

# SERUM EXCHANGE #592 MAY 8, 2024

Sera	1367 - 1371
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The results for **Serum Exchange 592 (sera 1367 - 1371)**, are summarized in Tables 1 – 5 and individual laboratory results by method are listed in

Tables 6 - 16.

1367	method	#labs	A1	B44	B45	B82	B8201	B76	A23	A24	Cw2	Cw5	Cw6	Cw17	Cw18	Cw15	B46	B72	B62	B49	B50	B71
class I	C1q	1	no consensus																			
	PRA	4	75%	75%	75%	50%		25%	75%	75%	25%	25%	25%	25%	25%	25%	25%	75%	50%	75%	25%	25%
	SAB	24	100%	100%	100%	100%	13%	96%	100%	92%	96%	96%	76%	96%	96%	92%	83%	83%	75%	71%	75%	42%
1367	method	#labs	B52	B56	A30	A36	A74	A3	A31	B51	Cw4	Cw403	B41	A80	B15	B75	Bw4	Bw6	Cw9	A9	B12	B21
			25%	25%	25%	50%	25%	25%	25%	25%												
	SAB	24	38%	33%	25%	4%	4%	13%	4%		33%	13%	25%	21%	17%	13%	13%	13%	13%	8%	8%	8%
1367	method	#labs	B47	B60	B70	Cw16	A32	B35	B40	B4005	B48	B55	B58	B63	B73	B77	Cw1	Cw3	Cw7	Cw8		
	SAB	24	8%	8%	8%	8%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
1367	method	#labs	DR11	DR12	DR5	DR13	DR14	DR1403	DR1404	DR6	DR17	DR18	DR3	DR8	DR52							
class II	PRA	4	75%	75%		75%	75%				75%	75%		75%	75%							
	SAB	24	100%	96%	8%	100%	92%	21%	17%	8%	92%	92%	13%	100%	83%							
1367	method	#labs	DR15	DR16	DR2	DR51	DQ2	DQ4	DQ5	DQ6	DQ1	DQ3	DQ7	DQA1*05	DQA1*01	DQA1*03	DQA1*04					
	PRA	4	25%	50%		25%	25%															
	SAB	24	75%	67%	8%		8%	25%	21%	21%	4%	8%	4%	21%	17%	13%	4%					

**Serum 1367.** Strong class I reactivity was detected in this sample. C1q, PRA, and SAB all reported anti-A1 (9588), -B44 (18562), -B45 (16432), -B76 (19873), and -B82 (17280) reactivity. Each was reported by > 90% of SAB labs. Reactivity to A23 (8252), A24 (6635), as well as reactivity to C-locus specificities (Cw2, Cw5, Cw6, Cw17, Cw18, and Cw15) was also reported by > 90%. Allele specific A\*24:02 and B\*82:01 reactivity was reported by 3 labs.

Weak class II reactivity was reported in this sample, with PRA and SAB labs reporting reactivity to DR11 (3800), DR12 (2436), DR13 (3917), DR14 (3390), DR17 (3144), DR18 (3208), and DR8 (2734). Each was reported by > 90% of SAB labs. In addition, 3 labs reported allele specific DRB3\*01:01 and DRB3\*03:01 reactivity.

\*(median MFI by SAB)

1368	method	#labs	B44	B45	B76	B82	B8201	B41	B47	B49	B50	B60	B61	B13	B62	B72	B18	B35	B48	B53	B78	B7801	B51
class I	C1q	1	no consensus																				
	PRA	4	75%	75%	25%	50%		50%	50%	75%	75%	50%	50%	50%	50%	50%	50%	25%	25%	50%	25%		50%
	SAB	25	100%	100%	96%	100%	12%	96%	96%	96%	96%	92%	92%	76%	60%	60%	56%	48%	44%	44%	40%	8%	36%

  

1368	method	#labs	B75	B77	Cw10	A30	B38	B39	B3901	Cw17	B15	B40	B4005	B59	B12	B21	Bw4	Bw6	A1	B12C	B70	Cw8
	PRA	4	25%	25%	25%	25%																
	SAB	25	32%	28%			60%	32%	12%	32%	16%	16%	16%	12%	8%	8%	8%	8%	4%	4%	4%	4%

1368	method	#labs	DR13	DR14	DR1403	DR1404	DR17	DR18	DR3	DR11	DR12	DR8	DR52	DQ6	DQ4	DR51	DR5	DR6	DQA1*01
class II	PRA	4	75%	75%			75%	75%		75%	50%	50%	75%	25%	25%	25%			
	SAB	24	100%	100%	17%	17%	96%	92%	17%	100%	100%	100%	92%	54%			8%	8%	4%

**Serum 1368.** For this sample, strong anti-B44 (13839), -B45 (16021), and – B76 (10082) reactivity was reported by C1q, PRA, and SAB. In addition, PRA and SAB labs reported reactivity to a number of 5C and 7C specificities, including reactivity to B82 (10330), B41 (2579), B47 (1909), B49 (2701), B50 (2477), B60 (2319), and B61 (2245). Each was reported by > 90% of SAB labs. Allele specific B\*40:05 (4925) reactivity was reported by 4 labs.

Class II reactivity was also detected in this sample, with PRA and SAB reporting reactivity to DR13 (9124), DR14 (6965), DR17 (7021), DR18 (7143), DR11 (6627), DR12 (2073), DR8 (5767), and DR52 (1488). Each was reported by > 90% of SAB labs. Allele specific DRB1\*14:03 (3617) and DRB1\*14:04 (2474) reactivity was also reported by several labs.

\*(median MFI by SAB)

1369	method	#labs	A23	A24	A2403	B41	B42	B7	B703	B8	B60	B81	B8101	B48	B75	B71	B40	Bw6	A2	A9	B15	Cw5	B18	B44	B45	B82	Bw4
class I	C1q	1	NT																								
	PRA	4	75%	75%		50%	50%	75%		50%	75%	75%		75%	25%	25%											
	SAB	25	100%	100%	40%	100%	100%	100%	20%	100%	96%	96%	24%	84%	48%		16%	12%	8%	8%	8%	8%	4%	4%	4%	4%	4%

1369	method	#labs	DQ2	DQ7	DQ8	DQ9	DQ3	DR4	DR9	DR53	DR7	DR17	DR18	DR3	DR52	DR51
class II	PRA	4	50%	75%	75%	75%		50%	75%	75%	75%	75%	75%		25%	25%
	SAB	24	100%	96%	100%	100%	17%	100%	100%	96%	96%	83%	79%	17%	71%	21%

1369	method	#labs	DQA1*03	DQA1*06	DQA1*05	DQA1*02	DQA1*04	DPw6	DP14	DP9	DPw3	DP17	DP20	DR14	DR1403
	PRA	4													
	SAB	24	42%	29%	25%	13%	13%	17%	8%	8%	8%	4%	4%	4%	4%

**Serum 1369.** Anti-A23 (4344), -A24 (4010), -B41 (2446), -B42 (3408), -B7 (4018), -B8 (4526), -B60 (3445), and -B81 (3786) reactivity was detected in this sample by PRA and SAB. Each was reported by > 90% of SAB labs. Allele specific A\*24:03 (1649), B\*81:01 (1894), and B\*07:03 (1702) reactivity was also reported by labs.

