

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

PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A05/2017 WB

DESPATCHED ON 23 MAY 2017

HLA PHENOTYPE OF BLOOD DONOR: HLA-A1, A31; B8, B60; Cw7, Cw10; DR4, DR17; DQ2, DQ8

					Summary of Results												
					PBL				T-Cells				B-Cells				
					9	10	10	11	20	19	19	20	16	13	16	13	
					0	1	4	0	0	1	0	0	2	8	14	6	
					9	9	6	11	20	18	19	20	14	5	2	7	
					2	1	1	0	1	2	2	1	6	9	6	7	
					0.0%	10.0%	40.0%	0.0%	0.0%	5.3%	0.0%	0.0%	12.5%	61.5%	87.5%	46.2%	
					100.0%	90.0%	60.0%	100.0%	100.0%	94.7%	100.0%	100.0%	87.5%	38.5%	12.5%	53.8%	
Consensus					Negative	Negative	Not Assessed	Negative	Negative	Negative	Negative	Negative	Negative	Not Assessed	Positive	Not Assessed	
HLA Antibody Specificity defined By CDC)					A3	DR5 DR6 DQ6	DQ3	A32 B44 DR7	A3	DR5 DR6 DQ6	DQ3	A32 B44 DR7	A3	DR5 DR6 DQ6	DQ3	A32 B44 DR7	
					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
9	YES	YES	YES		Negative	Negative	Positive	Negative	Negative	Negative	Equivocal	Negative	Negative	Equivocal	Positive	Equivocal	
11	YES	YES	YES		Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Positive	
12		YES	YES		Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	NT	NT	NT	NT	Unable to carry out B cell crossmatch due to product recall by supplier. Scored using the International Histocompatibility workshop scoring system.
14	YES	YES	YES						Negative	Negative	Negative	Negative	Negative	Positive	Positive	Positive	
15																	B cell testing not possible due to Dynabead product recall
20	YES	YES	YES		Negative	Negative	Positive	Negative					NT	NT	NT	NT	
23		YES	YES						Negative	Negative	Negative	Negative	Negative	Positive	Positive	Positive	B cell viability <20%, not happy to report crossmatch B cell results
24		YES	YES						Negative	Negative	Negative	Negative	Positive	Positive	Positive	Positive	
25		YES	YES						Negative	Negative	Negative	Negative	Negative	Negative	Equivocal	Negative	
28		YES	YES						Negative	Negative	Negative	Negative	NT	NT	NT	NT	
34		YES	YES						Negative	Negative	Negative	Negative	Negative	Positive	Positive	Negative	
35	YES	YES			Negative	Positive	Positive	Negative	Negative	Negative	Negative	Negative					
					Negative	Negative	Positive	Negative	NT	NT	NT	NT	NT	NT	NT	NT	T cell test did not pass minimum internal QC requirements. B cell viability less than 20%. B cells were separated with Class II Dynabeads product code 21003 Lot 00461955. The Dynabeads are the subject of a product recall.
38	YES	YES	YES														
39		YES	YES						Negative	Negative	Negative	Negative	NT	NT	NT	NT	Too few B cells to report despite giving a good yield after inspection
41		YES	YES						Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
42	YES		YES		Negative	Negative	Negative	Negative					Negative	Equivocal	Positive	Positive	Insufficient B cells to repeat test. B cells could not be properly tested due to the toxic effects of using contaminated B cell dynabeads. Serum 3 was clearly positive.
45		YES	YES						Negative	Positive	Negative	Negative	NT	NT	Positive	NT	
51		YES	YES		Negative	Equivocal	Equivocal	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Positive	Negative	
54		YES	YES						Negative	Negative	Negative	Negative	Positive	Positive	Positive	Positive	
58		YES	YES						Negative	Equivocal	Negative	Negative	Negative	Equivocal	Positive	Negative	
117	YES				Equivocal	Negative	Negative	Negative									
136		YES							Negative	Negative	Negative	Negative					
149	YES				Equivocal	Negative	Negative	Negative									
205	YES		YES		Negative	Negative	Negative	Negative					Negative	Positive	Negative	Negative	
212		YES	YES						Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
311		YES	YES						Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
315		YES	YES						Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	

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PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITHOUT DTT OF SAMPLE 2A05/2017 WB

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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
9			4								4		95	95	95
11										4	8	6	85	90	85
12	1	1	1	1	1	1	1	1	1	1	1	1	95	98	NT
14					0	0	0	0	0	6	8	6		95	90
15															
20	1	1	3	1									90		
23					1	1	1	1	1	4	8	4		90	90
24					20%	10%	10%	10%	50%	60%	100%	70%		90	90
25					1	1	1	1	1	1		1		99	90
28					1	1	1	1	1					95	<20
34					1	1	1	1	1	2	8	1		98	70
35	1	2	2	1	1	1	1	1	1				90	80	
38	1	1	4	1									96	95	10
39														98	
41					17	17	19	20	4	23	98	15	NT	85	85
42	<10%	~10%	~10%	<10%					~10%	~20%	>80	20-40%	85		80
45					1%	2/4	1%	1%			8%			95	40
51	0	1	1	0	0	0	0	0	0	6	8	0	95	90	80
54					11-20%	11-20%	11-20%	11-20%	41-50%	81-90%	91-100%	61-70%		90	90
58					5	10	5	5	10	20	100	10		95	95
117		1	1	1									83		
136					1	1	1	1						98	
149													82		
205		25-50%								75-100%			90		90
212														100	100
311					1	1	1	1	1	1	6	1		90	90
315					1	1	1	1	1	1	8	1		90	90

