

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A03/2018

DESPATCHED ON 05 JUNE 2018

HLA PHENOTYPE OF BLOOD DONOR: HLA-A2, A31; B37, B51; Cw6, Cw-; DR7, DR14; DQ2, DQ5

				Summary of Results												
				PBL				T-Cells				B-Cells				
Total tested	13	13	13	13	21	21	21	21	19	20	20	19				
Positive	1	0	0	3	0	1	0	0	2	9	0	18				
Negative	12	13	13	10	21	20	21	21	17	11	20	1				
NT	0	0	0	0	3	3	3	3	6	5	5	6				
% Positive	7.7%	0.0%	0.0%	23.1%	0.0%	4.8%	0.0%	0.0%	10.5%	45.0%	0.0%	94.7%				
% Negative	92.3%	100.0%	100.0%	76.9%	100.0%	95.2%	100.0%	100.0%	89.5%	55.0%	100.0%	5.3%				
<b>Consensus</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Not Assessed</b>	<b>Negative</b>	<b>Positive</b>				
HLA Antibody Specificity (Defined By CDC)	B7, B27, Cw+	B7	B12, B21	DR52	B7, B27, Cw+	B7	B12, B21	DR52	B7, B27, Cw+	B7	B12, B21	DR52				
				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
112	YES			Negative	Negative	Negative	Positive									
119	YES			Negative	Negative	Negative	Negative									
120		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
128	YES															No results returned
133		YES	YES					Negative	Negative	Negative	Negative	Negative	Positive	Negative	Positive	
139	YES	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Positive	
143		YES						Negative	Negative	Negative	Negative	Negative	Positive	Negative	Positive	
147	YES	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	1-2 => Negative 4=> Weak 6=> Strong 8=> Very Strong
154		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Not enough cells to test with DTT
157	YES			Negative	Negative	Negative	Negative									
159		YES	YES					Negative	Negative	Negative	Negative	Negative	Positive	Negative	Positive	
163		YES	YES					Negative	Negative	Negative	Negative	Negative	Positive	Negative	Positive	
169		YES	YES					Negative	Positive	Negative	Negative	Negative	Positive	Negative	Positive	
189	YES			Positive	Negative	Negative	Negative									Serum 4 tested but uninterpretable result
190		YES	YES					Negative	Negative	Negative	Negative	Negative	Positive	Negative	NT	
193		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
194		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
195		YES	YES					NT	NT	NT	NT	NT	NT	NT	NT	Sample not received on time.
197		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
209		YES	YES					Negative	Negative	Negative	Negative	Negative	Positive	Negative	Positive	
216	YES		YES	Negative	Negative	Negative	Negative					NT	NT	NT	NT	Technical issue isolating B cells.
229	YES			Negative	Negative	Negative	Negative									
232		YES	YES					NT	NT	NT	NT	NT	NT	NT	NT	The samples arrived in the laboratory 1 week after sent date. Lymphocytes non-viable
235	YES			Negative	Negative	Negative	Negative									The samples arrived in the laboratory 1 week after sent date. Lymphocytes non-viable
238	YES	YES	YES	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	NT	Positive	Negative	Positive	Surprising result with serum 3: DR14 MFI >10000 NT because of B cells high mortality the reading with serum 1 is equivocal
		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	% 0-10 POSITIVE : SCORE 1 % 11-20 POSITIVE : SCORE 2 % 21-50 POSITIVE : SCORE 4 % 51-80 POSITIVE : SCORE 6 % 81-100 POSITIVE : SCORE 8
239	YES			Negative	Negative	Negative	Positive									
245	YES	YES	YES	Negative	Negative	Negative	Positive	Negative	Negative	Negative	Negative	Negative	Positive	Negative	Positive	
252	YES			Negative	Negative	Negative	Negative					Negative	Negative	Negative	Positive	
260		YES	YES					Negative	Negative	Negative	Negative	Negative	Positive	Negative	Positive	
292		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
293		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
294		YES	YES					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
297		YES	YES					NT	NT	NT	NT	NT	NT	NT	NT	We have a high level of cellular mortality with B cells Very high cellular mortality.

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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
112	1	2	2	4									90		
119	1	1	1	2									95		
120					1	1	1	1	1	1	1	4		100	100
133					2	2	2	2	2	2	6	8	90	90	90
139	1	1	1	1	1	1	1	1	1	1	6	8	80	80	80
143					1	1	1	1	1	1	1	1		82.7	
147	1	1	1	1	1	1	1	1	1	1	1	4	99	99	90
154					1	1	1	1	1	1	1	4		90	90
157	1	1	1	1									95		
159					1	1	1	1	1	1	2	8		80	70
163					1	1	1	1	1	4	6	6		90	80
169					1	6	1	1	1	1	1	4		97	96
189	4	2	1	1									85		
190					5	5	5	5	5	5	30	5		100	100
193					1	1	1	1	1	1	1	8		99	99
194					1	1	1	1	1	1	1	4	95		
197													90	90	90
209					1	1	1	1	1	2	2	8		<10	<10
216	1	1	1	1									95		
229													90		
235	1	1	1	1									80		
238	1	1	1	2	1	1	1	1	1		1	8	95	95	50
239				6								8	96	96	96
245	1	1	1	2	1	1	1	1	1	1	2	8	100	100	100
252	1	1	1	1						1	1	4	70		60
260					-	-	-	-	-	-	++	++++		90	90
292					1	1	1	1	1	1	1	4		70	30
293					0	0	0	0	0	0	0	0		80	80
294					0	0	0	0	0					100	