Reactivity to a number of DQ and DR specificities was reported in this sample by PRA and SAB, including reactivity to DQ2 (10709), DQ7 (6107), DQ8 (6170), DQ9 (6211), DR4 (9856), DR9 (5016), DR53 (2764), and DR7 (3953). In addition, SAB reported anti-DQA1\*02 (3651), -DQA1\*03 (3269), -DQA1\*04 (4177), -DQA1\*05 (11201), and -DQA1\*06 (5600) reactivity.

\*(median MFI by SAB)

1370	method	#labs	B35	B49	B50	B51	B52	B53	B18	B57	B58	B78	B7801	B62	B63	B75	B77	B72	B71	B13	B46	B41	B56	B59			
class I	C1q	1	NT																								
	PRA	4	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%		75%	75%	75%	75%	75%	75%	75%	50%	50%	50%	50%			
	SAB	25	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	12%	96%	96%	96%	96%	96%	92%	96%	96%	100%	100%	100%			
1370	method	#labs	B64	B65	B38	B45	B44	B60	B61	B76	A33	B47	B37	B8	Cw10	A25	A32	Cw9	B48	Cw18	Cw2	A68	A45	B39	B3901	A23	
	PRA	4	75%	75%	25%	50%	50%	50%	75%	25%	50%	50%	50%	50%	25%	25%	25%	25%	25%	25%	25%	25%	25%				
	SAB	25	96%	92%	96%	96%	92%	88%	84%	88%	84%	84%	80%	80%	76%	68%	68%	68%	60%	24%				56%	12%	24%	
1370	method	#labs	Bw4	Cw3	B14	B15	B40	B4005	Bw6	Cw6	A24	A19	B12	B16	B17	B21	B22	B5	B5C	B70	B8C	A10	B12C	B54	B7C	Cw17	
	SAB	25	24%	24%	20%	16%	16%	16%	16%	16%	12%	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%	4%	4%	4%	4%	4%
1370	method	#labs	DR7	DR9	DR53	DQ2	DPA1*01	DPA1*02	DPw1	DQ5	DR10	DQ3	DQ8	DQA1*05	DQA1*02	DQA1*03	DQA1*04										
class II	PRA	4	75%	75%	25%	50%	25%																				
	SAB	24	100%	100%	88%	79%		4%	8%	8%	8%	4%	4%	17%	4%	4%	4%										

**Serum 1370.** This sample was broadly reactive to a number of 5C and 7C specificities, including reactivity to B35 (9693), B49 (9923), B50 (7110), B51 (10265), B13 (3195), B46 (3064), B41 (3474), and B56 (6036). Each was reported by > 90% of SAB labs, along with anti-B38 (2492), -B64 (4054), -B65 (3474), -B44 (2499), and -B45 (3127) reactivity. In addition, allele specific

A\*33:01 reactivity was reported by 3 labs.

For class II, anti-DR7 (12439) and -DR9 (4562) reactivity was reported by PRA and SAB. Each was reported by > 90% of SAB labs. Reactivity to DR53 (2113) and DQ2 (3024) was also detected by PRA and SAB,

\*(median MFI by SAB)

1371	method	#labs	Cw18	Cw5	Cw6	Cw15	B35	B53	B65	B64	B78	B7801	B51	B18	Cw2	Cw4	Cw403	Cw17	Cw8
class I	C1q	1	NT																
	PRA	4	25%	25%	25%	25%	75%	50%	75%	75%	50%		25%	50%	25%	25%		25%	
	SAB	25	100%	100%	100%	96%	96%	96%	92%	88%	88%	16%	88%	72%	88%	88%	12%	84%	36%

  

1371	method	#labs	A24	A23	B14	B39	Cw16	B5	B75	Bw4	Bw6	A2	A32	A80	A9	B57	B63	B71	B8
	PRA	4	25%																
	SAB	25	20%	16%	16%	12%	12%	8%	8%	8%	8%	4%	4%	4%	4%	4%	4%	4%	4%

1371	method	#labs	DR11	DR12	DR5	DR13	DR14	DR6	DR1404	DR1403	DR52	DR8	DR103	DR16	DR17	DR18	DR3
class II	PRA	4	75%	75%		75%	75%				75%	75%	50%	50%	75%	75%	
	SAB	24	100%	100%	8%	100%	100%	8%	21%	17%	100%	100%	96%	96%	96%	92%	17%

  

1371	method	#labs	DR51	DR4	DQ7	DQ2	DQ4	DQ9	DQ3	DQA1*04	DQA1*05	DQA1*06	DQ6	DR1	DR2	DPA1*05
class II	PRA	4	50%	25%	50%	25%	25%									
	SAB	24	92%	83%	71%	33%	29%	8%	13%	71%	67%	50%	13%	8%	8%	4%

**Serum 1371.** Reactivity to a number of C-locus specificities (Cw18, Cw5, Cw6, Cw15) was reported in this sample. Respective MFI for each was 6084, 8250, 4968, and 5274. Each was reported by > 90% of SAB labs, along with anti- B35 (4873), -B53 (3682), and -B65 (3581) reactivity.

Strong anti-DR11 (14489), -DR12 (11344), -DR13 (15790), -DR14 (13232), -DR103 (11233), -DR17 (11299), and -DR18 (11778) reactivity was

detected in this sample by SAB and PRA. Each was reported by > 90% of SAB labs, along with reactivity to DR51 (4795), DR52 (4308), and DR16 (2641). In addition, strong DQA1\*05 (9500) reactivity was reported by SAB. Allele specific DRB1\*04:02 and DRB5\*01:01 reactivity was also reported by several labs.

