

SERUM EXCHANGE #556 MAY 3, 2017

Sera	1217-1220
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The results for **Serum Exchange 556 (sera 1217 - 1220)**, are summarized in Tables 31-36 and individual laboratory results by method are listed in Tables 16-31. Sera strongly positive to A1, B8, B49, and B51 were examined in this study.

1217	method	#labs	A1	B8	A23	A36	A34	A24	B18	B64	B65	B14	B59	B76	A80	A26	A25	A43	A33	A68	A69	A29	B37	B42	B38	B55	B45	B44	
class I	NIH-Std	3	100	67																									
	NIH-Ext	2	100	100	50	50																							
	AHG	2	100	100	50	100	50	50	100	50	50	100																	
	Luminex	30	100	93	100	100	100	97	100	93	87	17	100	93	93	100	97	97	97	97	90	93	100	100	100	97	97	90	
	ELISA	1	no consensus																										
	Flow	1	no specificities assigned																										
	C1q	2	100	100	100	100		100	100	100	100		100	100	100														
	Other	4	50	50	25	50	25	50	50	25	25		25	25	50	25	25	25	25	25	25	25	25	25	25	25	25	25	

1217	method	#labs	B46	B39	B82	A11	A1102	A1101	B51	B75	B41	A66	A6601	B78	B7801	B67	B54	B35	B77	A30	B71	Cw15	Cw1	B53	B3901	B62	A32
class I	Luminex	30	90	87	83	80	50	27	77	77	70	50	63	60	13	80	100	77	77	70	63	60	30	27	23	23	
	Other	4	25	25	25	25			25	25	25	25		25		25											33

1217	method	#labs	DR13	DR17	DR18	DR52	DQ2	DR7	DR14	DR11	DP10	DP14	DP9	DPw1	DQ5	DPw3	DQ6	DQA1*05	DR9	DR12	DP17	DPA1*02	DP19	DQ7	
class II	NIH-Ext	1	undefined																						
	Luminex	28	100	96	96	89	96	100	100	96	18	36	21	7	31	7		71	39	25	31	25	18	11	
	Flow	1	no specificities assigned																						
	C1q	2	100	100	100	100	100																		
	Other	3	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33								

Serum 1217 was reported as strongly positivity to A1 and B8. Anti-A23 and -A36 reactivity was also reported, along with reactivity to A24, A34, B18, B14 (B64, B65), B59, B76, and A80. Additional reactivity to A29, A11, B38, B39, A68 and A69, as well as to a number of 5C, 7C, 8C, and 10C specificities was reported by Luminex single antigen and Luminex PRA. In

addition, 4 labs reported allele level reactivity to A*24:02 and among the 4, 2 reported A*30:02 reactivity as well. For class II, anti-DR13, -DR17, -DR18, -DR52, and -DQ2 reactivity was reported by Luminex, and C1q. Reactivity to a number of DP antigens was also reported by Luminex.

1218	method	#labs	A1	A36	B52	B51	B63	B13	A23	A29	A26	A25	A24	A2403	A32	A43	A80	A11	A1101	A1102	A3	A34	A66	A6601	B37	B38	B44	B53	B57	B58	B59	B47	B77	B49	B76	B27	B45	B82	Bw4	B8	B60	B61				
class I	NIH-Std	3	75																																											
	NIH-Ext	2	100	50	50				50																																					
	AHG	2	100	100	50	50	50	50		50	50																																50	50		
	Luminex	30	100	100	100	97	97	93	100	97	100	100	100	37	93	93	93	77	30	27	60	60	20	43	100	100	100	100	100	100	100	97	97	93	93	93	40	33	47	17						
	ELISA	1	no consensus																																											
	Flow	1	no specificities assigned																																											
	C1q	2	100	50																																										
	Other	4	50	50	25	25	25	25	50	50	50	50	50		50	25	50	50			25	25	25		25	25	25	25	25	25	25	25	25	25	25	25	25	25	25							

1218	method	#labs	DR11	DR15	DR16	DR13	DR8	DR51	DQ6	DR12	DR9	DQA1*01	NEG
class II	NIH-Ext	1	undefined										
	Luminex	28	86	100	100	11	71	93	64	51	43	7	
	Flow	1	no specificities assigned										
	C1q	2										50	
	Other	3	67	33	33	33	33						

For **Serum 1218**, strong reactivity to A1 was reported. Additional reactivity to B13 and a number of 1C, 5C, and 10C specificities was reported by various methods. Luminex also reported reactivity to some 8C and 12C specificities. In addition, allele level A*27:05 reactivity was reported by several labs. For class II, anti-DR11, -DR15, and -DR16 reactivity was reported by Luminex and PRA. Additional strong anti-DR51 reactivity was also reported by Luminex, along with weaker reactivity to DR8, DR9, DR12, and DQ6. Allele level reactivity to DRB1*12:02 and DQB1*06:01 was reported by a few labs.

1219	method	#labs	B49	A32	B27	B63	Bw4	B57	B58	A24	B53	B50	B51	B5	B35	B56	B71	B44	B13	B37	B38	B52	B59	B77	B47	A23	A29	A9	A25	
class I	NIH-Std	3	33	67	33		67			33																				
	NIH-Ext	2	50	50	50		50	50	50	50																				
	AHG	2	100	100	100	50		100	50				50	50				50									50	50		
	Luminex	27	81	30		88	67				81	85	15		85	67	59													
	ELISA	1	no consensus																											
	Flow	1	no specificities assigned																											
	C1q	2	100	100	100	100	50	100	100	100	100		100					100	100	100	100	100	100	100	50	100			100	
	Other	4	50				25				50	25			50	25	25													

Serum 1219 was reported as positive to B49, along with A32, Bw4, and some 5C specificities. Several Luminex labs reported this sample as negative for class I. Hogan observed the antibodies which were detected by NIH were reduced with DTT treatment, indicating the presence of IgM antibodies. This sample was reported as negative for class II.

