

SERUM EXCHANGE #568 MAY 8, 2019

Sera	1265-1268
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The results for **Serum Exchange 568 (sera 1265 - 1268)**, are summarized in Tables 14 - 21 and individual laboratory results by method are listed

in Tables 22 - 34. Sera positive to B12 (B44, B45) and 5C specificities were examined in this study.

1265	method	#abs	B44	B45	B12	B49	B50	B51	B52	B53	B35	B62	B70	B71	B72	B61	B60	B13	B41	B63	B75	B77	B78	B7801	B18	B56	B59	B57	B58	B64	
class I	NIH-Std	1			100%																										
	NIH-Ext	2	100%			100%	100%	51%		50%	50%	100%		50%																	
	AHG	2	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%		50%	50%	50%	50%	50%												
	Luminex	29	97%	97%		97%	97%	93%	97%	97%	97%	93%		93%	93%	93%	90%	97%	97%	93%	93%	93%	93%	17%	97%	97%	97%	97%	93%	90%	
	Flow	2	no specificities assigned																												
	C1q	2	100%	100%		100%	100%	100%	100%	100%	100%	100%		100%	100%	100%	50%	100%	100%		100%	100%	100%		100%						
	Other	2	50%	50%		50%	50%	100%	100%	100%	100%	50%		50%	50%	50%	50%			50%	50%	50%	100%	100%		50%	50%	50%	50%		
1265	method	#abs	B46	B47	A24	A2403	B39	B3901	A23	B65	A2	A69	B37	B38	B55	B76	B48	B54	B8	B67	Cw10	Cw9	Cw15	B42	Cw4	A68	Cw1	Cw14	Cw5	B82	B81
	AHG	2	50%	50%																											50%
	Luminex	29	93%	97%	83%	28%	79%	28%	76%	59%	55%	45%	97%	97%	97%	90%	86%	86%	79%	76%	62%	48%	45%	41%	34%	31%	21%	21%	21%	17%	
	Other	2			50%		50%		50%	50%	50%																				

1265	method	#abs	DR17	DR18	DR52	DR14	DR13	DQ2	DQ4	DQ5	DR11	DR12	DQ6	DQA1*05
class II	NIH-Ext	1	undetermined											
	Luminex	26	96%	96%	88%	58%	58%	35%	23%	19%	19%	19%	15%	12%
	Flow	2	no specificities assigned											
	Other	2	100%	100%	100%									

For **Serum 1265**, anti-B12 (B44, B45) reactivity was reported by all methods, including 1 lab reporting by NIH-standard. In addition, reactivity to a number of 5C and 7C specificities was reported by multiple methods. Additional anti-B37, -B38, -B55, and -B76 reactivity was reported by Luminex (>90%), along with allele specific A*24:03, B*39:01, and B*78:01 reactivity.

For class II, anti-DR3 (DR17, DR18) and anti-DR52 reactivity was reported by Luminex single antigen and Luminex PRA, with single antigen labs reporting reactivity to DR17 and DR18 with >90% agreement. Additional DR and DQ reactivity was also reported by Luminex, including 2 labs reporting allele specific DQB1*05:02 reactivity.

1266	method	#abs	B44	B45	B12	B49	B50	B41	B47	B60	B61	B13	A1	A23	B76	B82	B8201	A24	Cw15	A32	B62		
class I	NIH-Std	1			100%																		
	NIH-Ext	2	100%	100%																			
	AHG	2	50%	50%	50%	50%	50%	50%	50%	50%	50%												
	Luminex	29	97%	97%		97%	97%	93%	93%	93%	90%	97%	97%	90%	90%	79%	17%	90%	76%		86%		
	Flow	2	no specificities assigned																				
	C1q	2	100%	100%		100%	100%					100%			100%	100%	100%						
	Other	2	100%	100%		100%	100%	50%	50%	100%	100%	50%	100%	100%				50%	50%	50%			
1266	method	#abs	Cw18	Cw6	Cw5	Cw17	Cw2	Cw4	B56	B72	B52	B35	B63	B71	B53	B75	B54	B55	B58	B59	A43	A80	A29
	Luminex	29	83%	90%	72%	69%	62%	34%	69%	69%	62%	55%	55%	48%	41%	38%	41%	34%	34%	24%	52%	21%	17%

1266	method	#abs	DQ7	DQ8	DQ9	DR4	DQ4	DR53	DR9	DQA1*03	DQA1*05	DR7	DQ2	DQA1*06	
class II	NIH-Ext	1	undetermined												
	Luminex	26	96%	96%	96%	96%	27%	92%	46%	42%	31%	27%	19%	12%	
	Flow	2	no specificities assigned												
	Other	2	100%	100%	100%	100%									

For **Serum 1266**, anti-B12 (B44, B45) reactivity was reported by all methods. Additional reactivity to B49 and B50, as well as reactivity to a number of 7C specificities was reported by several methods, with Luminex reporting each with > 90% agreement. In addition, anti-A1 and -A23 reactivity was reported by Luminex and PRA, while additional anti-B76 and -B82 reactivity was reported by Luminex and C1q. Reactivity to a number of C-locus anti-

gens was reported by Luminex. A few (17%) Luminex labs also reported allele specific B*82:01 reactivity.

For class II, anti-DQ3 (DQ7, DQ8, DQ9) and -DR4 reactivity was reported by Luminex and PRA, with Luminex reporting each with > 90% agreement. Additional reactivity DR53 (92%) was also reported by Luminex, along with anti-DQA1*03, -DQA1*05, and -DQA1*06 reactivity.