\*(median MFI by SAB)

**NEXT MAILING DATE: October 2, 2024**

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**Table 1. Summary of the 592<sup>nd</sup> Serum Exchange (Serum #1367-1371) by C1q - class I**

Method: Luminex - C1q														
<b>*** Serum 1367 ***</b>			<b>*** Serum 1368 ***</b>			<b>*** Serum 1369 ***</b>			<b>*** Serum 1370 ***</b>			<b>*** Serum 1371 ***</b>		
1 typing Lab			1 typing Lab			1 typing Lab			1 typing Lab			1 typing Lab		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
No consensus			No consensus			NT			NT			NT		

**Table 2. Summary of the 592<sup>nd</sup> Serum Exchange (Serum #1367-1371) by PRA - class I**

Method: Luminex - PRA														
*** Serum 1367 ***			*** Serum 1368 ***			*** Serum 1369 ***			*** Serum 1370 ***			*** Serum 1371 ***		
4 typing Labs			4 typing Labs			4 typing Labs			4 typing Labs			4 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
A1	75%	100%	B44	75%	100%	A23	75%	100%	B13	75%	100%	B35	75%	100%
A23	75%	100%	B45	75%	100%	A24	75%	100%	B18	75%	100%	B64	75%	100%
A24	75%	100%	B49	75%	100%	B48	75%	100%	B35	75%	100%	B65	75%	100%
B44	75%	100%	B50	75%	100%	B60	75%	100%	B49	75%	100%	B18	50%	100%
B45	75%	100%	B13	50%	100%	B7	75%	100%	B50	75%	100%	B53	50%	100%
B49	75%	100%	B18	50%	100%	B81	75%	100%	B51	75%	100%	B78	50%	100%
B72	75%	100%	B41	50%	100%	B41	50%	100%	B52	75%	100%	A24	25%	100%
A36	50%	100%	B47	50%	100%	B42	50%	100%	B53	75%	100%	B51	25%	100%
B62	50%	100%	B51	50%	100%	B8	50%	100%	B57	75%	100%	Cw15	25%	100%
B82	50%	100%	B53	50%	100%	B71	25%	100%	B58	75%	100%	Cw17	25%	100%
A3	25%	100%	B60	50%	100%	B75	25%	100%	B61	75%	100%	Cw18	25%	100%
A30	25%	100%	B61	50%	100%				B62	75%	100%	Cw2	25%	100%
A31	25%	100%	B62	50%	100%				B63	75%	100%	Cw4	25%	100%
A74	25%	100%	B72	50%	100%				B64	75%	100%	Cw5	25%	100%
B46	25%	100%	B82	50%	100%				B65	75%	100%	Cw6	25%	100%
B50	25%	100%	A30	25%	100%				B71	75%	100%			
B51	25%	100%	B35	25%	100%				B72	75%	100%			
B52	25%	100%	B48	25%	100%				B75	75%	100%			
B56	25%	100%	B75	25%	100%				B77	75%	100%			
B71	25%	100%	B76	25%	100%				B78	75%	100%			
B76	25%	100%	B77	25%	100%				A33	50%	100%			
Cw15	25%	100%	B78	25%	100%				B37	50%	100%			
Cw17	25%	100%	Cw10	25%	100%				B41	50%	100%			
Cw18	25%	100%							B44	50%	100%			
Cw2	25%	100%							B45	50%	100%			
Cw5	25%	100%							B46	50%	100%			
Cw6	25%	100%							B47	50%	100%			
									B56	50%	100%			
									B59	50%	100%			
									B60	50%	100%			
									B8	50%	100%			
									A25	25%	100%			
									A29	25%	100%			
									A32	25%	100%			
									A34	25%	100%			

**Table 3. Summary of the 592<sup>nd</sup> Serum Exchange (Serum #1367-1371) by Single Antigen - class I**

Method: Luminex - SAB														
*** Serum 1367 ***			*** Serum 1368 ***			*** Serum 1369 ***			*** Serum 1370 ***			*** Serum 1371 ***		
24 typing Labs			25 typing Labs			25 typing Labs			25 typing Labs			25 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
A1	100%	100%	B44	100%	100%	A23	100%	100%	B18	100%	100%	Cw18	100%	100%
A23	100%	100%	B45	100%	100%	A24	100%	100%	B35	100%	100%	Cw5	100%	100%
B44	100%	100%	B82	100%	100%	B41	100%	100%	B41	100%	100%	Cw6	100%	100%
B45	100%	100%	B41	96%	100%	B42	100%	100%	B49	100%	100%	B35	96%	100%
B82	100%	100%	B47	96%	100%	B7	100%	100%	B50	100%	100%	B53	96%	100%
B76	96%	100%	B49	96%	100%	B8	100%	100%	B51	100%	100%	Cw15	96%	100%
Cw17	96%	100%	B50	96%	100%	B60	96%	100%	B52	100%	100%	B65	92%	100%
Cw18	96%	100%	B76	96%	100%	B81	96%	100%	B53	100%	100%	B51	88%	100%
Cw2	96%	100%	B60	92%	100%	B48	84%	100%	B56	100%	100%	B64	88%	100%
Cw5	96%	100%	B61	92%	100%	B75	48%	100%	B57	100%	100%	B78	88%	100%
A24	92%	100%	B13	76%	100%	A2403	40%	100%	B58	100%	100%	Cw2	88%	100%
Cw15	92%	100%	B38	60%	100%	B8101	24%	100%	B59	100%	100%	Cw4	88%	100%
B46	83%	100%	B62	60%	100%	B703	20%	100%	B78	100%	100%	Cw17	84%	100%
B72	83%	100%	B72	60%	100%	B40	16%	100%	B13	96%	100%	B18	72%	100%
Cw6	76%	100%	B18	56%	100%	Bw6	12%	100%	B38	96%	100%	Cw8	36%	100%
B50	75%	100%	B35	48%	100%	A2	8%	100%	B45	96%	100%	A24	20%	100%
B62	75%	100%	B48	44%	100%	A9	8%	100%	B46	96%	100%	A23	16%	100%
B49	71%	100%	B53	44%	100%	B15	8%	100%	B62	96%	100%	B14	16%	100%
B71	42%	100%	B71	44%	100%	Cw5	8%	100%	B63	96%	100%	B7801	16%	100%
B52	38%	100%	B37	40%	100%	B18	4%	100%	B64	96%	100%	B39	12%	100%
B56	33%	100%	B78	40%	100%	B44	4%	100%	B72	96%	100%	Cw16	12%	100%
Cw4	33%	100%	B51	36%	100%	B45	4%	100%	B75	96%	100%	Cw403	12%	100%
A30	25%	100%	B39	32%	100%	B82	4%	100%	B77	96%	100%	B5	8%	100%
B41	25%	100%	B75	32%	100%	Bw4	4%	100%	B44	92%	100%	B75	8%	100%
A80	21%	100%	Cw17	32%	100%				B65	92%	100%	Bw4	8%	100%
B15	17%	100%	B77	28%	100%				B71	92%	100%	Bw6	8%	100%
A3	13%	100%	B15	16%	100%				B60	88%	100%	A2	4%	100%
B75	13%	100%	B40	16%	100%				B76	88%	100%	A32	4%	100%
B8201	13%	100%	B4005	16%	100%				A33	84%	100%	A80	4%	100%
Bw4	13%	100%	B3901	12%	100%				B47	84%	100%	A9	4%	100%
Bw6	13%	100%	B59	12%	100%				B61	84%	100%	B57	4%	100%
Cw403	13%	100%	B8201	12%	100%				B37	80%	100%	B63	4%	100%
Cw9	13%	100%	B12	8%	100%				B8	80%	100%	B71	4%	100%
A9	8%	100%	B21	8%	100%				Cw10	76%	100%	B8	4%	100%
B12	8%	100%	B7801	8%	100%				A25	68%	100%			