1219	method	#labs	NEG
class II	NIH-Ext	1	undefined
	Luminex	18	89
	Flow	1	no specificities assigned
	C1q	2	50
	Other		67

1220	method	#labs	B49	B51	B57	B58	B38	B44	B45	B50	B52	B53	B62	B71	B72	B70	B35	B13	B56	B59	B37	B41	B46	B47	Bw4	A32	A25	A23		
class I	NIH-Std	3	67	67	33	33	50	33			33	33													33	33				
	NIH-Ext	2	50	50	50	50	50	50	50	100			100	50	50		50								50					
	AHG	2	50	100			50	50		50	100						100	50										50		
	Luminex	29	100	100	100	97	100	100	100	100	100	100	97	97	97	33	100	100	100	100	100	100	100	100	33	93	100	100		
	ELISA	1	no consensus																											
	Flow	1	no specificities assigned																											
	C1q	2	100	100	100	100	100	100	100	100	100	100	100	100	100		100	100	100	100	100						100	100		
	Other	4	50	50	25	25	25	50	50	50	50	50	50	50	50			50	50	25	25	25	25	25						
1220	method	#labs	B63	B75	B77	B15	B78	B7801	A24	A2403	B18	B54	B55	B76	B60	B61	B40	B64	B39	B3901	B48	B67	B42	B65	A29	B8	B82	Cw10	Cw9	Cw3
class I	AHG	2				50					50																			
	Luminex	29	97	97	97		86	28	97	38	100	100	100	93	90	90	21	90	86	24	72	62	48	79	52	38	34	90	90	17
	C1q	2	100	100	100		100			50																				

1220	method	#labs	DR52	DR11	DR18	DR17	DQ7	DQ8	DQ9	DP18	DP28	DPw2	DP10	DR13	DPw4	DP402	DR7	DR14	DR3	DPA1*01
class II	NIH-Ext	1																		
	Luminex	27	93	100	96	93	93	89	89	85	67	63	56	56	37	30	22	22	19	15
	Flow	1	no specificities assigned																	
	C1q	2	100																	
	Other		33	33	33	33	67	67	67											

For **Serum 1220**, reactivity to B49 and B51 was reported. Additional reactivity to other 5C specificities, as well as to B38, 7C and 12C specificities was reported by various methods. Luminex reported additional strong reactivity to Cw9, Cw10, and to a number of 8C and 10C specificities. For class II, strong anti-DR52 reactivity was reported by Luminex and C1q. In addition, Luminex reported reactivity to DR11, DR17, DR18, DQ3 (DQ7, DQ8, DQ9) and reactivity to a number of DP antigens.

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Table 16. Summary of the 556th Serum Exchange (Serum #1217-1220) by NIH-Standard and NIH-Extended - class I

Method: NIH-Standard											
*** Serum 1217 ***			*** Serum 1218 ***			*** Serum 1219 ***			*** Serum 1220 ***		
3 typing Labs			4 typing Labs			3 typing Labs			3 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
A1	100%	92%	A1	75%	71%	A32	67%	100%	B49	67%	100%
B8	67%	100%				Bw4	67%	88%	B51	67%	100%
						B27	33%	100%	B44	33%	100%
						B49	33%	100%	B52	33%	100%
						A24	33%	50%	B53	33%	100%
									B57	33%	100%
									B58	33%	100%
									B70	33%	100%
									Bw4	33%	83%
									A32	33%	25%

Method: NIH-Extended											
*** Serum 1217 ***			*** Serum 1218 ***			*** Serum 1219 ***			*** Serum 1220 ***		
2 typing Labs			2 typing Labs			2 typing Labs			2 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
A1	100%	100%	A1	100%	91%	A32	50%	100%	B50	100%	100%
B8	100%	57%	A36	50%	100%	B27	50%	100%	B62	100%	100%
A36	50%	100%	B52	50%	100%	B49	50%	100%	B38	50%	100%
A23	50%	75%	A23	50%	50%	B57	50%	100%	B44	50%	100%
						B58	50%	100%	B45	50%	100%
						Bw4	50%	97%	B49	50%	100%
						A24	50%	33%	B51	50%	100%
									B57	50%	100%
									B58	50%	100%
									B71	50%	100%
									B72	50%	100%
									Bw4	50%	97%
									B35	50%	67%

Table 17. Summary of the 556th Serum Exchange (Serum #1217-1220) by Antiglobulin and Other - class I

Method: Antiglobulin											
*** Serum 1217 ***			*** Serum 1218 ***			*** Serum 1219 ***			*** Serum 1220 ***		
2 typing Labs			2 typing Labs			2 typing Labs			2 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
A1	100%	100%	A1	100%	100%	A32	100%	100%	B35	100%	100%
B8	100%	100%	A36	100%	100%	B27	100%	100%	B51	100%	100%
B14	100%	88%	A26	50%	100%	B49	100%	100%	B52	100%	100%
A36	100%	83%	A29	50%	100%	B57	100%	75%	A23	50%	100%
B18	100%	73%	B13	50%	100%	A29	50%	100%	B13	50%	100%
A23	50%	100%	B60	50%	100%	A9	50%	100%	B15	50%	100%
A24	50%	100%	B63	50%	100%	B5	50%	100%	B18	50%	100%
A34	50%	100%	B52	50%	75%	B58	50%	100%	B38	50%	100%
B64	50%	100%	B51	50%	67%	B63	50%	100%	B44	50%	100%
B65	50%	100%	B61	50%	67%	B44	50%	88%	B49	50%	100%
						B51	50%	83%	B50	50%	100%