1267	method	#abs	B57	B58	A23	A32	B38	B44	B12	B49	B50	B51	B52	B27	B37	B47	B53	B35	B62	B63	A25	A24	A2403	B77	B13	Bw4	B59		
class I	NIH-Std	1							100%																				
	NIH-Ext	2	100%	100%	100%	50%	100%	100%		100%		100%	100%	100%			100%												
	AHG	2	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%		50%	50%	50%	50%	50%			50%	50%			
	Luminex	29	97%	93%	93%	93%	93%	93%		93%	93%	93%	93%	93%	93%	93%	93%	93%	83%	86%	93%	93%	28%	90%	83%	45%	97%		
	Flow	2	no specificities assigned																										
	C1q	2	100%	100%	100%	100%	100%	100%		100%		100%	100%	100%	100%	100%			100%	100%				100%			100%		
	Other	2	100%	100%	100%	100%	50%	50%		100%	50%	100%	100%	100%	100%	100%	100%	50%	50%	100%	100%	100%		50%	100%	50%	50%		
1267	method	#abs	Cw2	Cw4	Cw17	Cw6	Cw15	Cw18	B72	B71	B70	B75	A80	B56	B78	B7801	B46	B7	B18	Cw5	Cw10	Cw9	Cw1	Cw14	B55	B60	B61	B41	B45
	AHG	2										50%		50%															
	Luminex	29	97%	97%	90%	86%	86%	83%	90%	86%		86%		93%	83%	21%	66%	41%	38%	69%	55%	34%	31%	24%	24%	24%	17%	17%	17%
	C1q	2	50%	50%	50%	50%	50%	50%																					
	Other	2							50%	50%		50%																	

1267	method	#abs	DQ7	DQ8	DQ9	DR4	DR1	DR11	DR9	DQ4	DR53	DPw2	DPw3	DP18	DP28	DPw6	DP14	DP9
class II	NIH-Ext	1	undetermined															
	Luminex	26	92%	92%	92%	96%	96%	92%	81%	81%	92%	85%	85%	81%	81%	81%	77%	77%
	Flow	2	no specificities assigned															
	C1q	1	100%	100%	100%	100%												
	Other	2	100%	100%	100%	50%	50%	50%	50%	50%								
1267	method	#abs	DP17	DR14	DP10	DP20	DPw4	DP402	DQ2	DQA1*03	DR7	DR10	DQA1*05	DQA1*06	DQA1*04	DQA1*02	DPA1*01	DPA1*04
	Luminex	26	69%	69%	65%	62%	62%	46%	46%	42%	42%	38%	35%	27%	23%	15%	12%	12%

Serum 1267 was reported as strongly positive to a number of class I specificities, including B57, B58, A23, A32, B44, B27, B37, B47, B49, A25, and A24, as well as to a number of 5C specificities. Additional C-locus reactivity was also reported by Luminex, with labs reporting anti-Cw2, -Cw4, and -Cw17 reactivity with > 90% agreement. Allele specific A*24:03, B*27:05 and B*78:01 reactivity was also reported by Luminex.

Reactivity to a number of DQ and DR specificities was reported in this sample, with Luminex, Flow, C1q and PRA reporting anti-DQ7, -DQ8, -DQ9, and -DR4 reactivity. Reactivity to DR1, DR11, DR9, and DQ4 was also reported by Luminex and PRA. In addition, anti-DR53 (92%) and -DR14 (69%) reactivity, along with reactivity to a number of DP and DQA1 specificities was reported by Luminex.

1268	method	#abs	B57	B49	B51	B52	B53	B63	B44	B12	B38	B37	A25	A32	A24	A2403	A23	B58	B47	B13	B27	B59	Bw4	B35
class I	NIH-Std	1	100%							100%														100%
	NIH-Ext	2	50%	100%	100%	100%	50%	50%	50%		50%		50%	50%	50%									
	AHG	2	100%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%		50%	50%	50%	50%	50%		50%	50%
	Luminex	29	97%	93%	97%	93%	93%	90%	97%		97%	93%	93%	93%	97%	28%	97%	97%	93%	97%	90%	97%	48%	
	Flow	2	no specificities assigned																					
	C1q	2	100%	100%	100%	100%	100%	100%	100%		100%	100%	100%	100%	50%	50%	100%	100%	50%	100%	100%	100%		
	Other	2	50%	50%	50%	50%	50%	50%	50%		50%	50%	100%	100%	100%		100%	50%	50%	50%	50%	50%	50%	
1268	method	#abs	B77	Cw8	B64	B46	B78	B7801	Cw16	Cw1	Cw10	Cw14	Cw12	Cw9	Cw7	B65	B18	B73	B75	A3	A34	A43	A29	
	Luminex	29	90%	66%	55%	90%	86%	24%	83%	69%	66%	62%	55%	55%	31%	38%	52%	31%	31%	48%	38%	28%	17%	
	C1q	2	100%																					
	Other	2		50%	50%																			

1268	method	#abs	DQ2	DR7	DR9	DR4	DR53	DR10	DQ8	DQ5	DQ9	DQ4	DQA1*02	DQA1*03	DQ6	DQ7	DR14	DQA1*05
class II	NIH-Ext	1	100%															
	Luminex	26	93%	88%	88%	92%	92%	81%	88%	85%	77%	46%	65%	62%	46%	31%	19%	12%
	Flow	2	no specificities assigned															
	C1q	1	100%	100%	100%							100%						
	Other	2	100%	100%	50%	100%	100%	50%	50%	100%	50%							

For **Serum 1268**, anti-B57 and -B44 reactivity was reported by all methods except Flow. Additional reactivity to B38, B37 A25, A32, A24, and A23, as well as reactivity to a number of 5C and 7C specificities, was reported by multiple methods, including NIH and C1q. In addition, Luminex reported additional C-locus reactivity, along with allele specific A*24:03, B*27:05, and B*78:01 reactivity.

Class II reactivity was reported in this sample, with NIH, Luminex, C1q, and PRA all reporting strong anti-DQ2 reactivity. Additional reactivity to DR4, DR53, DR10, DQ8, DQ5, and DQ9 was reported by Luminex and PRA, while anti-DQ4 reactivity was reported by Luminex and C1q. In addition, Luminex reported DQA1 reactivity, along with allele specific reactivity to DQB1*06:09.