**Table 3. Summary of the 592nd Serum Exchange (Serum #1367-1371) by Single Antigen - class I**

**Method: Luminex - SAB, cont.**

<b>*** Serum 1367 ***</b>		
25 typing Labs		
Antigen	Consensus	Inclusion
B21	8%	100%
B47	8%	100%
B60	8%	100%
B70	8%	100%
Cw16	8%	100%
A31	4%	100%
A32	4%	100%
A36	4%	100%
A74	4%	100%
B35	4%	100%
B40	4%	100%
B4005	4%	100%
B48	4%	100%
B55	4%	100%
B58	4%	100%
B63	4%	100%
B73	4%	100%
B77	4%	100%
Cw1	4%	100%
Cw3	4%	100%
Cw7	4%	100%
Cw8	4%	100%

<b>*** Serum 1368 ***</b>		
25 typing Labs		
Antigen	Consensus	Inclusion
Bw4	8%	100%
Bw6	8%	100%
A1	4%	100%
B12C	4%	100%
B70	4%	100%
Cw8	4%	100%

<b>*** Serum 1370 ***</b>		
25 typing Labs		
Antigen	Consensus	Inclusion
A32	68%	100%
Cw9	68%	100%
B48	60%	100%
B39	56%	100%
A23	24%	100%
Bw4	24%	100%
Cw18	24%	100%
Cw3	24%	100%
B14	20%	100%
B15	16%	100%
B40	16%	100%
B4005	16%	100%
Bw6	16%	100%
Cw6	16%	100%
A24	12%	100%
B3901	12%	100%
B7801	12%	100%
A19	8%	100%
B12	8%	100%
B16	8%	100%
B17	8%	100%
B21	8%	100%
B22	8%	100%
B5	8%	100%
B5C	8%	100%
B70	8%	100%
B8C	8%	100%
A10	4%	100%
B12C	4%	100%
B54	4%	100%
B7C	4%	100%
Cw17	4%	100%

**Table 4. Summary of the 592<sup>nd</sup> Serum Exchange (Serum #1367-1371) by PRA - class II**

Method: Luminex - PRA														
*** Serum 1367 ***			*** Serum 1368 ***			*** Serum 1369 ***			*** Serum 1370 ***			*** Serum 1371 ***		
4 typing Labs			4 typing Labs			4 typing Labs			4 typing Labs			4 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
DR11	75%	100%	DR11	75%	100%	DQ7	75%	100%	DR7	75%	100%	DR11	75%	100%
DR12	75%	100%	DR13	75%	100%	DQ8	75%	100%	DR9	75%	100%	DR12	75%	100%
DR13	75%	100%	DR14	75%	100%	DQ9	75%	100%	DQ2	50%	100%	DR13	75%	100%
DR14	75%	100%	DR17	75%	100%	DR17	75%	100%	DPA1*01	25%	100%	DR14	75%	100%
DR17	75%	100%	DR18	75%	100%	DR18	75%	100%	DR53	25%	100%	DR17	75%	100%
DR18	75%	100%	DR52	75%	100%	DR53	75%	100%				DR18	75%	100%
DR52	75%	100%	DR12	50%	100%	DR7	75%	100%				DR52	75%	100%
DR8	75%	100%	DR8	50%	100%	DR9	75%	100%				DR8	75%	100%
DR16	50%	100%	DQ4	25%	100%	DQ2	50%	100%				DQ7	50%	100%
DQ2	25%	100%	DQ6	25%	100%	DR4	50%	100%				DR103	50%	100%
DR15	25%	100%	DR51	25%	100%	DR51	25%	100%				DR16	50%	100%
DR51	25%	100%				DR52	25%	100%				DR51	50%	100%
												DQ2	25%	100%
												DQ4	25%	100%
												DR4	25%	100%

