

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A02/2017 OS

DESPATCHED ON 31ST JANUARY 2017

HLA PHENOTYPE OF BLOOD DONOR: HLA-A2, A68; B50, B53; Cw4, Cw6; DR13, DR-; DQ6, DQ-

				Summary of Results												
				PBL				T-Cells				B-Cells				
Total tested	14	14	14	12	37	38	38	38	32	34	33	33				
Positive	0	2	6	1	2	2	4	2	2	3	32	4				
Negative	14	12	8	11	35	36	34	36	30	31	1	29				
NT/Equival	1	1	1	3	1	0	0	0	8	6	6	6				
% Positive	0.0%	14.3%	42.9%	8.3%	5.4%	5.3%	10.5%	5.3%	6.3%	8.8%	97.0%	12.1%				
% Negative	100.0%	85.7%	57.1%	91.7%	94.6%	94.7%	89.5%	94.7%	93.8%	91.2%	3.0%	87.9%				
Consensus	Negative	Negative	Not Assessed	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative				
HLA Antibody Specificity (Defined By CDC)	?Bw6	B44, Cw5, DR4	A10, B16, DQ1	A3	?Bw6	B44, Cw5, DR4	A10, B16, DQ1	A3	?Bw6	B44, Cw5, DR4	A10, B16, DQ1	A3				
				Without DTT				Without DTT				Without DTT				
Lab No.	PBL Assessment	T Cell Assessment	B Cell Assessment	Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4	Serum 1	Serum 2	Serum 3	Serum 4	Comments
101	YES	YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
112	YES			Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Cell viability of 70% at the moment of arrival, cell viability changes to 90% after treatment with Percoll 40%
114		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
116		YES	YES					Positive	Negative	Positive	Negative	Positive	Positive	Positive	Negative	
119	YES			Negative	Negative	Positive	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
120		YES	YES					Negative	Negative	Positive	Negative	Negative	Negative	Positive	Negative	
128	YES			Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
133	YES	YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
139	YES	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	NT	NT	NT	NT	B cell: insufficient concentration for interpretation
143		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
145	YES	YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
147	YES	YES	YES	Negative	Negative	Positive	Equivocal	Negative	Negative	Negative	Negative	Negative	Negative	Equivocal	Equivocal	Positive reactions with sera 3 and 4 in negative controls used
154	YES	YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
157	YES	YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
159	YES	YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
162	YES	YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
163	YES	YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
169	YES	YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
181	YES	YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
186	YES	YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
189	YES			Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Poor number of B cells
190		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Positive	Positive	Not enough cells (aggregates)
193	YES	YES	YES	NT	NT	NT	NT	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
194		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
195	YES	YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	B cells viability <70%, if it was a deceased donor or alive donor we couldn't give a result for crossmatch B cells
197	YES	YES	YES	Negative	Positive	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
204	YES	YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	B cells viability is very low (40%). Reaction strength (B cell) were not reported. B cells results with DTT were impossible to analyse.
206	YES	YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
209	YES	YES	YES					Negative	Positive	Positive	Positive	NT	NT	NT	NT	- 2 equivocal results depending on the operator - No B cells testing because of technical problem
216	YES			Negative	Positive	Negative	Equivocal									We could not perform T and B cell testing because we will not be able to dissolve cell pellet
223		YES	YES					Negative	Negative	Negative	Negative	NT	NT	NT	NT	Due to low viability the results for B-cells can not be evaluated.
227		YES	YES					Negative	Negative	Negative	Negative	NT	Negative	Positive	Negative	Serum 1 on T cells and B cells was not tested because of technical failure
229	YES															No results returned
232	YES			Negative	Negative	Negative	Negative									
235	YES			Negative	Negative	Positive	Negative									
238	YES	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
239	YES	YES	YES	Negative	Negative	Positive	Positive	Negative	Negative	Positive	Positive	Negative	Negative	Positive	Positive	% 0-25 : (+) % 25-50 : (++) % 50-75 : (+++) % 75-100: (++++)
245	YES	YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
252	YES	YES	YES	Negative	Negative	Positive	Negative									
259	YES															No results returned
260		YES	YES													
262		YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Equivocal	Equivocal	Positive	Negative	
268	YES	YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
284	YES	YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	T cell crossmatch with serum 3 : low reactivity strength 4 with anti-globulin test Low viability for B cell
292		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
293		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
294		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
297	YES	YES	YES	Negative	Negative	Equivocal	Negative	Negative	Negative	Negative	Negative	NT	NT	NT	NT	Failure with B cell sorting
321	YES	YES	YES					Negative	Negative	Negative	Negative	NT	NT	NT	NT	Insufficient viability of B lymphocytes (<50%): no results returned. Viability of T lymphocytes 70% (i.e. limit value according to our procedures): results returned under reserves
351	YES	YES	YES					Positive	Positive	Positive	Positive	Negative	Negative	Positive	Positive	- SERUM TREATMENT WAS DONE BY HEAT INACTIVATION NOT WITH DTT - PBL Cell (TOTAL CELL) CXM NOT APPLICABLE - NUMBER OF B CELLS WERE LOW