Method: Other											
*** Serum 1217 ***			*** Serum 1218 ***			*** Serum 1219 ***			*** Serum 1220 ***		
4 typing Labs			4 typing Labs			4 typing Labs			4 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
A1	50%	100%	A1	50%	100%	B35	50%	100%	B13	50%	100%
A36	50%	100%	A11	50%	100%	B49	50%	100%	B18	50%	100%
A80	50%	100%	A23	50%	100%	B53	50%	100%	B35	50%	100%
B18	50%	100%	A24	50%	100%	B50	25%	100%	B44	50%	100%
B8	50%	100%	A25	50%	100%	B56	25%	100%	B45	50%	100%
A24	50%	50%	A26	50%	100%	B63	25%	100%	B49	50%	100%
A11	25%	100%	A29	50%	100%	B71	25%	100%	B50	50%	100%
A23	25%	100%	A32	50%	100%				B51	50%	100%
A25	25%	100%	A36	50%	100%				B52	50%	100%
A26	25%	100%	A80	50%	100%				B53	50%	100%
A29	25%	100%	A3	25%	100%				B55	50%	100%
A32	25%	100%	A43	25%	100%				B56	50%	100%
A33	25%	100%	B13	25%	100%				B60	50%	100%
A34	25%	100%	B37	25%	100%				B62	50%	100%
A43	25%	100%	B38	25%	100%				B63	50%	100%
A68	25%	100%	B44	25%	100%				B71	50%	100%
A69	25%	100%	B45	25%	100%				B72	50%	100%
B37	25%	100%	B47	25%	100%				B75	50%	100%

Table 18. Summary of the 556th Serum Exchange (Serum #1217-1220) by C1q, ELISA, and Flow cytometry - class I

Method: C1q												
*** Serum 1217 ***			*** Serum 1218 ***			*** Serum 1219 ***			*** Serum 1220 ***			
2 typing Labs			2 typing Labs			2 typing Labs			2 typing Labs			
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	
A1	100%	100%	A1	100%	100%	A23	100%	100%	A25	100%	100%	
A23	100%	100%	A36	50%	100%	A24	100%	100%	A32	100%	100%	
A24	100%	100%				A25	100%	100%	B13	100%	100%	
A36	100%	100%				A32	100%	100%	B35	100%	100%	
A80	100%	100%				B13	100%	100%	B37	100%	100%	
B18	100%	100%				B27	100%	100%	B38	100%	100%	
B59	100%	100%				B37	100%	100%	B44	100%	100%	
B64	100%	100%				B38	100%	100%	B45	100%	100%	
B65	100%	100%				B44	100%	100%	B46	100%	100%	
B76	100%	100%				B49	100%	100%	B49	100%	100%	
B8	100%	100%				B51	100%	100%	B50	100%	100%	
						B52	100%	100%	B51	100%	100%	
						B53	100%	100%	B52	100%	100%	
						B57	100%	100%	B53	100%	100%	
						B58	100%	100%	B56	100%	100%	
						B59	100%	100%	B57	100%	100%	
						B63	100%	100%	B58	100%	100%	
						B77	100%	100%	B59	100%	100%	
						B47	50%	100%	B62	100%	100%	
						Bw4	50%	100%	B63	100%	100%	
									B71	100%	100%	
									B72	100%	100%	
									B75	100%	100%	
									B77	100%	100%	
									B78	100%	100%	

Method: ELISA												
*** Serum 1217 ***			*** Serum 1218 ***			*** Serum 1219 ***			*** Serum 1220 ***			
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: Flow Cytometry												
*** Serum 1217 ***			*** Serum 1218 ***			*** Serum 1219 ***			*** Serum 1220 ***			
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 antigens assigned			no antigens assigned			no antigens assigned			no antigens assigned			

Table 19. Summary of the 556th Serum Exchange (Serum #1217-1220) by Luminex - class I

Method: Luminex											
*** Serum 1217 ***			*** Serum 1218 ***			*** Serum 1219 ***			*** Serum 1220 ***		
30 typing Labs			30 typing Labs			27 typing Labs			29 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
A1	100%	100%	A1	100%	100%	B63	88%	67%	A23	100%	100%
A23	100%	100%	A23	100%	100%	B50	85%	80%	A25	100%	100%
A26	100%	100%	A25	100%	100%	B35	85%	71%	B13	100%	100%
A36	100%	100%	A26	100%	100%	B49	81%	100%	B18	100%	100%
B18	100%	100%	A36	100%	100%	B53	81%	100%	B35	100%	100%
B37	100%	100%	B37	100%	100%	B56	67%	83%	B37	100%	100%
B42	100%	100%	B44	100%	100%	B71	59%	100%	B38	100%	100%
B54	100%	100%	B52	100%	100%	A32	30%	100%	B41	100%	100%
B59	100%	100%	B57	100%	100%	B51	15%	100%	B44	100%	100%
A34	100%	88%	B58	100%	100%				B45	100%	100%
B38	100%	83%	B59	100%	100%				B46	100%	100%
A25	97%	100%	A24	100%	93%				B47	100%	100%
A43	97%	100%	B38	100%	83%				B49	100%	100%
B55	97%	100%	B53	100%	83%				B50	100%	100%
A68	97%	83%	B47	97%	100%				B51	100%	100%
A33	97%	80%	B51	97%	100%				B52	100%	100%
B45	97%	80%	B63	97%	100%				B53	100%	100%
A24	97%	79%	B77	97%	100%				B54	100%	100%
A29	93%	100%	A29	97%	85%				B55	100%	100%
A80	93%	100%	A32	93%	100%				B56	100%	100%
B64	93%	100%	A43	93%	100%				B57	100%	100%
B76	93%	100%	A80	93%	100%				B59	100%	100%
B8	93%	100%	B49	93%	100%				A24	97%	100%
A69	90%	100%	B76	93%	100%				B58	97%	100%
B44	90%	88%	B13	93%	67%				B62	97%	100%
B46	90%	67%	B27	93%	56%				B63	97%	100%
B39	87%	100%	A11	77%	83%				B71	97%	100%
B65	87%	100%	A3	60%	100%				B72	97%	100%
B82	83%	100%	A34	60%	67%				B75	97%	100%
A11	80%	83%	Bw4	47%	100%				B77	97%	100%
B51	77%	71%	A6601	43%	50%				A32	93%	100%
B75	77%	62%	B45	40%	100%				B76	93%	100%
B41	70%	100%	A2403	37%	100%				B60	90%	100%
A6601	63%	50%	B82	33%	100%				B61	90%	100%
B78	60%	100%	A1101	30%	100%				B64	90%	100%
A66	50%	50%	A1102	27%	100%				Cw10	90%	100%
B67	43%	100%	A66	20%	100%				Cw9	90%	100%
B35	40%	100%	A74	17%	100%				B39	86%	100%