**Table 5. Summary of the 592nd Serum Exchange (Serum #1367-1371) by Single Antigen - class II**

Method: Luminex - Single Antigen														
*** Serum 1367 ***			*** Serum 1368 ***			*** Serum 1369 ***			*** Serum 1370 ***			*** Serum 1371 ***		
24 typing Labs			24 typing Labs			24 typing Labs			24 typing Labs			24 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
DR11	100%	100%	DR11	100%	100%	DQ2	100%	100%	DR7	100%	100%	DR11	100%	100%
DR13	100%	100%	DR12	100%	100%	DQ8	100%	100%	DR9	100%	100%	DR12	100%	100%
DR8	100%	100%	DR13	100%	100%	DQ9	100%	100%	DR53	88%	100%	DR13	100%	100%
DR12	96%	100%	DR14	100%	100%	DR4	100%	100%	DQ2	79%	100%	DR14	100%	100%
DR14	92%	100%	DR8	100%	100%	DR9	100%	100%	DQA1*05	17%	100%	DR52	100%	100%
DR17	92%	100%	DR17	96%	100%	DQ7	96%	100%	DPw1	8%	100%	DR8	100%	100%
DR18	92%	100%	DR18	92%	100%	DR53	96%	100%	DQ5	8%	100%	DR103	96%	100%
DR52	83%	100%	DR52	92%	100%	DR7	96%	100%	DR10	8%	100%	DR16	96%	100%
DR15	75%	100%	DQ6	54%	100%	DR17	83%	100%	DPA1*02	4%	100%	DR17	96%	100%
DR16	67%	100%	DR1403	17%	100%	DR18	79%	100%	DQ3	4%	100%	DR18	92%	100%
DQ4	25%	100%	DR1404	17%	100%	DR52	71%	100%	DQ8	4%	100%	DR51	92%	100%
DQ5	21%	100%	DR3	17%	100%	DQA1*03	42%	100%	DQA1*02	4%	100%	DR4	83%	100%
DQ6	21%	100%	DR5	8%	100%	DQA1*06	29%	100%	DQA1*03	4%	100%	DQ7	71%	100%
DQA1*05	21%	100%	DR6	8%	100%	DQA1*05	25%	100%	DQA1*04	4%	100%	DQA1*04	71%	100%
DR1403	21%	100%	DQA1*01	4%	100%	DR51	21%	100%				DQA1*05	67%	100%
DQA1*01	17%	100%				DPw6	17%	100%				DQA1*06	50%	100%
DR1404	17%	100%				DQ3	17%	100%				DQ2	33%	100%
DQA1*03	13%	100%				DR3	17%	100%				DQ4	29%	100%
DR3	13%	100%				DQA1*02	13%	100%				DR1404	21%	100%
DQ2	8%	100%				DQA1*04	13%	100%				DR1403	17%	100%
DQ3	8%	100%				DP14	8%	100%				DR3	17%	100%
DR2	8%	100%				DP9	8%	100%				DQ3	13%	100%
DR5	8%	100%				DPw3	8%	100%				DQ6	13%	100%
DR6	8%	100%				DP17	4%	100%				DQ9	8%	100%
DQ1	4%	100%				DP20	4%	100%				DR1	8%	100%
DQ7	4%	100%				DR14	4%	100%				DR2	8%	100%
DQA1*04	4%	100%				DR1403	4%	100%				DR5	8%	100%
												DR6	8%	100%
												DPA1*05	4%	100%

**Table 6. Individual laboratory results for Serum #1367 - 1371 by C1q - class I**

		**** Serum 1367 ****						**** Serum 1368 ****					**** Serum 1369 ****				**** Serum 1370 ****				**** Serum 1371 ****				
Ctr	% POS	A1	B44	B45	B76	B82	Other	% POS	B44	B45	B76	Other	% POS			Other	% POS			Other	% POS			Other	Method
786		+	+	+	+	+			+	+	+		NT				NT				NT				C1q

**Table 7. Individual laboratory results for Serum #1367 - 1371 by Luminex PRA - class I**

**** Serum 1367 ****																								
Ctr	% POS	A1	A23	A24	B44	B45	B49	B72	A36	B62	B82												Other	Method
2400	45																							LMX-PRA
3753	64	+	+	+	+	+	+	+		+	+												B50,B52	LMX-PRA
8058	25	+	+	+	+	+	+	+	+	+	+												Cw15,Cw18,B56,A30 >	LMX-PRA
8135	43	+	+	+	+	+	+	+	+														B71,B51	LMX-PRA

**** Serum 1368 ****																										
Ctr	% POS	B44	B45	B49	B50	B13	B18	B41	B47	B51	B53	B60	B61	B62	B72	B82									Other	Method
2400	36																								LMX-PRA	
3753	54	+	+	+	+	+	+	+	+		+	+	+	+	+	+								B77	LMX-PRA	
8058	23	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								B75,B76,B35,B48 >	LMX-PRA	
8135	23	+	+	+	+					+														A30,Cw10	LMX-PRA	

**** Serum 1369 ****																										
Ctr	% POS	A23	A24	B48	B60	B7	B81	B41	B42																Other	Method
2400	41																								LMX-PRA	
3753	52	+	+	+	+	+	+	+	+															B8	LMX-PRA	
8058	11	+	+	+	+	+	+	+	+															B75,B8	LMX-PRA	
8135	30	+	+	+	+	+	+																	B71	LMX-PRA	

**** Serum 1370 ****																																		
Ctr	% POS	B13	B18	B35	B49	B50	B51	B52	B53	B57	B58	B61	B62	B63	B64	B65	B71	B72	B75	B77	B78	A33	B37	B41	B44	B45	B46	B47	B56	B59	B60	B8	Other	Method
2400	89																																	LMX-PRA
3753	82	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		B48	LMX-PRA
8058	43	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A25,A32,B76,B38 >	LMX-PRA
8135	80	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+							+	Cw18,A34,A29,A68 >	LMX-PRA

**** Serum 1371 ****																																		
Ctr	% POS	B35	B64	B65	B18	B53	B78																										Other	Method
2400	21																																	LMX-PRA
3753	28	+	+	+	+	+	+																											LMX-PRA
8058	16	+	+	+	+	+	+																										Cw15,Cw18,Cw2,Cw5 >	LMX-PRA
8135	14	+	+	+																														LMX-PRA

**Table 8. Individual laboratory results for Serum #1367 by Single Antigen - class I**

**** Serum 1367 ****																													
Ctr	% POS	A1	A23	B44	B45	B82	B76	Cw17	Cw18	Cw2	Cw5	A24	Cw15	B46	B72	Cw6	B50	B62	B49	B71	B52	B56	Cw4	A30	B41	A80	Other	Method	
716	18	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								B8201,Bw4,Bw6	LMX-SAB	
725		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+						LMX-SAB
786		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	B75,B77,Cw9	LMX-SAB	
2400		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+										LMX-SAB
3224	21	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					A*24:02	LMX-SAB	
3753		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	A*24:02	LMX-SAB	
3766	84	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							B8201	LMX-SAB	
3808	16	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							Cw403	LMX-SAB	
3966	25	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+		LMX-SAB	
4322		+	+	+	+	+		+	+	+	+	+	+	+		+	+		+			+	+	+	+	+	B15	LMX-SAB	
5219	15	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+				B12,A9,B15,B70 >	LMX-SAB	
5462		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								A*24:02	LMX-SAB	
6649	21	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								LMX-SAB	
8082		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+		A3	LMX-SAB	
8090		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B4005,B75,A31, B*35:01,B*55:01, C*01:03,C*08:04 >	LMX-SAB	
8098		+	+	+	+	+	+	+	+	+	+	+	+		+		+	+	+								Cw403	LMX-SAB	
8100		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+			A3,Cw16	LMX-SAB	
8103		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B8201,B75,Cw3,Cw9 >	LMX-SAB	
8112		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+								LMX-SAB	
8121	19	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+				+				B12,Bw4,Bw6,A9 >	LMX-SAB	
8125		+	+	+	+	+	+	+	+	+	+		+	+		+												LMX-SAB	
8128		NT																										LMX-SAB	
8133		+	+	+	+	+	+					+															Bw4,Bw6	LMX-SAB	
8134		+	+	+	+	+	+	+	+	+	+	+			+		+						+					LMX-SAB	
8135	15	+	+	+	+	+	+	+	+	+	+	+	+	+		+												LMX-SAB	

