

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A01/2016 OS PC

DISPATCHED ON 02ND FEBRUARY 2016

HLA PHENOTYPE OF BLOOD DONOR: HLA-A2, A29; B41, B60; Cw10, Cw17; DR1, DR13; DQ5, DQ7

	Summary of Results							
	PBL/T-Cells				B-Cells			
Total tested	32	30	32	32	23	23	23	23
Positive	2	18	0	0	12	23	1	1
Negative	30	12	32	32	11	0	22	22
NT/Equivocal	1	3	1	1	2	2	2	2
% Positive	6.3%	60.0%	0.0%	0.0%	52.2%	100.0%	4.3%	4.3%
% Negative	93.8%	40.0%	100.0%	100.0%	47.8%	0.0%	95.7%	95.7%
Consensus	Negative	Not Assessed	Negative	Negative	Not Assessed	Positive	Negative	Negative
HLA Antibody Specificity	Cw4, Cw6	B8,B44,DR5,DR8 DR13	DR17+	B14+	Cw4, Cw6	B8,B44,DR5,DR8 DR13	DR17+	B14+

(Defined By CDC)

Lab No.	PBL/T Cell Assessment	B Cell Assessment	Without DTT				Without DTT				Comments
			Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4	
112	YES	NO	Negative	Positive	Negative	Negative					
119	YES	NO	Negative	Positive	Negative	Negative					
120	YES	YES	Negative	Weak Positive	Negative	Negative	Weak Positive	Positive	Negative	Negative	
128	YES	NO	Negative	Positive	Negative	Negative					
139	YES	YES	Negative	Negative	Negative	Negative	NT	NT	NT	NT	Low B-cell count
143	YES	NO	Negative	Weak Positive	Negative	Negative					
147	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
154	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Negative	
157	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
159	YES	YES	Negative	Equivocal	Negative	Negative	Positive	Positive	Negative	Negative	
169	YES	YES	Positive	Positive	Negative	Negative	Positive	Positive	Negative	Negative	
181	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
189	YES	NO	Positive	Positive	Negative	Negative					
190	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
193	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
194	YES	YES	Negative	Negative	Negative	Negative	Weak Positive	Positive	Negative	Negative	
195	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Negative	
197	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	No results returned
209	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
216	YES	NO	Negative	Positive	Negative	Negative					
223	YES	YES	Negative	Positive	Negative	Negative	Positive	Positive	Positive	Positive	
229	YES	YES	Negative	Positive	Negative	Negative					
232	YES	NO	Negative	Positive	Negative	Negative					
238	YES	YES	Negative	Equivocal	Negative	Negative	Positive	Positive	Negative	Negative	
245	YES	YES	Negative	Positive	Negative	Negative	Positive	Positive	Negative	Negative	
252	YES	YES	Negative	Positive	Negative	Negative	Positive	Positive	Negative	Negative	
259	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
260	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
262	YES	YES	Negative	Positive	Negative	Negative	Positive	Positive	Negative	Negative	
292	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Negative	
293	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
294	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
297	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	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
112	-1	4	-1	-1					95		
119	1	4	1	1					95		
120	1	2	1	1	2	8	1	1		100	100
128	1	4	1	1					95		
139	1	1	1	1	NT	NT	NT	NT	90	90	
143	1	4	1	1						98	
147	1	2	1	1	1	8	1	1		98	95
154	1	1	1	1	2	6	1	1	95		
157	1	1	1	1	1	6	1	1	100	100	100
159	1	2	1	1	4	8	2	2		100	80
169	2	6	1	1	2	8	1	1		90	98
181	1	2	1	1	1	8	1	1		100	100
189	2	4	1	1					97		
190	5%	5%	5%	5%	5%	100%	5%	5%		95	95
193	1	2	1	1	1	8	1	1		100	97
194	1	2	1	1	4	8	1	1	100	99	85
195	1	1	1	1	8	8	1	1	90		90
197											
209		2				8			90		50
216	2	4	2	2					80		
223	2	6	1	2	6	8	4	4		90	90
229		2							90		
232		4							80		
238	1	2	1	1	4	8	1	1		95	90
245	1	4	1	1	6	8	1	1	100	100	100
252	1	2-4	1	1	4	4-6	1	1	60		50
259									10	15	15
260		+++				++++				90	90
262		4			6	8			85		
292					6	8				90	90
293		4				8				80	80
294	0	2	0	0	2	8	2	0		100	100
297	1	2	1	1	2	6	2	1	90	90	90