NEXT MAILING DATE: August 7, 2019

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Table 14. Summary of the 568th Serum Exchange (Serum #1265-1268) by NIH-Standard and NIH-Extended - class I

Method: NIH-Standard											
*** Serum 1265 ***			*** Serum 1266 ***			*** Serum 1267 ***			*** Serum 1268 ***		
1 typing Lab			1 typing Lab			1 typing Lab			1 typing Lab		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
no consensus			no consensus			no consensus			no consensus		

Method: NIH-Extended											
*** Serum 1265 ***			*** Serum 1266 ***			*** Serum 1267 ***			*** Serum 1268 ***		
2 typing Labs			2 typing Labs			2 typing Labs			2 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
B49	100%	100%	B44	100%	80%	A23	100%	100%	B49	100%	100%
B50	100%	100%	B45	100%	50%	B27	100%	100%	B51	100%	100%
B44	100%	80%				B38	100%	100%	B52	100%	100%
B62	100%	75%				B49	100%	100%	A25	50%	100%
B27	50%	100%				B51	100%	100%	A32	50%	100%
B35	50%	100%				B52	100%	100%	B38	50%	100%
B51	50%	100%				B53	100%	100%	B53	50%	100%
B53	50%	100%				B57	100%	100%	B63	50%	100%
B71	50%	100%				B58	100%	100%	B44	50%	88%
						B44	100%	89%	A24	50%	62%
						A32	50%	67%	B57	50%	50%

Table 15. Summary of the 568th Serum Exchange (Serum #1265-1268) by Antiglobulin and Flow Cytometry - class I

Method: Antiglobulin											
*** Serum 1265 ***			*** Serum 1266 ***			*** Serum 1267 ***			*** Serum 1268 ***		
2 typing Labs			2 typing Labs			2 typing Labs			2 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
B12	50%	100%	B12	50%	100%	A23	50%	100%	B57	100%	100%
B13	50%	100%	B41	50%	100%	A24	50%	100%	A23	50%	100%
B35	50%	100%	B44	50%	100%	A25	50%	100%	A24	50%	100%
B41	50%	100%	B45	50%	100%	A32	50%	100%	A25	50%	100%
B44	50%	100%	B47	50%	100%	A80	50%	100%	A32	50%	100%
B45	50%	100%	B49	50%	100%	B12	50%	100%	B12	50%	100%
B46	50%	100%	B50	50%	100%	B13	50%	100%	B13	50%	100%
B47	50%	100%	B60	50%	100%	B27	50%	100%	B27	50%	100%
B49	50%	100%	B61	50%	100%	B35	50%	100%	B35	50%	100%
B50	50%	100%				B37	50%	100%	B37	50%	100%
B51	50%	100%				B38	50%	100%	B38	50%	100%
B52	50%	100%				B44	50%	100%	B44	50%	100%
B53	50%	100%				B47	50%	100%	B47	50%	100%
B60	50%	100%				B49	50%	100%	B49	50%	100%
B61	50%	100%				B51	50%	100%	B51	50%	100%
B62	50%	100%				B52	50%	100%	B52	50%	100%
B63	50%	100%				B53	50%	100%	B53	50%	100%
B70	50%	100%				B57	50%	100%	B58	50%	100%
B72	50%	100%				B58	50%	100%	B63	50%	100%
B81	50%	100%				B62	50%	100%	Bw4	50%	100%
						B63	50%	100%			
						B70	50%	100%			
						Bw4	50%	100%			
						B50	50%	80%			

Method: Flow Cytometry											
*** Serum 1265 ***			*** Serum 1266 ***			*** Serum 1267 ***			*** Serum 1268 ***		
2 typing Labs			2 typing Labs			2 typing Labs			2 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
no specificities assigned			no specificities assigned			no specificities assigned			no specificities assigned		

Table 16. Summary of the 568th Serum Exchange (Serum #1265-1268) by Other - class I

Method: Other											
*** Serum 1265 ***			*** Serum 1266 ***			*** Serum 1267 ***			*** Serum 1268 ***		
2 typing Labs			2 typing Labs			2 typing Labs			2 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
B18	100%	100%	A1	100%	100%	A23	100%	100%	A23	100%	100%
B35	100%	100%	A23	100%	100%	A24	100%	100%	A24	100%	100%
B51	100%	100%	B44	100%	100%	A25	100%	100%	A25	100%	100%
B52	100%	100%	B45	100%	100%	A32	100%	100%	A32	100%	100%
B53	100%	100%	B49	100%	100%	B13	100%	100%	B13	50%	100%
B78	100%	100%	B50	100%	100%	B27	100%	100%	B27	50%	100%
A2	50%	100%	B60	100%	100%	B37	100%	100%	B37	50%	100%
A23	50%	100%	B61	100%	100%	B47	100%	100%	B38	50%	100%
A24	50%	100%	A24	50%	100%	B49	100%	100%	B44	50%	100%
A69	50%	100%	A32	50%	100%	B51	100%	100%	B47	50%	100%
B39	50%	100%	B13	50%	100%	B52	100%	100%	B49	50%	100%
B44	50%	100%	B41	50%	100%	B53	100%	100%	B51	50%	100%
B45	50%	100%	B47	50%	100%	B57	100%	100%	B52	50%	100%
B49	50%	100%	Cw15	50%	100%	B58	100%	100%	B53	50%	100%
B50	50%	100%				B63	100%	100%	B57	50%	100%
B57	50%	100%				B35	50%	100%	B58	50%	100%
B58	50%	100%				B38	50%	100%	B59	50%	100%
B59	50%	100%				B44	50%	100%	B63	50%	100%
B60	50%	100%				B50	50%	100%	B64	50%	100%
B61	50%	100%				B59	50%	100%	Bw4	50%	100%
B62	50%	100%				B62	50%	100%	Cw8	50%	100%
B63	50%	100%				B71	50%	100%			
B64	50%	100%				B72	50%	100%			
B65	50%	100%				B75	50%	100%			
B71	50%	100%				B77	50%	100%			
B72	50%	100%				Bw4	50%	100%			
B75	50%	100%									
B77	50%	100%									