**Table 9. Individual laboratory results for Serum #1368 by Single Antigen - class I**

		**** Serum 1368 ****																											
Ctr	% POS	B44	B45	B82	B41	B47	B49	B50	B76	B60	B61	B13	B38	B62	B72	B18	B35	B48	B53	B71	B37	B78	B51	B39	B75	Cw17	B77	Other	Method
716	13	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+								B8201,Bw4,Bw6	LMX-SAB
725		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+						+			LMX-SAB
786		+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+		+				LMX-SAB
2400		+	+	+	+	+	+	+	+	+	+	+																	LMX-SAB
3224	19	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+				+								LMX-SAB
3753		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				LMX-SAB
3766	81	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	B7801,B8201,B3901	LMX-SAB
3808	13	+	+	+	+	+	+	+	+	+	+	+														+			LMX-SAB
3966	26	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+				LMX-SAB
4322		+	+	+	+	+	+	+				+	+			+	+	+	+		+	+	+	+		+		B3901,B59,B40,B15	LMX-SAB
5219	9	+	+	+	+	+	+	+	+	+	+															+		B12C,B12,B40,B15 >	LMX-SAB
5462		+	+	+	+	+	+	+	+	+	+	+																	LMX-SAB
6649	18	+	+	+	+	+	+	+	+	+	+	+		+	+	+													LMX-SAB
8082		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		LMX-SAB
8090		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	B4005,B59,C*08:04	LMX-SAB
8098		+	+	+	+	+	+	+	+	+	+															+			LMX-SAB
8100		+	+	+	+	+	+	+	+	+	+	+	+							+								B4005	LMX-SAB
8103		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B7801,B8201,B3901,B59 >	LMX-SAB
8112		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+										LMX-SAB
8121	14	+	+	+	+	+	+	+	+	+	+			+	+											+		B12,B40,B15,B70 >	LMX-SAB
8125		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+						+				B4005	LMX-SAB
8128		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	B4005,A1	LMX-SAB
8133		+	+	+					+																			Bw4,Bw6	LMX-SAB
8134		+	+	+	+	+	+	+	+	+	+				+											+			LMX-SAB
8135	21	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+											LMX-SAB

**Table 10. Individual laboratory results for Serum #1369 by Single Antigen - class I**

**** Serum 1369 ****																
Ctr	% POS	A23	A24	B41	B42	B7	B8	B60	B81	B48	B75	A2403	B8101	B703	Other	Method
716	11	+	+	+	+	+	+	+	+	+	+	+	+		Bw6	LMX-SAB
725		+	+	+	+	+	+	+	+	+						LMX-SAB
786		+	+	+	+	+	+	+	+	+	+	+				LMX-SAB
2400		+	+	+	+	+	+	+	+	+						LMX-SAB
3224	11	+	+	+	+	+	+	+	+	+						LMX-SAB
3753		+	+	+	+	+	+	+	+	+						LMX-SAB
3766	68	+	+	+	+	+	+	+	+	+	+	+	+			LMX-SAB
3808	11	+	+	+	+	+	+	+	+	+		+	+	+		LMX-SAB
3966	15	+	+	+	+	+	+	+	+	+	+					LMX-SAB
4322		+	+	+	+	+	+		+	+		+	+		B18,B40,B15	LMX-SAB
5219	9	+	+	+	+	+	+	+	+			+	+	+	A9,B40	LMX-SAB
5462		+	+	+	+	+	+	+	+	+	+				A*15:11	LMX-SAB
6649	11	+	+	+	+	+	+	+	+	+						LMX-SAB
8082		+	+	+	+	+	+	+	+	+	+					LMX-SAB
8090		+	+	+	+	+	+	+	+	+	+				Cw5,A*02:18,B*15:11	LMX-SAB
8098		+	+	+	+	+	+	+	+			+		+		LMX-SAB
8100		+	+	+	+	+	+	+	+	+	+					LMX-SAB
8103		+	+	+	+	+	+	+	+	+	+	+	+		Cw5,B40,B15	LMX-SAB
8112		+	+	+	+	+	+	+	+	+	+					LMX-SAB
8121	10	+	+	+	+	+	+	+	+	+		+		+	Bw4,Bw6,A9,B40	LMX-SAB
8125		+	+	+	+	+	+	+	+							LMX-SAB
8128		+	+	+	+	+	+	+	+	+	+				B82,B45,A2,B44	LMX-SAB
8133		+	+	+	+	+	+	+	+	+					Bw6	LMX-SAB
8134		+	+	+	+	+	+	+	+			+		+		LMX-SAB
8135	11	+	+	+	+	+	+	+	+	+	+					LMX-SAB



**Table 11. Individual laboratory results for Serum #1370 by Single Antigen - class I**

		**** Serum 1370 ****																																																						
Ctr	% POS	B18	B35	B41	B49	B50	B51	B52	B53	B56	B57	B58	B59	B78	B13	B38	B45	B46	B62	B63	B64	B72	B75	B77	B44	B65	B71	B60	B76	A33	B47	B61	B37	B8	Cw10	A25	A32	Cw9	B48	B39	A23	Bw4	Cw18	Cw3	B14	Other	Method									
716	30	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Bw6	LMX-SAB								
725		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX-SAB						
786		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B3901,B8C	LMX-SAB						
2400		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX-SAB						
3224	49	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24, A*33:01	LMX-SAB								
3753		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A*33:01	LMX-SAB							
3766	95	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B7801	LMX-SAB						
3808	34	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX-SAB						
3966	49	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX-SAB					
4322		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B40,B15,Cw6	LMX-SAB					
5219	30	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B7801,B12C,B5C,B8C>	LMX-SAB					
5462		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A*33:01	LMX-SAB					
6649	46	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX-SAB					
8082		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B54,Cw17,A24,Cw6	LMX-SAB				
8090		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B4005,A24,C*18:02	LMX-SAB				
8098		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX-SAB				
8100		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B4005,B5C	LMX-SAB				
8103		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B7801,B3901,B40,B15 >	LMX-SAB			
8112		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX-SAB				
8121	38	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B3901,B22,A19,B12 >	LMX-SAB				
8125		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B4005	LMX-SAB			
8128		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B4005,Cw6	LMX-SAB		
8133		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Bw6	LMX-SAB		
8134		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX-SAB		
8135	47	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX-SAB

