55.2%	96.7%	89.7%	83.3%	0.0%	100.0%	82.6%	77.3%
<b>Consensus</b>			<b>Not Assessed</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Positive</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>
HLA Antibody Specificity (Defined By CDC)			DQ1	DQ3	A2, B17	A9, DR15	DQ1	DQ3	A2, B17	A9, DR15
Lab No.	PBLT Cell Assessment	B Cell Assessment	Serum 1	Without DTT		Serum 4	Serum 1	Without DTT		Serum 4
				Serum 2	Serum 3			Serum 2	Serum 3	
112	YES	NO		Negative	Negative	Negative				
116	YES	NO	Positive	<b>Positive</b>	Negative	<b>Positive</b>				
119	YES	NO	Positive	Negative	<b>Equivocal</b>	<b>Positive</b>				
120	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	<b>Positive</b>
128	YES	NO	Positive	Negative	Negative	Negative				
139	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	<b>Positive</b>	<b>Positive</b>
143	YES	NO	Negative	Negative	Negative	Negative				
147	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	<b>Equivocal</b>
154	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative
157	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative
159	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative
174	YES	NO	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>				
181	YES	YES	Positive	Negative	<b>Positive</b>	<b>Positive</b>	Positive	Negative	<b>Positive</b>	<b>Positive</b>
189	YES	YES	Positive	Negative	<b>Positive</b>	<b>Positive</b>	Positive	Negative	<b>Positive</b>	<b>Positive</b>
190	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative
193	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative
194	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative
195	YES	YES	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>
197	YES	YES	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	Weak Positive	Negative	Negative	Negative
209	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative
216	YES	NO	Positive	Negative	Negative	Negative				
223	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative
229	YES	NO	Positive	Negative	Negative	Negative				
232	YES	NO	Positive	Negative	Negative	Negative				
238	YES	YES	Negative	Negative	<b>Positive</b>	<b>Positive</b>	Positive	Negative	<b>Positive</b>	<b>Positive</b>
245	YES	YES	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Negative
252	YES	YES	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Negative
259	YES	YES	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Negative
260	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative
262	YES	YES	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Negative
293	YES	YES	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Negative
294	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative
297	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative

Poor cell viability

No results returned  
Poor T cell viability

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

DESPATCHED ON 24TH MARCH 2015

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
112	6	-1	-2	-1					90		
116	6	6	1	4						90	
119	6	1	2	4	NT	NT	NT	NT	95		
120	1	1	1	1	8	1	1	2		100	100
128	4	1	1	1					80		
139	1	1	1	1	8	1	4	8	80	80	80
143	1	1	1	1						90	
147	1	1	1	1	8	1	1	2		100	100
154	1	1	1	1	8	1	1	1		95	95
157									100	100	100
159	1	1	1	1	8	1	1	1		100	100
174	NT	NT	NT	NT							
181	6	1	4	4	8	2	4	4	83		83
189	6	1	6	6	6	1	6	6	92	90	88
190	5%	5%	5%	5%	95%	10%	10%	15%		95	95
193	1	1	1	1	3	1	1	1		99	99
194	1	1	1	1	8	1	1	1	100	98	98
195											
197	NT	NT	NT	NT					80	40	70
209					8					95	90
216	6	1	2	2					90		
223	1	1	1	1	6	1	1	2		90	80
229	90%								90		
232	6+								80		
238	1	1	2	4	8	1	4	6	90	90	80
245	6	1	1	1	6	1	1	1	100	100	100
252	4-6	1	1-2	1	4-6	1	1-2	1	60		50
259									90	80	85
260					+++					90	90
262	4				8				100	100	100
293	8+				8+					70	60
294	0	0	0	0	4	0	0	0		95	95
297	1	1	1	1	8	1	1	1	80	80	80

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITH DTT OF SAMPLE 2A04/2015 OS PC