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PBL/T-CELL AND B-CELL CROSSMATCHING RESULTS WITH DTT OF SAMPLE 2A05/2017 WB

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					Summary of Results												
					PBL				T-Cells				B-Cells				
					9	9	9	10	18	18	17	18	14	11	14	12	
					0	2	2	0	0	0	1	0	0	4	12	5	
					9	7	7	10	18	18	16	18	14	7	2	7	
					1	1	1	0	1	1	2	1	7	10	7	9	
					0.0%	22.2%	22.2%	0.0%	0.0%	0.0%	5.9%	0.0%	0.0%	36.4%	85.7%	41.7%	
					100.0%	77.8%	77.8%	100.0%	100.0%	100.0%	94.1%	100.0%	100.0%	63.6%	14.3%	58.3%	
					Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Not Assessed	Positive	Not Assessed	
					A3	DR5 DR6 DQ6	DQ3	A32 B44 DR7	A3	DR5 DR6 DQ6	DQ3	A32 B44 DR7	A3	DR5 DR6 DQ6	DQ3	A32 B44 DR7	
					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
9	YES	YES	YES		Negative	Negative	Positive	Negative	Negative	Negative	Equivocal	Negative	Negative	Equivocal	Positive	Equivocal	
11	YES	YES	YES		Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Positive	
12	YES	YES	YES		Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	NT	NT	NT	NT	Unable to carry out B cell crossmatch due to product recall by supplier. Scored using the International Histocompatibility workshop scoring system.
14		YES	YES						Negative	Negative	Negative	Negative	Negative	Negative	Positive	Positive	
15		YES	YES						Negative	Negative	Positive	Negative	NT	NT	NT	NT	Class II Dynabeads recalled hence B cell not tested. Serum 4 hemolyzed
20	YES		YES		Negative	Negative	Negative	Negative					NT	NT	NT	NT	B cell testing not possible due to Dynabead product recall
23																	
24		YES	YES						Negative	Negative	Negative	Negative	Negative	Positive	Positive	Positive	
25		YES	YES						Negative	Negative	Negative	Negative	Negative	Negative	Equivocal	Negative	
28		YES	YES						Negative	Negative	Negative	Negative	NT	NT	NT	NT	B cell viability <20%, not happy to report crossmatch B cell results
34		YES	YES						Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
35	YES	YES			Negative	Positive	Positive	Negative	Negative	Negative	Negative	Negative					
38	YES	YES	YES		Negative	Negative	Negative	Negative	NT	NT	NT	NT	NT	NT	NT	NT	T cell test did not pass minimum internal QC requirements. B cell viability less than 20%. B cells were separated with Class II Dynabeads product code 21003 Lot 00461955. The Dynabeads are the subject of a product recall.
39		YES	YES						Negative	Negative	Negative	Negative	NT	NT	NT	NT	Too few B cells to report despite giving a good yield after inspection
41		YES	YES						Negative	Negative	Negative	Negative	Negative	Negative	Positive	Positive	
42	YES		YES		Negative	Negative	Negative	Negative					Negative	Equivocal	Positive	Positive	Insufficient B cells to repeat test
45		YES	YES						Negative	Negative	Negative	Negative	NT	NT	Positive	NT	B cells could not be properly tested due to the toxic effects of using contaminated B cell dynabeads. Serum 3 was clearly positive.
51		YES	YES		Negative	Equivocal	Equivocal	Negative	Negative	Negative	Negative	Negative	Negative	Positive	Positive	Negative	
54																	
58		YES	YES						Negative	Negative	Negative	Negative	Negative	Equivocal	Positive	Equivocal	
117																	
136																	
149	YES				Equivocal	Negative	Negative	Negative									
205	YES		YES		Negative	Positive	Negative	Negative					Negative	Positive	Negative	Negative	
212		YES	YES						Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	
311		YES	YES						Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	
315		YES	YES						Negative	Negative	Negative	Negative	Negative	Negative	Positive	Negative	

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DESPATCHED ON 23 MAY 2017

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	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
9			4								4		95	95	95
11										4	8	6	85	90	85
12	1	1	1	1	1	1	1	1	1	1	1	1	95	98	NT
14					0	0	0	0	0	0	8	2		95	90
15							4		NT	NT	NT	NT		90	
20	1	1	1	1									90		
23														90	90
24					20%	20%	20%	20%	30%	50%	100%	40%	NT	90	90
25					1	1	1	1	1	1		1		99	90
28					1	1	1	1							
34					1	1	1	1	1	1	8	1		98	70
35	1	2	2	1	1	1	1	1					90	80	
38	1	1	1	1									96	95	10
39														98	
41															
42	<10&	<10%	~10%	<10%					~10%	~20%	>80%	20-40%	85		80
45					1	1	1	1			8			95	40
51	0	1	1	0	0	0	0	0	0	4	8	0	95	90	80
54															
58					5	5	5-10	5	5	15	100	40		95	95
117															
136														98%	
149													82		
205		25-50%								75-100%			90		90
212															
311					1	1	1	1	1	1	6	1		90	90
315					1	1	1	1	1	1	8	1		90	90