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PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A02/2017 OS

DESPATCHED ON 31ST JANUARY 2017

Lab No.	PBL without DTT				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	Serum 1 reaction strength	Serum 2 reaction strength	Serum 3 reaction strength	Serum 4 reaction strength	PBL	T-cells	B-cells
101															
112	1	1	1	1									70		
114					1	1	1	1	1	1	8	1			
116					1-2	1	1-2	1	1-6	2-8	6-8	1-2		99	90
119	1	1	4	1									95		
120					1	1	2	1	1	1	8	1		100	100
128	1	1	1	1									98	nt	nt
133					neg	neg	neg	neg	neg	neg	%100	neg	65	70	50
139	1	1	1	1	1	1	1	1	NT	NT	NT	NT	80	80	70
143					1	1	1	1					NA	> 90%	NA
145					-	-	-	-	-	-	-	-	100	100	100
147	1	1	4	2	1	1	1	1	1	1	8	6	100	100	95
154					1	1	1	1	1	1	2	1	99	99	99
157					1	1	1	1	1	6	1	1	100	100	100
159					1	1	1	1	1	1	8	1	99	99	99
162					-	-	-	-	-	-	8 1:4	-	N/A	95	95
163					1	1	1	1	1	1	8	1	95	95	95
169					1	1	1	1	1	2	8	2	98	98	98
181					1	1	1	1	1	1	6	1	95	95	95
186					0	0	0	0	0	0	8	0	99	99	99
189	1	1	1	1									88		
190					0.05	0.05	0.05	0.05	0.5	0.15	1	0.8	95	85	85
193	NT	NT	NT	NT	1	1	1	1	1	1	8	1	N/T	100	90
194					-	-	-	-	-	-	-	-			
195					2	2	2	2	2/4	2/4	8	2/4	70		60
197	-	Weak	-	-	-	Weak	-	-	-	-	Strong	-	90	70	80
204					2	1	2	1	-	-	-	-	85	40	40
206					1	1	1	1	1	1	8	1	90	80	80
209					1	2	4	2	NT	NT	NT	NT	75	75	75
216	1	4	1	2									90		
223					2	2	2	4	NT	NT	NT	NT	80	50	50
227					-	-	-	-	-	-	8	-	90	90	90
229															
232					0	0	0	0						0.7	
235	2	2	6	2									80		
238	1	1	1	1	1	1	1	1	1	1	8	1	0.95	0.95	0.5
239	-	-	+++	+++	-	-	+++	+++	-	-	++++	++++	90	90	90
245	1	1	4	1	1	1	1	1	1	1	8	1	100	100	100
252	1	1	6	1					1	1	6	1	65		55
259															
260					0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	8 (++++)	0 (-)		%70	%70
262	1	1	1	1	1	1	1	1	1	1	8	1	73	NT	NT
268					1	1	1	1	1	1	8	1	98	98	98
284					1	1	1	1	1	1	8	1	90	80	80
292					-	-	-	-	-	-	6	-	85	30	30
293					0	0	0	0	0	0	8+	0	70	70	70
294					0	0	0	0	2	0	8	0	100	80	80
297	1	1	2-4	1	1	1	1	1	NT	NT	NT	NT	75	75	NT
321					1	1	1	1	NT	NT	NT	NT	70	50	50
351					4	4	4	4	2	2	8	6	0.9	0.9	0.8

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HLA PHENOTYPE OF BLOOD DONOR: HLA-A2, A68; B50, B53; Cw4, Cw6; DR13, DR-; DQ6, DQ-