Other = Luminex-PRA

Table 17. Summary of the 568th Serum Exchange (Serum #1265-1268) by Luminex - class I

Method: Luminex											
*** Serum 1265 ***			*** Serum 1266 ***			*** Serum 1267 ***			*** Serum 1268 ***		
29 typing Labs			29 typing Labs			29 typing Labs			29 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
B13	97%	100%	A1	97%	100%	B57	97%	100%	A23	97%	100%
B18	97%	100%	B13	97%	100%	B59	97%	100%	A24	97%	100%
B35	97%	100%	B44	97%	100%	Cw2	97%	100%	B13	97%	100%
B37	97%	100%	B45	97%	100%	Cw4	97%	100%	B38	97%	100%
B38	97%	100%	B49	97%	100%	A23	93%	100%	B44	97%	100%
B41	97%	100%	B50	97%	100%	A25	93%	100%	B51	97%	100%
B44	97%	100%	B41	93%	100%	A32	93%	100%	B57	97%	100%
B45	97%	100%	B47	93%	100%	B35	93%	100%	B58	97%	100%
B47	97%	100%	B60	93%	100%	B37	93%	100%	B59	97%	100%
B49	97%	100%	A23	90%	100%	B38	93%	100%	A25	93%	100%
B50	97%	100%	B61	90%	100%	B44	93%	100%	A32	93%	100%
B52	97%	100%	B76	90%	100%	B47	93%	100%	B37	93%	100%
B53	97%	100%	Cw6	90%	92%	B49	93%	100%	B47	93%	100%
B55	97%	100%	A24	90%	50%	B50	93%	100%	B49	93%	100%
B56	97%	100%	B62	86%	67%	B51	93%	100%	B52	93%	100%
B57	97%	100%	Cw18	83%	33%	B52	93%	100%	B53	93%	100%
B59	97%	100%	B82	79%	100%	B53	93%	100%	B63	90%	100%
B46	93%	100%	Cw15	76%	50%	B56	93%	100%	B77	90%	100%
B51	93%	100%	Cw5	72%	100%	B58	93%	100%	B27	90%	80%
B58	93%	100%	Cw17	69%	100%	A24	93%	88%	B46	90%	50%
B61	93%	100%	B56	69%	50%	B27	93%	80%	B78	86%	100%
B62	93%	100%	B72	69%	33%	B77	90%	100%	Cw16	83%	100%
B63	93%	100%	Cw2	62%	100%	Cw17	90%	100%	Cw1	69%	100%
B71	93%	100%	B52	62%	0%	B72	90%	67%	Cw10	66%	100%
B72	93%	100%	B35	55%	100%	B63	86%	100%	Cw8	66%	100%
B75	93%	100%	B63	55%	100%	B71	86%	100%	Cw14	62%	100%
B77	93%	100%	A43	52%	100%	B75	86%	100%	B64	55%	100%
B78	93%	100%	B71	48%	100%	Cw6	86%	92%	Cw12	55%	100%
B60	90%	100%	B53	41%	100%	Cw15	86%	80%	Cw9	55%	100%
B64	90%	100%	B54	41%	100%	B13	83%	100%	B18	52%	100%
B76	90%	100%	B75	38%	100%	B62	83%	100%	A3	48%	100%
B48	86%	100%	B55	34%	100%	B78	83%	100%	Bw4	48%	100%
B54	86%	100%	B58	34%	100%	Cw18	83%	75%	A34	38%	100%
A24	83%	88%	Cw4	34%	100%	Cw5	69%	50%	B65	38%	100%
B39	79%	100%	B59	24%	100%	B46	66%	100%	B73	31%	100%

Table 17. Summary of the 568th Serum Exchange (Serum #1265-1268) by Luminex - class I

Method: Luminex - cont.											
*** Serum 1265 ***			*** Serum 1266 ***			*** Serum 1267 ***			*** Serum 1268 ***		
29 typing Labs			29 typing Labs			29 typing Labs			29 typing Labs		
B8	79%	100%	A80	21%	100%	Cw10	55%	100%	B75	31%	100%
A23	76%	100%	A29	17%	100%	Bw4	45%	100%	Cw7	31%	100%
B67	76%	100%	B8201	17%	100%	B7	41%	100%	A2403	28%	100%
Cw10	62%	100%				B18	38%	100%	A43	28%	100%
B65	59%	100%				Cw9	34%	100%	B7801	24%	100%
A2	55%	100%				Cw1	31%	100%	A29	17%	100%
Cw9	48%	100%				A2403	28%	100%			
A69	45%	100%				B55	24%	100%			
Cw15	45%	100%				B60	24%	100%			
B42	41%	100%				Cw14	24%	100%			
Cw4	34%	100%				B7801	21%	100%			
A68	31%	100%				B41	17%	100%			
A2403	28%	100%				B45	17%	100%			
B3901	28%	100%				B61	17%	100%			
Cw1	21%	100%									
Cw14	21%	100%									
Cw5	21%	100%									
B7801	17%	100%									
B82	17%	100%									

Table 18. Summary of the 568th Serum Exchange (Serum #1265-1268) by C1q - class I