**Table 12. Individual laboratory results for Serum #1371 by Single Antigen - class I**

**** Serum 1371 ****																			
Ctr	% POS	Cw18	Cw5	Cw6	B35	B53	Cw15	B65	B51	B64	B78	Cw2	Cw4	Cw17	B18	Cw8	A24	Other	Method
716	15	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		B7801,Bw4,Bw6	LMX-SAB
725		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			LMX-SAB
786		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			LMX-SAB
2400		+	+	+	+	+	+	+	+	+	+	+	+	+	+				LMX-SAB
3224	18	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	A23	LMX-SAB
3753		+	+	+	+	+	+	+	+	+	+	+	+	+	+			+ A23	LMX-SAB
3766	67	+	+	+	+	+	+	+	+	+	+	+	+	+	+			B7801	LMX-SAB
3808	15	+	+	+	+	+	+	+	+	+	+	+	+	+		+		Cw403	LMX-SAB
3966	15	+	+	+	+	+	+	+	+	+	+	+	+	+	+				LMX-SAB
4322		+	+	+	+	+			+		+	+	+	+	+			B14	LMX-SAB
5219	8	+	+	+	+	+		+	+	+	+		+			+		B7801,B14,Cw403,B5	LMX-SAB
5462		+	+	+	+	+	+	+	+	+	+	+	+	+	+				LMX-SAB
6649	15	+	+	+	+	+	+	+	+	+	+	+	+	+		+			LMX-SAB
8082		+	+	+	+	+	+	+	+	+	+	+	+	+	+			+ B75,A32,A23,A80 >	LMX-SAB
8090		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A23,A*02:18,B*39:04, B*15:02,B*15:18 >	LMX-SAB
8098		+	+	+	+	+	+	+	+	+	+	+	+	+		+		Cw403	LMX-SAB
8100		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		B39,Cw16	LMX-SAB
8103		+	+	+	+	+	+	+	+	+	+	+	+	+	+			B7801,B14	LMX-SAB
8112		+	+	+	+	+	+	+	+	+	+	+	+	+	+				LMX-SAB
8121	17	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B14,Bw4,Bw6,A9 >	LMX-SAB
8125		+	+	+	+	+	+			+			+						LMX-SAB
8128		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		B39,Cw16	LMX-SAB
8133		+	+	+			+												LMX-SAB
8134		+	+	+	+	+	+					+	+	+		+			LMX-SAB
8135	15	+	+	+	+	+	+	+	+	+	+	+	+	+	+				LMX-SAB

**Table 13. Individual laboratory results for Serum #1367 - 1371 by PRA - class II**

**** Serum 1367 ****														**** Serum 1368 ****															
Ctr	% POS	DR11	DR12	DR13	DR14	DR17	DR18	DR52	DR8	DR16				Other	% POS	DR11	DR13	DR14	DR17	DR18	DR52	DR12	DR8					Other	Method
2400	77														69														LMX-PRA
8058	21	+	+	+	+	+	+	+	+	+				DQ2,DR15	16	+	+	+	+	+	+	+	+					DQ6	LMX-PRA
8135	66	+	+	+	+	+	+	+	+	+				DR51	69	+	+	+	+	+	+	+	+					DQ4,DR51	LMX-PRA
3753	77	+	+	+	+	+	+	+	+	+					63	+	+	+	+	+	+	+	+						LMX-PRA

**** Serum 1369 ****														**** Serum 1370 ****															
Ctr	% POS	DQ7	DQ8	DQ9	DR17	DR18	DR53	DR7	DR9	DQ2	DR4			Other	% POS	DR7	DR9	DQ2										Other	Method
2400	80														31														LMX-PRA
8058	31	+	+	+	+	+	+	+	+	+	+			DR52	12	+	+	+										DR53,DPA1*01	LMX-PRA
8135	77	+	+	+	+	+	+	+	+					DR51	31	+	+												LMX-PRA
3753	67	+	+	+	+	+	+	+	+	+	+				33	+	+	+											LMX-PRA

**** Serum 1371 ****															
Ctr	% POS	DR11	DR12	DR13	DR14	DR17	DR18	DR52	DR8	DQ7	DR103	DR16	DR51	Other	Method
2400	80														LMX-PRA
8058	29	+	+	+	+	+	+	+	+	+	+	+	+	DR4,DQ2,DQ4	LMX-PRA
8135	77	+	+	+	+	+	+	+	+				+		LMX-PRA
3753	83	+	+	+	+	+	+	+	+	+	+	+			LMX-PRA