				Summary of Results												
				PBL				T-Cells				B-Cells				
Total tested	12	12	12	11	32	33	33	33	28	29	30	30				
Positive	0	2	6	0	0	1	1	0	1	2	29	1				
Negative	12	10	6	11	32	32	32	33	27	27	1	29				
NT/Equivocal	1	1	1	2	2	1	1	1	8	7	6	6				
% Positive	0.0%	16.7%	50.0%	0.0%	0.0%	3.0%	3.0%	0.0%	3.6%	6.9%	96.7%	3.3%				
% Negative	100.0%	83.3%	50.0%	100.0%	100.0%	97.0%	97.0%	100.0%	96.4%	93.1%	3.3%	96.7%				
Consensus	Negative	Negative	Not Assessed	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative				
HLA Antibody Specificity (Defined By CDC)	?Bw6	B44, Cw5, DR4	A10, B16, DQ1	A3	?Bw6	B44, Cw5, DR4	A10, B16, DQ1	A3	?Bw6	B44, Cw5, DR4	A10, B16, DQ1	A3				
Lab No.	PBL Assessment	T Cell Assessment	B Cell Assessment	With DTT				With DTT				With DTT				Comments
				Serum 1	Serum 2	Serum 3	Serum 4	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	Negative	Negative	Positive	Negative	Cell viability of 70% at the moment of arrival, cell viability changes to 90% after treatment with Percoll 40%
112	YES	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
114		YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
116		YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
119	YES	YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
120		YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
133		YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
139	YES	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
143		YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	B cell: insufficient concentration for interpretation
147	YES	YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
157		YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
159		YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
162		YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
163		YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
169		YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
181		YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
186		YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
189	YES	YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
190		YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Poor number of B cells
193	YES	YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Not enough cells (aggregates)
194		YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
195		YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	B cells viability <70%, if it was a deceased donor or alive donor we couldn't give a result for crossmatch B cells
197	YES	YES	YES	Negative	Positive	Positive	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Positive	Negative	
204		YES	YES	Negative	Positive	Positive	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Positive	Negative	B cells viability is very low (40%). Reaction strength (B cell) were not reported. B cells results with DTT were impossible to analyse.
206		YES	YES	Negative	Positive	Positive	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Positive	Negative	
209		YES	YES	Negative	Positive	Positive	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Positive	Negative	- 2 equivocal results depending on the operator
216	YES	YES	YES	Negative	Positive	Negative	Equivocal	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	We could not perform T and B cell testing because we will not be able to dissolve cell pellet
227		YES	YES	Negative	Positive	Negative	Equivocal	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Serum 1 on T cells and B cells was not tested because of technical failure
229	YES	YES	YES	Negative	Positive	Negative	Equivocal	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	No results returned
235	YES	YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
238	YES	YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
245	YES	YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
252	YES	YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
260		YES	YES	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
262	YES	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
268		YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
284		YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	T cell crossmatch with serum 3 : low reactivity strength 4 with anti-globulin test
292		YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Low viability for B cell
293		YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
294		YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
297		YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
321		YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Failure with B cell sorting
351	YES	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Positive	Insufficient viability of B lymphocytes (<50%): no results returned. Viability of T lymphocytes 70% (i.e. limit value according to our procedures): results returned under reserves

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DESPATCHED ON 31ST JANUARY 2017

Lab No.	PBL with DTT				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	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	1	8	1	70		
112	2	1	2	1											
114					1	1	1	1	1	1	8	1			
116					1	1	1	1	4-6	6-8	6-8	1-2		99	90
119	1	1	4	1									95		
120					1	1	2	1	1	1	8	1		100	100
133					neg	neg	neg	neg	neg	neg	%100	neg	65	70	50
139	1	1	1	1	1	1	1	1	NT	NT	NT	NT	80	80	70
143					NT	NT	NT	NT					NA	> 90%	NA
147	1	1	4	1	1	1	1	1	1	1	8	1	100	100	95
157									1	4	1	1	100	100	100
159					1	1	1	1	1	1	8	1		99	99
162					-	-	-	-	-	-	8 1:4	-	N/A	95	95
163					1	1	1	1	1	1	8	1		95	95
169					1	1	1	1	1	1	8	2		98	98
181					1	1	1	1	1	1	6	1		95	95
186					0	0	0	0	0	0	8	0		99	99
189	1	1	1	1									88		
190					0.05	0.05	0.05	0.05						95	85
193	NT	NT	NT	NT	1	1	1	1	1	1	8	1	N/T	100	90
194					-	-	-	-	-	-	-	-			
195					2	2	2	2	2/4	2/4	8	2/4	70		60
197	-	Weak	-	-	-	Weak	-	-	-	-	Strong	-	90	70	80
204					2	1	2	1	-	-	-	-		85	40
206					1	1	1	1	1	1	8	1		90	80
209					1	1	1-2	1-2	-	-	-	-		75	75
216	1	4	1	2									90		
227					-	-	-	-	-	-	8	-		90	90
229															
235	2	2	6	2									80		
238	1	1	1	1	1	1	1	1	1	1	8	1	0.95	0.95	0.5
245	1	1	4	1	1	1	1	1	1	1	8	1	100	100	100
252	1	1	6	1					1	1	6	1	65		55
260					0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	0 (-)	8 (++++)	0 (-)		%70	%70
262	1	1	1	1	1	1	1	1			8	1	73	NT	NT
268					1	1	1	1	1	1	8	1		98	98
284					1	1	1	1	1	1	8	1		90	80
292					-	-	-	-	-	-	6	-		85	30
293					0	0	0	0	0	0	8+	0	70	70	70
294					0	0	2	0	2	2	8	0		100	80
297	1	1	2-4	1	1	1	1	1	NT	NT	NT	NT	75	75	NT
321					1	1	1	1	NT	NT	NT	NT		70	50
351					2	2	2	2	2	2	8	6	0.9	0.9	0.8