Method: C1q											
*** Serum 1265 ***			*** Serum 1266 ***			*** Serum 1267 ***			*** Serum 1268 ***		
2 typing Labs			2 typing Labs			2 typing Labs			2 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
B13	100%	100%	B44	100%	100%	A23	100%	100%	A23	100%	100%
B35	100%	100%	B45	100%	100%	A25	100%	100%	A25	100%	100%
B41	100%	100%	B76	100%	100%	A32	100%	100%	A32	100%	100%
B44	100%	100%	B13	50%	100%	B27	100%	100%	B13	100%	100%
B45	100%	100%	B49	50%	100%	B37	100%	100%	B27	100%	100%
B49	100%	100%	B50	50%	100%	B38	100%	100%	B37	100%	100%
B50	100%	100%	B82	50%	100%	B44	100%	100%	B38	100%	100%
B51	100%	100%	B8201	50%	100%	B47	100%	100%	B44	100%	100%
B52	100%	100%				B49	100%	100%	B49	100%	100%
B53	100%	100%				B51	100%	100%	B51	100%	100%
B56	100%	100%				B52	100%	100%	B52	100%	100%
B61	100%	100%				B53	100%	100%	B53	100%	100%
B62	100%	100%				B57	100%	100%	B57	100%	100%
B71	100%	100%				B58	100%	100%	B58	100%	100%
B72	100%	100%				B59	100%	100%	B59	100%	100%
B75	100%	100%				B63	100%	100%	B63	100%	100%
B77	100%	100%				B77	100%	100%	B77	100%	100%
B78	100%	100%				Cw15	50%	100%	A24	50%	100%
B60	50%	100%				Cw17	50%	100%	A2403	50%	100%
						Cw18	50%	100%	B47	50%	100%
						Cw2	50%	100%			
						Cw4	50%	100%			
						Cw6	50%	100%			

Table 19. Summary of the 568th Serum Exchange (Serum #1265-1268) by NIH-Extended and Flow Cytometry - class II

Method: NIH-Extended											
*** Serum 1265 ***			*** Serum 1266 ***			*** Serum 1267 ***			*** Serum 1268 ***		
1 typing Lab			1 typing Lab			1 typing Lab			1 typing Lab		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
Undetermined			Undetermined			Undetermined			no consensus		

Method: Flow Cytometry											
*** Serum 1265 ***			*** Serum 1266 ***			*** Serum 1267 ***			*** Serum 1268 ***		
2 typing Labs			2 typing Labs			2 typing Labs			2 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
no specificities assigned			no specificities assigned			no specificities assigned			no specificities assigned		

Table 20. Summary of the 568th Serum Exchange (Serum #1265-1268) by Other and C1q- class II

Method: Other											
*** Serum 1265 ***			*** Serum 1266 ***			*** Serum 1267 ***			*** Serum 1268 ***		
2 typing Labs			2 typing Labs			2 typing Labs			2 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
DR17	100%	100%	DQ7	100%	100%	DQ7	100%	100%	DQ2	100%	100%
DR18	100%	100%	DQ8	100%	100%	DQ8	100%	100%	DQ5	100%	100%
DR52	50%	100%	DQ9	100%	100%	DQ9	100%	100%	DR4	100%	100%
			DR4	50%	100%	DQ4	50%	100%	DR53	100%	100%
						DR1	50%	100%	DR7	100%	100%
						DR11	50%	100%	DR9	100%	100%
						DR4	50%	100%	DQ8	50%	100%
						DR9	50%	100%	DQ9	50%	100%
									DR10	50%	100%

Other = Luminex PRA

Method: C1q											
*** Serum 1265 ***			*** Serum 1266 ***			*** Serum 1267 ***			*** Serum 1268 ***		
1 typing Lab			1 typing Lab			1 typing Lab			1 typing Lab		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
	NT			NT			no consensus			no consensus	

Table 21. Summary of the 568th Serum Exchange (Serum #1265-1268) by Luminex - class II

Method: Luminex											
*** Serum 1265 ***			*** Serum 1266 ***			*** Serum 1267 ***			*** Serum 1268 ***		
26 typing Labs			26 typing Labs			26 typing Labs			26 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
DR17	96%	100%	DQ7	96%	100%	DR1	96%	100%	DQ2	93%	100%
DR18	96%	100%	DQ8	96%	100%	DR4	96%	100%	DR4	92%	100%
DR52	88%	43%	DQ9	96%	100%	DQ7	92%	100%	DR53	92%	100%
DR14	58%	86%	DR4	96%	100%	DQ8	92%	100%	DR7	88%	100%
DR13	58%	62%	DR53	92%	71%	DQ9	92%	100%	DR9	88%	100%
DQ2	35%	60%	DR9	46%	100%	DR11	92%	100%	DQ8	88%	83%
DQ4	23%	50%	DQA1*03	42%	100%	DR53	92%	100%	DQ5	85%	70%
DQ5	19%	50%	DQA1*05	31%	100%	DPw2	85%	100%	DR10	81%	100%
DR11	19%	50%	DQ4	27%	100%	DPw3	85%	100%	DQ9	77%	78%
DR12	19%	50%	DR7	27%	100%	DP18	81%	100%	DQA1*02	65%	100%
DQ6	15%	50%	DQ2	19%	100%	DP28	81%	100%	DQA1*03	62%	100%
DQA1*05	12%	100%	DQA1*06	12%	100%	DPw6	81%	100%	DQ6	46%	100%
						DQ4	81%	100%	DQ4	46%	75%
						DR9	81%	100%	DQ7	31%	53%
						DP14	77%	100%	DR14	19%	100%
						DP9	77%	100%	DQA1*05	12%	100%
						DP17	69%	100%			
						DR14	69%	33%			
						DP10	65%	100%			
						DP20	62%	100%			
						DPw4	62%	100%			
						DP402	46%	100%			
						DQ2	46%	100%			
						DQA1*03	42%	100%			
						DR7	42%	100%			
						DR10	38%	100%			
						DQA1*05	35%	100%			
						DQA1*06	27%	100%			
						DQA1*04	23%	100%			
						DQA1*02	15%	100%			
						DPA1*01	12%	100%			
						DPA1*04	12%	100%			

Table 22. Individual laboratory results for Serum #1265 - 1268 by NIH-Standard and NIH-Extended - class I

		**** Serum 1265 ****					**** Serum 1266 ****			**** Serum 1267 ****										**** Serum 1268 ****										
Ctr	% POS	B12				Other	% POS	B12	Other	% POS	B12														% POS	B12	B35	B57	Other	Method
786		+						+			+															+	+	+		STD

