

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A09/2016 OS PC

DISPATCHED ON 20TH SEPTEMBER 2016

HLA PHENOTYPE OF BLOOD DONOR: HLA-A1, A68; B8, B44; Cw5, Cw7; DR4, DR8; DQ4, DQ7

Summary of Results											
PBL/T-Cells				B-Cells							
Total tested	29	28	28	29	22	21	22	21			
Positive	2	4	2	1	3	21	1	2			
Negative	27	24	26	28	19	0	21	19			
NT/Equivocal	7	8	8	7	6	7	6	7			
% Positive	6.9%	14.3%	7.1%	3.4%	13.6%	100.0%	4.5%	9.5%			
% Negative	93.1%	85.7%	92.9%	96.6%	86.4%	0.0%	95.5%	90.5%			
Consensus	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative			
HLA Antibody Specificity (Defined By CDC)	(B21 B62)+	DR1	A2	Cw4	(B21 B62)+	DR1	A2	Cw4			
			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	Comments
112	YES	NO	Negative	Negative	Negative	Negative					
119	YES	NO	Negative	Positive	Equivocal	Negative					
120	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
128	YES	NO	NT	NT	NT	NT					
133	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
139	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
143	YES	NO	Negative	Negative	Negative	Negative					
147	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
154	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Positive	
157	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
159	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
169	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
181	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Equivocal	
189	YES	NO	Negative	Negative	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	Negative	Positive	Negative	Negative	
195	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Excessive cell mortality
197	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Poor cell viability
209	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
216	YES	NO	NT	NT	NT	NT					Poor cell viability
223	YES	YES	Negative	Negative	Negative	Negative	NT	NT	NT	NT	Low B-cell viability
229	YES	NO									
232	YES	NO	Positive	Positive	Positive	Positive					
235	YES	NO	Negative	Positive	Negative	Negative					
238	YES	YES	Negative	Negative	Positive	Negative	Negative	Equivocal	Positive	Negative	
245	YES	YES	Negative	Equivocal	Negative	Negative	Positive	Positive	Negative	Negative	
252	YES	YES	Weak Positive	Positive	Negative	Negative	Positive	Positive	Negative	Negative	
259	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	
260	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	
262	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Positive	
292	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
293	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
294	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
297	YES	YES	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Negative	
321	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
351	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Low cell count and viability

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A09/2016 OS PC

DISPATCHED ON 20TH SEPTEMBER 2016

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	1	1	1					85		
119	1	4	2	1					95		
120	1	1	1	1	1	6	1	1		100	100
128	NT	NT	NT	NT					50		
133	0	0	0	0	0	100	0	0		100	80
139	1	1	1	1	1	6	1	1			
143	1	1	1	1						90	
147	1	1	1	1	1	8	1	1		90	50
154	1	1	1	1	1	8	1	2	90		
157	1	1	1	1	1	6	1	1	100	100	100
159	1	1	1	1	1	8	1	1		99	99
169	1	1	1	1	1	8	1	1		97	97
181	1	1/2	1	1	1/2	8	1	2/4	98	97	90
189	1	1	1	2	1	1	1	2	90		
190	1%	1%	1%	1%	1%	100%	1%	1%		99	99
193	1	1	1	1	1	6	1	2	99	98	99
194	1	1	1	1	1	8	1	1	95		
195	NT	NT	NT	NT	NT	NT	NT	NT		30	0
197	NT	NT	NT	NT	NT	NT	NT	NT	30	20	20
209	1	1	1	1	1	8	1	1	50		50
216	NT	NT	NT	NT						0	0
223	1	2	2	2	NT	NT	NT	NT		95	<80
229											
232	6+	6+	6+	6+					80		
235	1	4	1	1					85		
238	1	1	8	1	1	0	8	1	85	85	70
245	1	4 PBL/1 T cell	1	1	4	8	1	1	100	100	100
252	2-4	4	1	1-2	4	6	1-2	1	80		60
259	NT	NT	NT	NT	NT	NT	NT	NT	60	60	60
260	NT	NT	NT	NT	NT	NT	NT	NT		0	50
262	1	1	1	1	1	8	1	4	97		
292						8				30	40
293						4+				30	30
294	0	0	0	0	0	6	0	0		98	98
297	1	1	1	1	4	8	1	1	80	80	80
321	1	1	1	1	1	2	1	1		90	90
351	NT	NT	NT	NT	NT	NT	NT	NT			

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A09/2016 OS PC

DISPATCHED ON 20TH SEPTEMBER 2016

Lab No.	Summary of Results															
	PBL				PBL Without DTT				T-Cells				T-Cells Without DTT			
	Without DTT				Serum 1	Serum 2	Serum 3	Serum 4	Without DTT				Serum 1	Serum 2	Serum 3	Serum 4
	Serum 1	Serum 2	Serum 3	Serum 4	reaction strength	reaction strength	reaction strength	reaction strength	Serum 1	Serum 2	Serum 3	Serum 4	reaction strength	reaction strength	reaction strength	reaction strength
112	Negative	Negative	Negative	Negative	1	1	1	1								
119	Negative	Positive	Equivocal	Negative	1	4	2	1								
147									Negative	Negative	Negative	Negative	1	1	1	1
154									Negative	Negative	Negative	Negative	1	1	1	1
189	Negative	Negative	Negative	Negative	1	1	1	2								
193	Negative	Negative	Negative	Negative	1	2	1	1	Negative	Negative	Negative	Negative	1	1	1	1
232	Positive	Positive	Positive	Positive	6+	6+	6+	6+								