**Table 14. Individual laboratory results for Serum #1367 - 1368 by Single Antigen - class II**

Ctr	**** Serum 1367 ****															**** Serum 1368 ****															Method
	% POS	DR11	DR13	DR8	DR12	DR14	DR17	DR18	DR52	DR15	DR16	DQ4	DQ5	DQ6	DQA1*05	DR1403	Other	% POS	DR11	DR12	DR13	DR14	DR8	DR17	DR18	DR52	DQ6	Other			
716	14	+	+	+	+	+	+	+	+	+								13	+	+	+	+	+	+	+				LMX-SAB		
725		+	+	+	+	+	+	+	+	+			+	+			DQA1*01		+	+	+	+	+	+	+				LMX-SAB		
2400		+	+	+	+	+	+	+	+								DRB3*01:01, DRB3*03:01		+	+	+	+	+	+	+				LMX-SAB		
3224	20	+	+	+	+	+	+	+	+	+	+							14	+	+	+	+	+	+	+				LMX-SAB		
3753		+	+	+	+	+	+	+	+	+	+						DRB3*01, DRB3*03		+	+	+	+	+	+	+				LMX-SAB		
3766	79	+	+	+	+	+	+	+	+	+	+							67	+	+	+	+	+	+	+	+	DQB1*06:03		LMX-SAB		
3808	22	+	+	+	+	+	+	+	+							+	DR1404	18	+	+	+	+	+	+	+		DR1403,DR1404		LMX-SAB		
3966	23	+	+	+	+	+	+	+	+	+	+	+			+			16	+	+	+	+	+	+	+	+			LMX-SAB		
4322		+	+	+	+	+			+	+	+	+			+		DR3,DQ3,DQ7,DQA1*03		+	+	+	+			+	+	DR3,DQA1*01		LMX-SAB		
5219	24	+	+	+	+	+	+	+	+	+	+		+	+	+		DR2,DR3,DR5,DR6 >	18	+	+	+	+	+	+	+		DR3,DR5,DR6,DR1403 >		LMX-SAB		
5462		+	+	+	+	+	+	+	+	+	+						DRB3*01:01, DRB3*03:01		+	+	+	+	+	+	+	+	DQB1*06:03		LMX-SAB		
6649	18	+	+	+	+	+	+	+	+	+								15	+	+	+	+	+	+	+	+			LMX-SAB		
8082		+	+	+	+	+	+	+	+	+	+				+		DQA1*03		+	+	+	+	+	+	+	+			LMX-SAB		
8090		+	+	+	+	+	+	+	+	+	+						DRB3*01:01, DRB3*03:01		+	+	+	+	+	+	+	+	DQB1*06:03,DRB3*01:01,DRB3*03:01		LMX-SAB		
8098		+	+	+	+	+	+	+	+	+	+		+	+		+	DR1404,DQA1*01		+	+	+	+	+	+	+		DR1403,DR1404		LMX-SAB		
8100		+	+	+	+	+	+	+	+	+	+	+					DQ2		+	+	+	+	+	+	+	+			LMX-SAB		
8103		+	+	+															+	+	+	+	+	+	+	+	DR3		LMX-SAB		
8112		+	+	+	+	+	+	+	+	+	+								+	+	+	+	+	+	+	+			LMX-SAB		
8121	39	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	DR2,DR3,DR5,DR6 >	20	+	+	+	+	+	+	+		DR3,DR5,DR6,DR1403 >		LMX-SAB		
8125		+	+	+	+	+	+												+	+	+	+	+	+					LMX-SAB		
8128		+	+	+	+	+	+	+	+	+	+				+				+	+	+	+	+	+	+	+			LMX-SAB		
8133		+	+	+	+	+	+	+											+	+	+	+	+	+	+	+			LMX-SAB		
8134		+	+	+	+		+	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+			LMX-SAB		
8135	15	+	+	+	+	+	+	+	+										16	+	+	+	+	+	+	+	+			LMX-SAB	

**Table 15. Individual laboratory results for Serum #1369 - 1370 by Single Antigen - class II**

Ctr	**** Serum 1369 ****															Other	**** Serum 1370 ****					Other	Method	
	% POS	DQ2	DC8	DQ9	DR4	DR9	DQ7	DR53	DR7	DR17	DR18	DR52	DQA1*03	DQA1*06	DQA1*05		DR51	% POS	DR7	DR9	DR53			DQ2
716	26	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	DQA1*02,DQA1*04	6	+	+	+	+	DQA1*05,DPw1,DPA1*02,DQA1*03	LMX-SAB
725		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+		LMX-SAB
2400		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+		LMX-SAB
3224	31	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		11	+	+	+	+	DR10	LMX-SAB
3753		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+		LMX-SAB
3766	94	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		62	+	+	+	+		LMX-SAB
3808	24	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		2	+	+	+	+		LMX-SAB
3966	31	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		11	+	+	+	+		LMX-SAB
4322		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	DR3,DQ3,DPw6,DQA1*02 >		+	+	+	+	DQA1*05,DQA1*04	LMX-SAB
5219	24	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	DR3,DQ3	2	+	+	+	+		LMX-SAB
5462		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+		LMX-SAB
6649	31	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		11	+	+	+	+		LMX-SAB
8082		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	DQA1*02,DQA1*04		+	+	+	+	DR10,DQ5,DQA1*05	LMX-SAB
8090		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	DPw3,DPw6,DP20,DP9 >		+	+	+	+	DQB1*05:01,DQA1*05	LMX-SAB
8098		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+		LMX-SAB
8100		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	DR14,DR1403		+	+	+	+		LMX-SAB
8103		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	DR3,DQ3		+	+	+	+		LMX-SAB
8112		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+	DPw1	LMX-SAB
8121	28	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	DR3,DQ3,DPw3,DPw6 >	7	+	+	+	+	DQ3,DQ8,DQA1*02	LMX-SAB
8125		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+		LMX-SAB
8128		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	DPw6		+	+	+	+		LMX-SAB
8133		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+		LMX-SAB
8134		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+		LMX-SAB
8135	31	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		11	+	+	+	+		LMX-SAB

**Table 16. Individual laboratory results for Serum #1371 by Single Antigen - class II**

		**** Serum 1371 ****																						
Ctr	% POS	DR11	DR12	DR13	DR14	DR52	DR8	DR103	DR16	DR17	DR18	DR51	DR4	DQ7	DQA1*04	DQA1*05	DQA1*06	DQ2	DQ4	DR1404	Other	Method		
716	25	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			DQ6	LMX-SAB	
725		+	+	+	+	+	+	+	+	+	+	+	+		+	+	+						LMX-SAB	
2400		+	+	+	+	+	+	+	+	+	+	+	+		+	+	+					DRB1*04:02, DRB5*01:01	LMX-SAB	
3224	29	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX-SAB	
3753		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					DRB1*04:02, DRB5*01	LMX-SAB	
3766	95	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX-SAB	
3808	32	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+				+	DR1403	LMX-SAB	
3966	28	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+		LMX-SAB	
4322		+	+	+	+	+	+		+			+	+	+	+	+	+	+	+	+		DR1,DR3,DQ3	LMX-SAB	
5219	34	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+				+	DR2,DR3,DR5,DR6 >	LMX-SAB	
5462		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					DRB1*04:02, DRB5*01:01	LMX-SAB	
6649	28	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX-SAB	
8082		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX-SAB	
8090		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					DRB5*01:01,DRB5*01:02	LMX-SAB	
8098		+	+	+	+	+	+	+	+	+	+	+	+		+	+	+				+	DR1403,DPA1*05	LMX-SAB	
8100		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+	+	LMX-SAB	
8103		+	+	+	+	+	+	+	+	+		+	+		+	+	+					DR1,DR3,DQ3	LMX-SAB	
8112		+	+	+	+	+	+	+	+	+	+	+	+	+									LMX-SAB	
8121	36	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+	+		DR2,DR3,DR5,DR6 >	LMX-SAB	
8125		+	+	+	+	+	+	+	+	+	+	+		+									LMX-SAB	
8128		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							LMX-SAB	
8133		+	+	+	+	+	+	+		+	+			+							+	+	LMX-SAB	
8134		+	+	+	+	+	+	+	+	+	+	+	+	+							+	+	DQ9,DQ6	LMX-SAB
8135	28	+	+	+	+	+	+	+	+	+	+	+	+	+							+	+	LMX-SAB	