STD = NIH-standard

		**** Serum 1265 ****					**** Serum 1266 ****			**** Serum 1267 ****										**** Serum 1268 ****								
Ctr	% POS	B49	B50	B44	B62	Other	% POS	B44	B45	Other	% POS	A23	B27	B38	B49	B51	B52	B53	B57	B58	B44	Other	% POS	B49	B51	B52	Other	Method
725	52	+	+	+	+	B27,B51,B71	17	+	+		57	+	+	+	+	+	+	+	+	+	+	A32	50	+	+	+	A24,B44,A25,B57	EXT
3753	56	+	+	+	+	B53,B35	9	+	+		69	+	+	+	+	+	+	+	+	+	+		46	+	+	+	B53,A32,B63,B38	EXT

Ext = NIH-extended

Table 23. Individual laboratory results for Serum #1265 - 1268 by Antiglobulin and Flow Cytometry - class I

**** Serum 1265 ****																	**** Serum 1266 ****																	
Ctr	% POS	B12	B13	B35	B41	B44	B45	B46	B47	B49	B50	B51	B52	B53	B60	B61	Other	% POS	B12	B41	B44	B45	B47	B49	B50	B60	B61				Other	Method		
774	76		+	+	+	+	+	+	+	+	+	+	+	+	+	+	B70,B62,B63,B72 >	52		+	+	+	+	+	+	+	+					Antiglobulin		
786		+																	+												Antiglobulin			

**** Serum 1267 ****																	**** Serum 1268 ****																		
Ctr	% POS	A23	A24	A25	A32	A80	B12	B13	B27	B35	B37	B38	B44	B47	B49	B51	Other	% POS	B57	A23	A24	A25	A32	B12	B13	B27	B35	B37	B38	B44	B47	B49	B51	Other	Method
774	77	+	+	+	+	+		+	+	+	+	+	+	+	+	+	B70,B62,B50,B52 >	62	+	+	+	+	+		+	+		+	+	+	+	+	+	B52,B53,B63,B58 >	Antiglobulin
786							+												+					+			+							Antiglobulin	

**** Serum 1265 ****																	**** Serum 1266 ****																	
Ctr	% POS																Other	% POS															Other	Method
3224	94																	70																FC
8067	95																	65																FC

**** Serum 1267 ****																	**** Serum 1268 ****																	
Ctr	% POS																Other	% POS															Other	Method
3224	90																	76																FC
8067	86																	64																FC

FC = Flow cytometry

Table 24. Individual laboratory results for Serum #1265 - 1268 by Other - class I

	**** Serum 1265 ****														**** Serum 1266 ****											
Ctr	% POS	B18	B35	B51	B52	B53	B78								Other	% POS	A1	A23	B44	B45	B49	B50	B60	B61	Other	Method
2400		+	+	+	+	+	+								A24,A2,A23,A69 >		+	+	+	+	+	+	+	+	A24,A32,Cw15	Other
3753	90	+	+	+	+	+	+								B60,B61,B62,B49 >	80	+	+	+	+	+	+	+	+	B13,B47,B41	Other

	**** Serum 1267 ****														**** Serum 1268 ****												
Ctr	% POS	A23	A24	A25	A32	B13	B27	B37	B47	B49	B51	B52	B53	B57	B58	B63	Other	% POS	A23	A24	A25	A32				Other	Method
2400		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B62,B50,B75,B35 >		+	+	+	+				B49,B13,B47,B44 >	Other
3753	94	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B44,B77,B38,B59 >	78	+	+	+	+				Bw4	Other

Other = Luminex PRA

Table 26. Individual laboratory results for Serum #1266 by Luminex - class I

**** Serum 1266 ****																															
Ctr	% POS	A1	B13	B44	B45	B49	B50	B41	B47	B60	A23	B61	B76	Cw6	A24	B62	Cw18	B82	Cw15	Cw5	Cw17	B56	B72	Cw2	B52	B35	B63	A43	Other	Method	
615		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B53,B75,B54,B55,A*24:02>	LMX	
725		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw4	LMX	
731	36	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw403,B53,B54,B58 >	LMX	
774	53	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	LMX	LMX	
786		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw4,B53,B75,B54 >	LMX	
910		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B53,B75,B54,B55 >	LMX	
1647		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	LMX	LMX	
2400		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B71	LMX	
3224		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw4,B53,B75,B54 >	LMX	
3632	91	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B53,B75,B54,B55 >	LMX	
3753		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A*24:02	LMX	
3766	90	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B8201	LMX	
3966	35	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A26,A29,A80,B71	LMX	
4322		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw4,B27,B51,B53 >	LMX	
5214	83	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B75,B71	LMX	
5219	19	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw403,A9,B40,B15 >	LMX	
5462		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B8201	LMX	
6649	31	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw4,B53,B54	LMX	
8043	68	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,A66,A74,A69 >	LMX	
8045	18	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw4,B40,B15,B8201	LMX	
8058	37																												LMX	LMX	
8062		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw4,B53,B75,B71	LMX	
8082		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw4,B53,B75,B54 >	LMX	
8086	200	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	LMX	LMX
8090		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B53,B75,B54,B55 >	LMX	
8098		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	LMX	LMX	
8100		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	LMX	LMX	
8103		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw4,Cw403,B40,B15 >	LMX	
8112	Multi	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw4,B53,B75,B54 >	LMX	