Table 19. Summary of the 556th Serum Exchange (Serum #1217-1220) by Luminex - class I

Method: Luminex - continued								
*** Serum 1217 ***			*** Serum 1218 ***			*** Serum 1220 ***		
30 typing Labs			30 typing Labs			29 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
B77	40%	100%	B8	17%	83%	B78	86%	100%
A30	40%	50%	B15	10%		B65	79%	100%
B71	37%	100%	B8201	10%		B48	72%	100%
Cw15	37%	100%				B67	62%	100%
A1102	30%	100%				A29	52%	100%
Cw1	30%	100%				B42	48%	100%
A1101	27%	100%				A2403	38%	100%
B53	27%	100%				B8	38%	100%
B3901	23%	100%				B82	34%	100%
B62	23%	100%				B7801	28%	100%
B14	17%	100%				B3901	24%	100%
B7801	13%	100%				B40	21%	100%
						Cw3	17%	100%

Table 20. Summary of the 556th Serum Exchange (Serum #1217-1220) by Other and C1q - class II

Method: Other											
*** Serum 1217 ***			*** Serum 1218 ***			*** Serum 1219 ***			*** Serum 1220 ***		
3 typing Labs			3 typing Labs			3 typing Labs			3 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
DP10	33%	100%	DR11	67%	100%	NEG	67%	100%	DQ7	67%	60%
DP14	33%	100%	DQ2	33%	100%	DR11	33%	100%	DQ8	67%	33%
DP9	33%	100%	DR13	33%	100%	DR15	33%	100%	DQ9	67%	33%
DPW1	33%	100%	DR14	33%	100%	DR16	33%	100%	DR11	33%	100%
DQ2	33%	100%	DR15	33%	100%	DR51	33%	100%	DR17	33%	100%
DQ5	33%	100%	DR16	33%	100%	DR8	33%	100%	DR18	33%	100%
DR11	33%	100%	DR17	33%	100%	DR12	33%	50%	DR52	33%	100%
DR13	33%	100%	DR18	33%	100%	DR9	33%	50%			
DR14	33%	100%	DR52	33%	100%	DQ6	33%	17%			
DR17	33%	100%	DR7	33%	100%						
DR18	33%	100%	DR8	33%	100%						
DR52	33%	100%	DQ5	33%	50%						
DR7	33%	100%	DQ7	33%	40%						
DQ6	33%	83%									
DPW3	33%	33%									

Method: C1q											
*** Serum 1217 ***			*** Serum 1218 ***			*** Serum 1219 ***			*** Serum 1220 ***		
2 typing Labs			2 typing Labs			2 typing Labs			2 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
DQ2	100%	100%	no antigens assigned			no antigens assigned			DR52	100%	100%
DR17	100%	100%									
DR18	100%	100%									
DR52	100%	100%									
DR13	50%	100%									

Table 21. Summary of the 556th Serum Exchange (Serum #1217-1220) by Luminex - class II

Method: Luminex											
*** Serum 1217 ***			*** Serum 1218 ***			*** Serum 1219 ***			*** Serum 1220 ***		
28 typing Labs			28 typing Labs			18 typing Labs			27 typing Labs		
Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion	Antigen	Consensus	Inclusion
DR13	100%	100%	DR15	100%	100%	NEG	89%	100%	DR11	100%	100%
DR14	100%	100%	DR16	100%	100%	DQ7	6%	100%	DR18	96%	100%
DR7	100%	100%	DR51	93%	85%	DQ8	6%	100%	DR17	93%	100%
DQ2	96%	100%	DR11	86%	88%	DQ9	6%	100%	DR52	93%	100%
DR11	96%	100%	DR8	71%	100%	DQA1*03	6%	100%	DQ7	93%	95%
DR17	96%	100%	DQ6	64%	17%				DQ8	89%	78%
DR18	96%	100%	DR12	51%	40%				DQ9	89%	78%
DR52	89%	100%	DR9	43%	50%				DP18	85%	100%
DQA1*05	71%	100%	DR13	11%	100%				DP28	67%	67%
DR9	39%	100%	DQA1*01	7%	100%				DPW2	63%	100%
DP14	36%	100%	DP18	4%	100%				DP10	56%	100%
DP17	31%	100%	DPA1*01	4%	100%				DR13	56%	50%
DQ5	31%	100%	DQ5	4%	100%				DPW4	37%	50%
DPA1*02	25%	100%	DR2	4%	100%				DP402	30%	100%
DR12	25%	100%							DR7	22%	100%
DP9	21%	100%							DR14	22%	67%
DPW5	21%	100%							DR3	19%	100%
DP10	18%	100%							DPA1*01	15%	100%
DP13	14%	100%							DQ3	11%	100%
DR3	14%	100%							DQA1*03	11%	100%
DP19	11%	100%							DQA1*05	11%	100%
DQ7	11%	40%							DQA1*06	11%	100%
DP28	7%	100%							DPA1*04	7%	100%
DPW1	7%	100%							DPA1*02	4%	100%
DPW3	7%	100%							DR1	4%	100%
DPW6	7%	100%							DR12	4%	100%
DQA1*01	7%	100%							DR8	4%	100%
DP11	4%	100%							DQ2	4%	20%
DPA1*04	4%	100%									
DQ1	4%	100%									
DQ3	4%	100%									
DQ4	4%	100%									
DQA1*04	4%	100%									
DR1403	4%	100%									
DR6	4%	100%									