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HLA PHENOTYPE OF BLOOD DONOR: HLA-A2, A29; B41, B60; Cw10, Cw17; DR1, DR13; DQ5, DQ7

	Summary of Results							
	PBL/T-Cells				B-Cells			
Total tested	26	24	26	26	20	20	20	20
Positive	2	10	0	0	1	20	0	0
Negative	24	14	26	26	19	0	20	20
NT/Equivocal	1	3	1	1	2	2	2	2
% Positive	7.7%	41.7%	0.0%	0.0%	5.0%	100.0%	0.0%	0.0%
% Negative	92.3%	58.3%	100.0%	100.0%	95.0%	0.0%	100.0%	100.0%
Consensus	Negative	Not Assessed	Negative	Negative	Negative	Positive	Negative	Negative
HLA Antibody Specificity (Defined By CDC)	Cw4, Cw6	B8,B44,DR5,DR8 DR13	DR17+	B14+	Cw4, Cw6	B8,B44,DR5,DR8 DR13	DR17+	B14+

Lab	PBL/T Cell	B Cell	With DTT				With DTT				
			Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4	
112	YES	NO	Negative	Positive	Negative	Negative					
119	YES	NO	Negative	Negative	Negative	Negative					
120	YES	YES	Negative	Weak Positive	Negative	Negative	Negative	Positive	Negative	Negative	
139	YES	YES	Negative	Negative	Negative	Negative	NT	NT	NT	NT	Low B-cell count
143	YES	NO	Negative	Negative	Negative	Negative					
147	YES	YES	Negative	Negative	Negative	Negative					
157	NO	YES					Negative	Positive	Negative	Negative	
159	YES	YES	Negative	Equivocal	Negative	Negative	Negative	Positive	Negative	Negative	
169	YES	YES	Positive	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
181	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
189	YES	NO	Positive	Positive	Negative	Negative					
190	YES	YES	Negative	Negative	Negative	Negative					
193	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
194	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
195	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
197	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	No results returned
209	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
216	YES	NO	Negative	Positive	Negative	Negative					
229	YES	NO	Negative	Positive	Negative	Negative					
238	YES	YES	Negative	Equivocal	Negative	Negative	Negative	Positive	Negative	Negative	
245	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
252	YES	YES	Negative	Positive	Negative	Negative	Positive	Positive	Negative	Negative	
260	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
262	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
292	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
293	YES	YES	Negative	Positive	Negative	Negative	Negative	Positive	Negative	Negative	
294	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
297	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	

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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	-1	4	-1	-1					95		
119	1	1	1	1					95		
120	1	2	1	1	1	8	1	1		100	100
139	1	1	1	1	NT	NT	NT	NT	90	90	
143	1	1	1	1						98	
147	1	1	1	1	1	8	1	1		98	95
157					1	8	1	1	100	100	100
159	1	2	1	1	1	8	1	1		100	80
169	2	6	1	1	1	8	1	1		90	98
181	1	2	1	1	1	8	1	1		100	100
189	2	4	1	1					97		
190	5%	5%	5%	5%	5%	100%	5%	5%		95	95
193	1	2	1	1	1	8	1	1		100	97
194	1	1	1	1	1	8	1	1	100	99	85
195	1	1	1	1	1	8	1	1	90		90
197											
209						8			90		50
216	2	4	2	2					80		
229		20%							90		
238	1	2	1	1	1	8	1	1		95	90
245	1	4	1	1	1	8	1	1	100	100	100
252	1	2-4	1	1	4	4-6	1	1	60		50
260		+++				++++				90	90
262						8			85		
292						8				90	90
293		4				8				80	80
294	0	0	0	0	0	8	0	0		100	100
297	1	1	1	1	1	6	1	1	90	90	90