Table 28. Individual laboratory results for Serum #1268 by Luminex - class I

		**** Serum 1268 ****																																				
Ctr	% POS	A23	A24	B13	B38	B44	B51	B57	B58	B59	A25	A32	B37	B47	B49	B52	B53	B63	B77	B27	B46	B78	Cw16	Cw1	Cw10	Cw8	Cw14	B64	Cw12	Cw9	B18	Other	Method					
615		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A34,A3,B65,B*27:05	LMX					
725		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							LMX
731	29	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A2403,B7801	LMX			
774	71	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				LMX
786		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B75,A34,A29,A3 >	LMX	
910		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B75,A34,A33,A3 >	LMX	
1647		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Bw4	LMX		
2400		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A34	LMX		
3224		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B75,A34,A29,A33 >	LMX	
3632	96	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B75,A3,A43,B65 >	LMX		
3753		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Bw4,B*27:05	LMX		
3766	90	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A34,A2403,B7801	LMX		
3966	35	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A3,B65,Cw7	LMX		
4322		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B15,B75,A34,A29 >	LMX		
5214	73	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A3,B73,Bw4	LMX		
5219	28	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A9,B15,A10,B21 >	LMX		
5462		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Bw4,A2403,B7801,B*27:05	LMX		
6649	31	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Bw4	LMX		
8043	78	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A2,A34,A29,A68 >	LMX		
8045	25	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B15,Bw4,B7801	LMX		
8058	100																																				LMX	
8062		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B75,A34,A33,A3 >	LMX	
8082		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B75,A34,A3,A43 >	LMX	
8086	200	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			LMX
8090		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B75,A3,B65,B73 >	LMX	
8098		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Bw4,A2403	LMX	
8100		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A29,A43,Bw4	LMX	
8103		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B15,A3,Bw4,A2403 >	LMX	
8112	Multi	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B75,A34,A3,A43 >	LMX	

Table 29. Individual laboratory results for Serum #1265 - 1268 by C1q - class I

**** Serum 1265 ****																	**** Serum 1266 ****																							
Ctr	% POS	B13	B35	B41	B44	B45	B49	B50	B51	B52	B53	B56	B61	B62	B71	B72	B75	B77	B78	Other	% POS	B44	B45	B76															Other	Method
786		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+														B49,B50,B13,B8201	C1q	
2400		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B60		+	+	+													B82	C1q		

**** Serum 1267 ****																	**** Serum 1268 ****																						
Ctr	% POS	A23	A25	A32	B27	B37	B38	B44	B47	B49	B51	B52	B53	B57	B58	B59	B63	B77	Other	% POS	A23	A25	A32	B13	B27	B37	B38	B44	B49	B51	B52	B53	B57	B58	B59	B63	B77	Other	Method
786		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Other		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Other	C1q
2400		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	Cw4,Cw6,Cw2,Cw17>		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24,B47	C1q

Table 30. Individual laboratory results for Serum #1265 - 1268 by NIH-Extended and Other - class II

**** Serum 1265 ****					**** Serum 1266 ****					**** Serum 1267 ****					**** Serum 1268 ****					Method
Ctr	% POS			Other	% POS			Other	% POS			Other	% POS	DQ2			Other			
3753	73				14				75				64	+				EXT		

Ext = NIH-extended

**** Serum 1265 ****					**** Serum 1266 ****					**** Serum 1267 ****					**** Serum 1268 ****					Method
Ctr	% POS			Other	% POS			Other	% POS			Other	% POS				Other			
3224	65				54				95				67					FC		
8067	66				56				99				53					FC		

FC = Flow cytometry

Table 31. Individual laboratory results for Serum #1265 - 1268 by Other and C1q - class II

		**** Serum 1265 ****					**** Serum 1266 ****					**** Serum 1267 ****							**** Serum 1268 ****										
Ctr	% POS	DR17	DR18	DR52	Other	% POS	DQ7	DQ8	DQ9	DR4	Other	% POS	DQ7	DQ8	DQ9	DQ4	DR1	DR11	Other	% POS	DQ2	DQ5	DR4	DR53	DR7	DR9	Other	Method	
2400		+	+	+			+	+	+				+	+	+							+	+	+	+	+	+	DR10	Other
3753	33	+	+			47	+	+	+	+		77	+	+	+	+	+	+	DR4,DR9	83	+	+	+	+	+	+	+	DQ8,DQ9	Other

Other = Luminex PRA

		**** Serum 1265 ****					**** Serum 1266 ****					**** Serum 1267 ****							**** Serum 1268 ****										
Ctr	% POS				Other	% POS				Other	% POS	DQ7	DQ8	DQ9	DR4				Other	% POS	DQ2	DQ4	DR7	DR9			Other	Method	
2400												+	+	+	+							+	+	+	+				C1q

Table 32. Individual laboratory results for Serum #1265 - 1266 by Luminex - class II

**** Serum 1265 ****										**** Serum 1266 ****													
Ctr	% POS	DR17	DR18	DR52	DR14	DR13	DQ2	DQ4	Other	% POS	DQ7	DQ8	DQ9	DR4	DR53	DR9	DQA1*03	DQA1*05	DQ4	DR7	Other	Method	
615		+	+	+	+	+	+	+	DR11,DR12,DQ5,DQ6, DQB1*04:02, DQB1*05:02, DQB1*06:02		+	+	+	+	+	+	+	+	+	+	+	DQ2	LMX
774	31	+	+	+	+	+				49	+	+	+	+	+								LMX
910			+	+	+	+			DQA1*05,DQA1*05:01		+	+	+	+	+	+	+	+				DQA1*03:01, DQA1*03:03, DQA1*05:01	LMX
1647			+	+	+	+	+		DR11,DR12		+	+	+	+	+								LMX
2400			+	+	+						+	+	+	+	+					+			LMX
3224			+	+	+	+					+	+	+	+	+	+	+				+		LMX
3632	63	+	+	+		+				64	+	+	+	+	+					+		DQ2	LMX
3753		+	+						DRB3*01:01		+	+	+	+	+								LMX
3766	59	+	+	+	+	+		+	DRB3*01:01, DRB1*14:02, DRB1*13:01, DQA1*02:01/DQB1*04:01	67	+	+	+	+	+		+					DQA1*03:03	LMX
3966	9	+	+	+			+			22	+	+	+	+	+		+	+				DQA1*06	LMX
4322		+	+	+	+	+	+	+	DR4,DR8,DR11,DR12 >		+	+	+	+	+	+	+	+	+	+	+	DQ2,DQA1*02,DQA1*06	LMX
5214	66	+	+	+	+	+				58	+	+	+	+	+	+	+	+					LMX
5219	4	+	+	+					DR3	17	+	+	+	+	+							DQ3	LMX
5462		+	+	+							+	+	+	+	+		+						LMX
6649	10	+	+	+	+	+			DR1403,DR1404	19	+	+	+	+	+	+					+		LMX
8043	33	+	+				+			57	+	+	+	+									LMX
8045	6	+	+	+	+					18	+	+	+	+	+								LMX
8058	100									37													LMX
8062		+	+	+	+	+	+				+	+	+	+	+	+	+	+					LMX
8082		+	+	+	+	+	+	+	DR11,DR12,DQ5,DQ6>		+	+	+	+	+	+	+	+	+	+	+	DQ2,DQA1*06	LMX
8086	200	+	+	+	+	+	+	+	DR4,DR11,DR12,DQ5>	200	+	+	+	+	+								LMX
8090		+	+	+	+	+			DQB1*02:02, DQB1*05:02		+	+	+	+	+	+	+	+					LMX
8098		+	+	+							+	+	+	+	+	+					+		LMX
8100		+	+	+							+	+	+	+	+					+			LMX
8103		+	+	+					DR3		+	+	+	+	+	+					+	DQ3	LMX
8112	Multi	+	+	+	+	+	+	+	DQ5	Multi	+	+	+	+	+	+			+			DQ2	LMX