Table 22. Individual laboratory results for Serum #1217-1220 by NIH-Standard and NIH-Extended - class I

	**** Serum 1217 ****					**** Serum 1218 ****					**** Serum 1219 ****					**** Serum 1220 ****						
Investigator	% POS	A1	B8		Other	% POS	A1			Other	% POS	A32	Bw4		Other	% POS	B49	B51		Other	Method	
Fort, Marylise	NT					0					NT					NT						STD
Hogan, Patrick	26	+	+			20	+				56	+	+			54	+	+			B44,A32,B57,B58	STD
Vasilescu, Rodica	22	+	+			14	+				42				B49,B27	40	+	+			B70,B52,B53	STD
Watson, Narelle	17	+				10	+				65	+	+		A24	65					Bw4	STD

STD = NIH-Standard

	**** Serum 1217 ****					**** Serum 1218 ****					**** Serum 1219 ****					**** Serum 1220 ****						
Investigator	% POS	A1	B8	A36	Other	% POS	A1	A36	B52	Other	% POS	A32	B27	B49	Other	% POS	B50	B62	B38	Other	Method	
Lardy, N.M.	38	+	+	+	A23	28	+	+		A23	62	+			A24,Bw4	75	+	+			B35,Bw4	EXT
Reed, Elaine F. PhD	18	+	+			21	+		+		60		+	+	B57,B58	73	+	+	+		B49,B44,B51,B45 >	EXT

EXT = NIH-Extended

Table 23. Individual laboratory results for Serum #1217-1220 by Antiglobulin ad Other - class I

**** Serum 1217 ****										**** Serum 1218 ****										
Investigator	% POS	A1	B8	B14	A36	B18	Other	% POS	A1	A36	A26	A29	B13	Other	Method					
Hahn, Amy B. PhD		+	+	+	+	+	A34,B64,B65		+	+	+	+	+	B60,B61,B51,B52 >	AHG					
Vasilescu, Rodica	22	+	+	+	+	+	A24,A23	19	+	+					AHG					

**** Serum 1219 ****							**** Serum 1220 ****										
Investigator	% POS	A32	B27	B49	B57	A29	Other	% POS	B35	B51	B52	A23	B13	Other	Method		
Hahn, Amy B. PhD		+	+	+	+	+	B44,B51,B63,B58		+	+	+	+		A24,B62,B50,B44 >	AHG		
Vasilescu, Rodica	52	+	+	+	+		A9,B5	64	+	+	+		+	B15,B70,B49,B53 >	AHG		

**** Serum 1217 ****										**** Serum 1218 ****												
Investigator	% POS	A1	A36	A80	B18	B8	A24	Other	% POS	A1	A11	A23	A24	A25	A26	A29	A32	A36	A80	Other	Method	
Hamdi, Nuha	84	+	+	+	+	+	+	A11,A66,B78,B44,B51>	82	+	+	+	+	+	+	+	+	+	+		A3,A43,A66,B49,B13,B47>	Other
Liu, Chang MD, PhD	89								87													Other
McCluskey, James	41								34													Other
Reed, Elaine F. PhD	92	+	+	+	+	+	+	A23	92	+	+	+	+	+	+	+	+	+	+			Other

**** Serum 1219 ****							**** Serum 1220 ****																					
Investigator	% POS	B35	B49	B53	B50	B56	Other	% POS	B13	B18	B35	B44	B45	B49	B50	B51	B52	B53	B55	B56	B60	B62	B63	B71	B72	B75	Other	Method
Hamdi, Nuha	18	+	+	+	+	+	B63,B71	98	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A24,B61,B48,B78 >	Other
Liu, Chang MD, PhD	15							98																				Other
McCluskey, James	56							53																				Other
Reed, Elaine F. PhD	42	+	+	+				94	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		Other