DESPATCHED ON 24TH MARCH 2015

HLA PHENOTYPE OF BLOOD DONOR: HLA-A1, A3; B8, B35; Cw4, Cw7; DR1, DR17; DQ2, DQ5

			Summary of Results							
			PBL/T-Cells				B-Cells			
Total tested			23	23	23	23	20	20	20	19
Positive			11	0	2	5	20	0	3	5
Negative			12	23	21	18	0	20	17	14
NT/Equivocal			4	4	4	4	2	2	2	3
% Positive			47.8%	0.0%	8.7%	21.7%	100.0%	0.0%	15.0%	26.3%
% Negative			52.2%	100.0%	91.3%	78.3%	0.0%	100.0%	85.0%	73.7%
<b>Consensus</b>			<b>Not Assessed</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Positive</b>	<b>Negative</b>	<b>Negative</b>	<b>Not Assessed</b>
HLA Antibody Specificity (Defined By CDC)			DQ1	DQ3	A2, B17	A9, DR15	DQ1	DQ3	A2, B17	A9, DR15
Lab No.	PBL/T Cell Assessment	B Cell Assessment	With DTT				With DTT			
			Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4
112	YES	NO	Positive	Negative	Negative	Negative				
116	YES	NO	Positive	Negative	Negative	<b>Positive</b>				
119	YES	NO	Positive	Negative	Negative	<b>Positive</b>				
120	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive
139	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Positive
147	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	<b>Equivocal</b>
154	YES	YES	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>
157	NO	YES					Positive	Negative	Negative	Negative
159	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative
174	YES	NO	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>				
181	YES	YES	Positive	Negative	<b>Positive</b>	<b>Positive</b>	Positive	Negative	<b>Positive</b>	Positive
189	YES	YES	Positive	Negative	<b>Positive</b>	<b>Positive</b>	Positive	Negative	<b>Positive</b>	Positive
190	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative
193	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative
194	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative
195	YES	YES	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>
197	YES	YES	<b>NT</b>	<b>NT</b>	<b>NT</b>	<b>NT</b>	Weak Positive	Negative	Negative	Negative
209	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative
216	YES	NO	Positive	Negative	Negative	Negative				
229	YES	NO	Positive	Negative	Negative	Negative				
238	YES	YES	Negative	Negative	Negative	<b>Positive</b>	Positive	Negative	<b>Positive</b>	Positive
245	YES	YES	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Negative
252	YES	YES	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Negative
260	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative
262	YES	YES	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Negative
293	YES	YES	Positive	Negative	Negative	Negative	Positive	Negative	Negative	Negative
294	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative
297	YES	YES	Negative	Negative	Negative	Negative	Positive	Negative	Negative	Negative

Low cell count

Poor cell viability

No results returned  
Poor T cell viability

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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
112	6	-1	-2	-1					90		
116	6	1	1	4						90	
119	4	1	1	2					95		
120	1	1	1	1	8	1	1	2		100	100
139	1	1	1	1	8	1	1	6	80	80	80
147	1	1	1	1	6	1	1	2		100	100
154	NT	NT	NT	NT	NT	NT	NT	NT		95	95
157									100	100	100
159	1	1	1	1	6	1	1	1		100	100
174	NT	NT	NT	NT							
181	6	1	4	4	8	2	4	4	83		83
189	6	1	6	6	6	1	6	6	92	90	88
190	5%	5%	5%	5%	90%	5%	5%	5%		95	95
193	1	1	1	1	4	1	1	1		99	99
194	1	1	1	1	8	1	1	1	100	98	98
195											
197	NT	NT	NT	NT					80	40	70
209					4					95	90
216	6	1	2	2					90		
229	90%								90		
238	1	1	1	4	8	1	4	6	90	90	80
245	6	1	1	1	6	1	1	1	100	100	100
252	4-6	1	1	1	4-6	1	1	1	60		50
260					+++					90	90
262	4				8				100	100	100
293	8+				8+					70	60
294	0	0	0	0	6	0	0	2		95	95
297	1	1	1	1	8	1	1	1	80	80	80