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PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITH DTT OF SAMPLE 2A03/2018

DESPATCHED ON 05 JUNE 2018

HLA PHENOTYPE OF BLOOD DONOR: HLA-A2, A31; B37, B51; Cw6, Cw-; DR7, DR14; DQ2, DQ5

					Summary of Results												
					PBL				T-Cells				B-Cells				
					13	13	13	13	20	20	20	20	18	19	19	18	
					1	0	0	2	0	1	0	0	0	1	1	15	
					12	13	13	11	20	19	20	20	18	18	18	3	
					0	0	0	0	2	2	2	2	5	4	4	5	
					7.7%	0.0%	0.0%	15.4%	0.0%	5.0%	0.0%	0.0%	0.0%	5.3%	5.3%	83.3%	
					92.3%	100.0%	100.0%	84.6%	100.0%	95.0%	100.0%	100.0%	100.0%	94.7%	94.7%	16.7%	
<b>Consensus</b>					<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Negative</b>	<b>Positive</b>	
HLA Antibody Specificity (Defined By CDC)					B7, B27, Cw+	B7	B12, B21	DR52	B7, B27, Cw+	B7	B12, B21	DR52	B7, B27, Cw+	B7	B12, B21	DR52	
					With DTT				With DTT				With 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
112	YES				Negative	Negative	Negative	<b>Positive</b>									
119	YES				Negative	Negative	Negative	Negative									
120		YES	YES						Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
133		YES	YES						Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
139	YES	YES	YES		Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
143		YES							Negative	Negative	Negative	Negative					
147	YES	YES	YES		Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	<b>Negative</b>	1-2 => Negative 4=> Weak 6=> Strong
157	YES				Negative	Negative	Negative	Negative									
159		YES	YES						Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
163		YES	YES						Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
169		YES	YES						Negative	Negative	Negative	Negative	Negative	Negative	Negative	<b>Negative</b>	
189	YES				<b>Positive</b>	Negative	Negative	Negative									
190		YES	YES						Negative	Negative	Negative	Negative	Negative	Negative	Negative	NT	Serum 4 tested but uninterpretable
193		YES	YES						Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
194		YES	YES						Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
195		YES	YES						NT	NT	NT	NT	NT	NT	NT	NT	Sample not received on time.
197		YES	YES						Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
209		YES	YES						Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
216	YES		YES		Negative	Negative	Negative	Negative					NT	NT	NT	NT	Technical issue isolating B cells.
229	YES				Negative	Negative	Negative	Negative									
235	YES				Negative	Negative	Negative	Negative									
238	YES	YES	YES		Negative	Negative	Negative	Negative	Negative	<b>Positive</b>	Negative	Negative	NT	Negative	Negative	Positive	The samples arrived in the laboratory 1
245	YES	YES	YES		Negative	Negative	Negative	<b>Positive</b>	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Surprising result with serum 3: DR14
252	YES		YES		Negative	Negative	Negative	Negative					Negative	Negative	Negative	Positive	
260		YES	YES						Negative	Negative	Negative	Negative	Negative	<b>Positive</b>	Negative	Positive	
	YES	YES	YES		Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	<b>Positive</b>	Positive	S3 : possible prozone effect because diluted serum is more positive than undiluted
262																	
292		YES	YES						Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	
293		YES	YES						Negative	Negative	Negative	Negative	Negative	Negative	Negative	<b>Negative</b>	
294		YES	YES						Negative	Negative	Negative	Negative	NT	NT	NT	NT	We have a high level of cellular
297	YES	YES	YES						NT	NT	NT	NT	NT	NT	NT	NT	Very high cellular mortality.

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112	1	2	2	4									90		
119	1	1	1	1									95		
120					1	1	1	1	1	1	1	4		100	100
133					2	2	2	2	2	2	2	8	90	90	90
139	1	1	1	1	1	1	1	1	1	1	1	8	80	80	80
143					1	1	1	1	1	1	1			82.7	
147	1	1	1	1	1	1	1	1	1	1	1	1	99	99	90
157	1	1	1	1									95		
159					1	1	1	1	1	1	1	8		80	70
163					1	1	1	1	1	1	1	6		90	80
169					1	1	1	1	1	1	1	1		97	96
189	4	2	1	1									85		
190					5	5	5	5	5	5	5			100	100
193					1	1	1	1	1	1	1	8		99	99
194					1	1	1	1	1	1	1	4	95		
197													90	90	90
209					1	1	1	1	1	1	1	6		<10	<10
216	1	1	1	1									95		
229													90		
235	1	1	1	1									80		
238	1	1	1	2	1	1	1	1		1	1	8	95	95	50
245	1	1	1	2	1	1	1	1	1	1	1	8	100	100	100
252	1	1	1	1									70		60
260					-	-	-	-	-	++	-	++		90	90
262	1	1	1	1	1	1	1	1	1	1	4	8	100	100	100
292					1	1	1	1	1	1	1	4		70	30
293					0	0	0	0	0	0	0	0		80	80
294					0	0	0	0						100	
297														30	30