Table 26. Individual laboratory results for Serum #1217 Luminex - class I

		**** Serum 1217 ****																																							
Investigator	% POS	A1	A23	A26	A36	B18	B37	B42	B54	B59	A34	B38	A25	A43	B55	A68	A33	B45	A24	A29	A80	B64	B76	B8	A69	B44	B46	B39	B65	B82	A11	B51	B75	B41	A6601	B78	A66	Other	Method		
Al-Attas, Rabab A. M	Multi	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B53,B67,A30,B77 >	LMX	
Arnold, Paula PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A1101,A1102,B3901	LMX	
Bengochea, Carretto	39	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B3901	LMX		
Cecka, J. Michael P	71	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	LMX		
Chen, Dong-Feng P		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B67,A30,B77,B35 >	LMX		
Colombe, Beth W. F	84	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	LMX			
Daniel, Dolly	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A9,B15,A10,A28 >	LMX		
Du, Keming	34	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B49,B13,B27,B7 >	LMX		
Dunckley, Heather	97	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B67,A30,B77,B35 >	LMX		
Eckels/CPMC,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B67	LMX	
Fort, Marylise		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B62,B53,B67,A30 >	LMX	
Gideoni, Osnat	92	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,B48,B62,B49 >	LMX	
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B67,A30,B77,B35 >	LMX	
Hogan, Patrick	41	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B71	LMX	
Holdsworth, Rhonda		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B62,B53,B67,A30 >	LMX	
Lardy, N.M.		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX	
Liu, Chang MD, PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX	
Loewenthal , Ron M	39	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B7801,A1101,A1102>	LMX	
Mayne, Elizabeth	38	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B15,B14,A1101,A1102>	LMX	
McCluskey, James		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B62,B53,B67,A30 >	LMX
Pancoska, Carol Ph	67	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX	
Permpikul, Vejbaesy	42	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX	
Pule, Ziningi	39	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B15,B14,BW4,BW6	LMX	
Reed, Elaine F. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		LMX
Sacchi, Nicoletta		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B49,B13,B27,B7 >	LMX
V.Brouard, M.Tonye	85	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B67,A30,B14,B77 >	LMX	
Vasilescu, Rodica		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B62,B53,B67,A30 >	LMX
Vather/JHB,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B62,B53,B67,A30 >	LMX
Vather/Pinetown,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B62,B53,B67,A30 >	LMX
Xu, Ri	36	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B14,B12C,B5C,B8C >	LMX	

Table 28. Individual laboratory results for Serum #1219 Luminex - class I

**** Serum 1219 ****											
Investigator	% POS	B63	B50	B35	B49	B53	B56	B71	A32	Other	Method
Al-Attas, Rabab A. M	Multi	+	+	+	+	+	+	+	+		LMX
Arnold, Paula PhD		+	+	+	+	+	+	+			LMX
Bengochea, Carrette	0										LMX
Cecka, J. Michael P	13	+	+	+	+	+	+				LMX
Chen, Dong-Feng P		+	+	+	+	+	+	+			LMX
Colombe, Beth W. F	30	+	+	+	+	+	+	+			LMX
Daniel, Dolly	1	+			+					B15	LMX
Du, Keming	7	+	+	+		+	+	+		B46	LMX
Dunckley, Heather	19	+	+	+	+	+	+	+			LMX
Eckels/CPMC,		+	+	+	+	+	+	+			LMX
Fort, Marylise	NT										LMX
Gideoni, Osnat											LMX
Hahn, Amy B. PhD		+	+	+	+	+	+	+			LMX
Hogan, Patrick	0										LMX
Holdsworth, Rhonda		+	+	+	+	+	+	+	+	B27,B51,B38,B58 >	LMX
Lardy, N.M.		+	+	+	+	+					LMX
Liu, Chang MD, PhD		+	+	+	+	+	+	+			LMX
Loewenthal , Ron M	5	+	+	+	+	+					LMX
Mayne, Elizabeth	7	+	+	+	+	+			+	B15,B27,B38	LMX
McCluskey, James		+	+	+	+	+	+	+	+		LMX
Pancoska, Carol Ph	18	+	+	+	+	+					LMX
Permpikul, Vejbaesy											LMX
Pule, Ziningi	0										LMX
Reed, Elaine F. PhD		+	+	+	+	+	+	+			LMX
Sacchi, Nicoletta		+	+	+			+			B46	LMX
V.Brouard, M.Tonye	10	+	+	+	+	+	+	+	+		LMX
Vasilescu, Rodica		+	+	+	+	+	+	+	+	B51,B8101	LMX
Vather/JHB,		+	+	+	+	+	+	+	+	B51,B81	LMX
Vather/Pinetown,		+	+	+	+	+	+	+	+	B51	LMX
Xu, Ri	6	+	+	+	+	+				B12C,B5C	LMX

Table 29. Individual laboratory results for Serum #1220 Luminex - class I

		**** Serum 1220 ****																																														
Investigator	% POS	A23	A25	B13	B18	B35	B37	B38	B41	B44	B45	B46	B47	B49	B50	B51	B52	B53	B54	B55	B56	B57	B59	A24	B58	B62	B63	B71	B72	B75	B77	A32	B76	B60	B61	B64	Cw10	Cw9	B39	B78	Other	Method						
Al-Attas, Rabab A. M	Multi	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B67,A29,B65 >	LMX				
Arnold, Paula PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B65,A2403,B7801>	LMX			
Bengochea, Carrette	47	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B82,A29,B65,A2403>	LMX			
Cecka, J. Michael P	98	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B67,B65,BW4	LMX			
Chen, Dong-Feng P		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B67,A29,B65 >	LMX			
Colombe, Beth W. F	94	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B67,A29,B65 >	LMX			
Daniel, Dolly	37	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A9,B40,B15,B70 >	LMX			
Du, Keming	51	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,A31,B8	LMX			
Dunckley, Heather	97	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B67,A29,B65 >	LMX			
Eckels/CPMC,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B67,A29,B65 >	LMX			
Fort, Marylise	NT																																												LMX			
Gideon, Osnat	92	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	CW4,A11,A2,B48 >	LMX		
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B67,A29,B65 >	LMX		
Hogan, Patrick	46	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B82,B65	LMX		
Holdsworth, Rhonda		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,A66,B82,B67 >	LMX		
Lardy, N.M.		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B65	LMX		
Liu, Chang MD, PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B67,A29,B65 >	LMX	
Loewenthal , Ron M	47	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B40,B48,B82,B65 >	LMX		
Mayne, Elizabeth	46	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B40,B15,B82,B14 >	LMX	
McCluskey, James		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B82,B67,A29 >	LMX	
Pancoska, Carol Ph	98	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B67,B65	LMX	
Permpikul, Vejbaesy	53	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B67,B65,B42	LMX	
Pule, Ziningi	44	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B40,B15,B14,BW4 >	LMX	
Reed, Elaine F. PhD		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B67,B65	LMX	
Sacchi, Nicoletta		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,A31,B8	LMX	
V.Brouard, M.Tonye	98	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B40,B48,B67,A29 >	LMX	
Vasilescu, Rodica		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B67,A29,B65,B42 >	LMX	
Vather/JHB,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,B67,A29,B65 >	LMX	
Vather/Pinetown,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B48,A66,B82,B67 >	LMX
Xu, Ri	46	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	B40,B82,B14,B65 >	LMX	