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITH DTT OF SAMPLE 2A09/2016 OS PC

DISPATCHED ON 20TH SEPTEMBER 2016

HLA PHENOTYPE OF BLOOD DONOR: HLA-A1, A68; B8, B44; Cw5, Cw7; DR4, DR8; DQ4, DQ7

			Summary of Results								
			PBL/T-Cells				B-Cells				
Total tested			25	24	25	25	21	20	21	21	
Positive			1	2	1	0	2	20	1	0	
Negative			24	22	24	25	19	0	20	21	
NT/Equivocal			4	5	4	4	3	4	3	3	
% Positive			4.0%	8.3%	4.0%	0.0%	9.5%	100.0%	4.8%	0.0%	
% Negative			96.0%	91.7%	96.0%	100.0%	90.5%	0.0%	95.2%	100.0%	
Consensus			Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
HLA Antibody Specificity (Defined By CDC)			(B21 B62)+	DR1	A2	Cw4	(B21 B62)+	DR1	A2	Cw4	
Lab No.	PBL/T Cell Assessment	B Cell Assessment	With DTT				With DTT				Comments
			Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4	
112	YES	NO	Negative	Negative	Negative	Negative					
119	YES	NO	Negative	Negative	Negative	Negative					
120	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
133	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
139	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
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	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
169	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
181	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
189	YES	NO	Negative	Negative	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	Negative	Positive	Negative	Negative	
195	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Excessive cell mortality
197	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	Poor cell viability
209	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	
216	YES	NO	NT	NT	NT	NT					Poor cell viability
229	YES	NO									
235	YES	NO	Negative	Positive	Negative	Negative					
238	YES	YES	Negative	Negative	Positive	Negative	Negative	Equivocal	Positive	Positive	Equivocal due to high mortality of B-cells
245	YES	YES	Negative	Equivocal	Negative	Negative	Positive	Positive	Negative	Negative	For serum 2, result is equivocal because there is a discrepancy between positive result on PBL cells and negative result on T cells.
252	YES	YES	Weak Positive	Positive	Negative	Negative	Positive	Positive	Negative	Negative	
260	YES	YES	NT	NT	NT	NT	NT	NT	NT	NT	
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	Negative	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	
321	YES	YES	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Negative	

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITH DTT OF SAMPLE 2A09/2016 OS PC

DISPATCHED ON 20TH SEPTEMBER 2016

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	1	2	1					85		
119	1	1	1	1					95		
120	1	1	1	1	1	4	1	1		100	100
133	0	0	0	0	0	100	0	0		100	80
139	1	1	1	1	1	6	1	1			
143	1	1	1	1						90	
147	1	1	1	1	1	8	1	1		90	50
157					1	8	1	1	100	100	100
159	1	1	1	1	1	8	1	1		99	99
169	1	1	1	1	1	8	1	1		97	97
181	1	1/2	1	1	1	8	1	1	98	97	90
189	1	1	1	2	1	1	1	2	90		
190	1%	1%	1%	1%	1%	100%	1%	1%		99	99
193	1	1	1	1	1	8	1	1	99	98	99
194	1	1	1	1	1	8	1	1	95		
195	NT	NT	NT	NT	NT	NT	NT	NT		30	0
197	NT	NT	NT	NT	NT	NT	NT	NT	30	20	20
209	1	1	1	1	1	8	1	1	50		50
216	NT	NT	NT	NT						0	0
229											
235	1	4	1	1					85		
238	1	1	8	1	1	0	8	1	85	85	70
245	1	4 PBL/1 Tcell	1	1	4	8	1	1	100	100	100
252	2-4	4	1	1	4	6	1-2	1	80		60
260	NT	NT	NT	NT	NT	NT	NT	NT		0	50
262	1	1	1	1	1	8	1	1	97		
292						8				30	40
293						4+				30	30
294	0	0	0	0	0	8	0	0		98	98
297	1	1	1	1	1	8	1	1	80	80	80
321	1	1	1	1	1	4	1	1		90	90

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITH DTT OF SAMPLE 2A09/2016 OS PC

DISPATCHED ON 20TH SEPTEMBER 2016

Lab No.	Summary of Results															
	PBL				PBL With DTT				T-Cells				T-Cells With DTT			
	With DTT				Serum 1	Serum 2	Serum 3	Serum 4	With DTT				Serum 1	Serum 2	Serum 3	Serum 4
	Serum 1	Serum 2	Serum 3	Serum 4	reaction strength	reaction strength	reaction strength	reaction strength	Serum 1	Serum 2	Serum 3	Serum 4	reaction strength	reaction strength	reaction strength	reaction strength
112	Negative	Negative	Negative	Negative	1	1	1	1								
119	Negative	Negative	Negative	Negative	1	1	1	1								
147									Negative	Negative	Negative	Negative	1	1	1	1
189	Negative	Negative	Negative	Negative	1	1	1	2								
193	Negative	Negative	Negative	Negative	1	2	1	1	Negative	Negative	Negative	Negative	1	1	1	1