Table 33. Individual laboratory results for Serum #1267 by Luminex - class II

		**** Serum 1267 ****																													
Ctr	% POS	DR1	DR4	DQ7	DQ8	DQ9	DR11	DR53	DPw2	DPw3	DP18	DP28	DPw6	DQ4	DR9	DP14	DP9	DP17	DR14	DP10	DP20	DPw4	DP402	DQ2	DQA1*03	DR7	DR10	DQA1*05	Other	Method	
615		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		DPB1*04:02, DRB1*14:02, DRB1*14:54	LMX	
774	91	+	+	+	+	+	+	+							+																LMX
910		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+			+	+		DQA1*03:01, DQA1*05:01	LMX	
1647		+	+				+	+	+	+	+	+	+		+	+	+			+	+	+									LMX
2400		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+							LMX
3224		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+										LMX
3632	91	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+		DQA1*02,DQA1*04,DQA1*06	LMX	
3753		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+								LMX
3766	92	+	+	+	+	+	+	+	+	+	+	+		+		+	+			+	+		+	+				+	DRB1*14:02, DPB1*04:02	LMX	
3966	49	+	+	+	+	+	+	+	+	+	+	+	+	+						+	+	+			+			+	DPA1*01,DPA1*04,DQA1*06	LMX	
4322		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	DR103,DPA1*01,DPA1*02,DPA1*03 >	LMX
5214	96	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+			+				LMX
5219	38	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+			+	+			DR5,DQ3,DQA1*06	LMX	
5462		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						DRB1*14:02	LMX	
6649	42	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+			+	+		DQA1*04,DQA1*06	LMX	
8043	77	+	+	+	+	+	+							+	+					+					+					LMX	
8045	48	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+				+			+			+	DQA1*02	LMX	
8058	58																													LMX	
8062		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+	+				LMX
8082		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	DR103,DQ6,DPA1*01,DPA1*04 >	LMX
8086	200	+	+	+	+	+		+												+											LMX
8090		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				+	+	+	+	DQA1*04, DQB1*02:02	LMX	
8098		+	+	+	+	+	+	+	+	+			+	+	+							+		+							LMX
8100		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX
8103		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+					DQ3,DQA1*04,DQA1*06	LMX	
8112	Multi	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+				LMX

Table 34. Individual laboratory results for Serum #1268 by Luminex - class II

**** Serum 1268 ****																	
Ctr	% POS	DQ2	DR4	DR53	DR7	DR9	DQ8	DQ5	DR10	DQ9	DQA1*02	DQA1*03	DQ6	DQ4	DQ7	Other	Method
615		+	+	+	+	+	+	+	+	+	+	+	+			DQB1*06:09	LMX
774	69	+	+	+	+	+	+	+		+	+				+		LMX
910		+	+	+	+	+		+	+		+	+				DR14, DQA1*02:01, DQA1*03:01, DQA1*03:03	LMX
1647		+	+	+	+	+	+	+	+	+	+	+		+			LMX
2400		+	+	+	+	+	+	+	+	+			+	+	+		LMX
3224		+	+	+	+	+	+	+	+	+	+	+				DR14	LMX
3632	85	+	+	+	+	+	+	+	+	+	+	+			+		LMX
3753		+	+	+	+	+	+			+	+	+	+			DQB1*06:09	LMX
3766	82	+	+	+	+	+	+	+	+	+	+	+	+	+		DQB1*06:09, DQA1*02:01, DQA1*03:01, DQA1*01:01/DQB1*05:01	LMX
3966	32	+	+	+	+	+	+	+	+	+	+	+		+		DQA1*05	LMX
4322		+	+	+	+	+	+	+	+	+	+	+	+	+		DR14,DPw4,DP401,DQA1*01 >	LMX
5214	73	+	+	+	+	+	+	+	+	+	+	+	+				LMX
5219	24	+	+	+	+	+	+		+		+	+				DQ3	LMX
5462		+	+	+	+	+	+	+		+	+	+	+	+		DQB1*06:09	LMX
6649	27	+	+	+	+	+	+		+		+	+					LMX
8043	83	+		+			+	+	+	+							LMX
8045	27	+	+					+	+						+		LMX
8058	100																LMX
8062		+	+	+	+	+	+	+	+	+	+	+	+	+			LMX
8082		+	+	+	+	+	+	+	+	+	+	+	+	+		DR14,DQA1*05	LMX
8086	200	+	+	+	+	+	+		+					+	+		LMX
8090		+	+	+	+	+	+	+	+	+	+	+					LMX
8098		+	+	+	+	+	+	+	+	+			+	+	+		LMX
8100		+	+	+	+	+	+	+	+	+			+	+	+		LMX
8103		+	+	+	+	+	+	+	+							DQ3	LMX
8112	Multi	+	+	+	+	+	+	+	+	+			+	+	+	DR14	LMX