Table 30. Individual laboratory results for Serum #1217-#1220 by various methods - class II

Investigator	**** Serum 1217 ****										**** Serum 1218 ****										**** Serum 1219 ****										**** Serum 1220 ****										Method	
	% POS	DP10	DP14	DP9	DPw1	DQ2	DQ5	DR11	DR13	DR14	Other	% POS	DR11	DQ2	DR13	DR14	DR15	DR16	DR17	DR18	DR52	Other	% POS	DR11	DR15	DR16	DR51	DR8	DR12	DR9	DQ6	Other	% POS	DQ7	DQ8	DQ9	DR11	DR17	DR18	DR52		Other
Hamdi, Nuha	30	+	+	+	+		+				DPw3,DQ6	86	+	+	+	+		+	+	+	DR7,DQ5>	46	+	+	+	+	+	+	+	+		0	+	+	+							Other
Liu, Chang MD, Ph	86											49											0									71									Other	
Reed, Elaine F. Ph	63				+		+	+	+		DR7,DR17>	40	+			+	+				DR8	0									77	+	+	+	+	+	+	+			Other	

Investigator	**** Serum 1217 ****										**** Serum 1218 ****										**** Serum 1219 ****										**** Serum 1220 ****										Method				
	% POS	DQ2	DR17	DR18	DR52	DR13	Other				Other	% POS										Other	% POS																	Other					
Colombe, Beth W.	74	+	+	+	+	+					Other	0										Other	0																		Other	C1q			
Liu, Chang MD, Ph		+	+	+	+								no specificities assigned																																C1q
Eckels/CPMC	85											54											0																			FC			
Reed, Elaine F. Ph	U											U											U																			EXT			

U = undetermined

Table 31. Individual laboratory results for Serum #1217 by Luminex - class II

		**** Serum 1217 ****																								
Investigator	% POS	DR13	DR14	DR7	DQ2	DR11	DR17	DR18	DR52	DQA1*05	DR9	DP14	DP17	DQ5	DPA1*02	DR12	DP9	DPW5	DP10	DP13	DR3	DP19	DQ7	Other	Method	
Al-Attas, Rabab A. M	Multi	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+							LMX
Arnold, Paula PhD		+	+	+	+	+	+	+	+																	LMX
Bengochea, Carrette	40	+	+	+	+	+	+	+	+	+	+	+	+			+					+		+		DQ4,DPW1,DP28,DPA1*04	LMX
Cecka, J. Michael P	83	+	+	+	+	+	+	+	+																	LMX
Chen, Dong-Feng P		+	+	+	+	+	+	+	+	+	+	+	+				+	+	+	+					DPW3,DPW6	LMX
Colombe, Beth W. F	77	+	+	+	+	+	+	+	+	+	+	+	+									+	+	+		LMX
Daniel, Dolly	20	+	+	+	+	+	+	+	+	+	+	+	+		+							+	+	+		LMX
Du, Keming	17	+	+	+	+		+	+	+																	LMX
Dunckley, Heather	77	+	+	+	+	+	+	+	+	+		+						+	+						DPW3,DQA1*01	LMX
Eckels/CPMC,		+	+	+	+	+	+	+	+	+															DQB1*05:01	LMX
Fort, Marylise		+	+	+	+	+	+	+	+					+											+	LMX
Gideoni, Osnat	67	+	+	+	+	+	+	+	+							+									+	LMX
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+																LMX
Hogan, Patrick	34	+	+	+	+	+	+	+	+	+	+	+	+		+								+			LMX
Holdsworth, Rhonda		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					DQB1*05:01,DRB1*09:01	LMX
Liu, Chang MD, PhD		+	+	+	+	+	+	+	+	+																LMX
Loewenthal , Ron M	21	+	+	+	+	+	+	+	+																DR1403	LMX
Mayne, Elizabeth	32	+	+	+	+	+	+	+	+	+	+	+	+										+			LMX
McCluskey, James		+	+	+	+	+	+	+	+	+																LMX
Pancoska, Carol Ph	26	+	+	+	+	+	+	+	+	+																LMX
Permpikul, Vejbaesy	22	+	+	+	+	+	+	+	+	+				+												LMX
Pule, Ziningi	40	+	+	+	+	+					+						+					+			DQ1,DQ3	LMX
Reed, Elaine F. PhD		+	+	+	+	+	+	+	+	+	+			+												LMX
Sacchi, Nicoletta		+	+	+	+	+	+	+	+															+		LMX
V.Brouard, M.Tonye	81	+	+	+	+	+	+	+	+	+				+	+											LMX
Vather/JHB,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				DPW1,DPW6,DP11,DQA1*01 >	LMX
Vather/Pinetown,		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						LMX
Xu, Ri	22	+	+	+	+	+	+	+	+	+													+			LMX

Table 31. Individual laboratory results for Serum #1218-#1219 by Luminex - class II

Investigator	**** Serum 1218 ****											**** Serum 1219 ****					Method	
	% POS	DR15	DR16	DR51	DR11	DR8	DQ6	DR12	DR9	DR13	Other	% POS	DQ7	DQ8	DQ9	DQA1*03		Other
Al-Attas, Rabab A. M	Multi	+	+	+	+	+	+	+	+			0						LMX
Arnold, Paula PhD		+	+	+	+		+	+			DQB1*06:01,DRB1*12:02							LMX
Bengochea, Carrette	17	+	+	+	+	+	+		+	+	DQ5,DP18,DPA1*01,DQA1*01	0						LMX
Cecka, J. Michael P	46	+	+	+	+			+				0						LMX
Chen, Dong-Feng P		+	+	+	+	+		+	+									LMX
Colombe, Beth W. F	47	+	+	+	+		+	+				0						LMX
Daniel, Dolly	5	+	+	+	+	+	+		+		DR2	0						LMX
Du, Keming	8	+	+	+			+	+										LMX
Dunckley, Heather	51	+	+	+	+	+	+	+				0						LMX
Eckels/CPMC,		+	+	+							DQB1*06:01							LMX
Fort, Marylise		+	+	+	+	+	+	+	+			NT						LMX
Gideoni, Osnat	40	+	+	+		+												LMX
Hahn, Amy B. PhD		+	+	+	+	+		+	+									LMX
Hogan, Patrick	15	+	+	+	+	+				+		0						LMX
Holdsworth, Rhonda		+	+	+	+	+	+	+	+		DQB1*06:01,DRB1*12:02		+	+	+			LMX
Liu, Chang MD, PhD		+	+	+	+			+										LMX
Loewenthal, Ron M	14	+	+		+	+		+		+		0						LMX
Mayne, Elizabeth	12	+	+	+	+	+						0						LMX
McCluskey, James		+	+	+	+	+	+	+	+		DQB1*06:01				+	DQA1*03:02		LMX
Pancoska, Carol Ph	12	+	+	+	+		+					0						LMX
Permpikul, Vejbaesy	14	+	+	+	+	+	+	+	+									LMX
Pule, Ziningi	15	+	+		+	+	+					0						LMX
Reed, Elaine F. PhD		+	+	+	+	+					DQB1*06:01,DRB1*12:02	0						LMX
Sacchi, Nicoletta		+	+	+			+					0						LMX
V.Brouard, M.Tonye	46	+	+	+	+	+	+	+	+			0						LMX
Vather/JHB,		+	+	+	+	+	+	+	+		DQA1*01							LMX
Vather/Pinetown,		+	+	+	+	+	+	+	+			0						LMX
Xu, Ri	15	+	+	+	+	+	+					0						LMX

Table 31. Individual laboratory results for Serum #1220 by Luminex - class II

		**** Serum 1220 ****																				
Investigator	% POS	DR11	DR18	DR17	DR52	DQ7	DQ8	DQ9	DP18	DP28	DPW2	DP10	DR13	DPW4	DP402	DR7	DR14	DR3	DPA1*01	Other	Method	
Al-Attas, Rabab A. M	Multi	+	+	+	+	+	+	+	+	+	+	+	+		+	+						LMX
Arnold, Paula PhD		+	+	+	+	+	+	+	+	+												LMX
Bengochea, Carrette		+	+	+	+	+	+	+	+	+				+						+	DPA1*02	LMX
Cecka, J. Michael P	71	+	+	+	+	+																LMX
Chen, Dong-Feng P		+	+	+	+	+	+	+	+	+	+	+	+		+							LMX
Colombe, Beth W. F	77	+	+	+	+	+	+	+	+	+		+										LMX
Daniel, Dolly	10	+	+	+	+	+	+	+	+	+		+	+	+				+	+	+	DQ3	LMX
Du, Keming	9	+	+	+	+		+	+														LMX
Dunckley, Heather	81	+	+	+	+	+	+	+	+	+	+	+	+	+								LMX
Eckels/CPMC,		+	+	+	+	+	+	+	+	+	+	+	+		+							LMX
Fort, Marylise	NT																					LMX
Gideoni, Osnat	67	+	+	+	+	+							+				+	+			DR12	LMX
Hahn, Amy B. PhD		+	+	+	+	+	+	+	+	+	+	+		+								LMX
Hogan, Patrick	23	+	+	+	+	+	+	+	+		+											LMX
Holdsworth, Rhonda		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					LMX
Liu, Chang MD, PhD		+	+	+	+	+	+	+	+	+	+	+		+								LMX
Loewenthal , Ron M	25	+	+		+	+	+	+	+	+		+	+	+						+		LMX
Mayne, Elizabeth	26	+	+	+	+	+	+	+	+										+		DQ3	LMX
McCluskey, James		+	+	+	+	+	+	+	+	+	+	+	+		+	+	+				DRB1*14:01	LMX
Pancoska, Carol Ph	71	+	+	+	+	+	+	+	+	+		+										LMX
Permpikul, Vejbaesy	29	+	+	+	+	+	+	+	+	+	+	+	+									LMX
Pule, Ziningi	10	+																	+		DR1	LMX
Reed, Elaine F. PhD		+	+	+	+	+	+	+	+	+	+	+	+		+							LMX
Sacchi, Nicoletta		+	+	+	+	+	+	+	+	+			+					+				LMX
V.Brouard, M.Tonye	71	+	+	+	+	+	+	+	+	+	+	+	+		+						DQA1*03,DQA1*05,DQA1*06	LMX
Vather/JHB,		+	+	+	+	+	+	+	+	+	+	+	+				+	+		+	DPA1*04,DQA1*03,DQA1*05,DQA1*06	LMX
Vather/Pinetown,		+	+	+	+	+	+	+	+	+	+	+	+				+			+	DPA1*04,DQA1*03,DQA1*05,DQA1*06	LMX
Xu, Ri	12	+	+	+	+	+	+	+	+		+			+					+		DQ3	LMX