



American Foundation for Donation and Transplantation
 8154 Forest Hill Avenue, Suite 3
 Richmond, VA 23235-3255
 Ph: (804) 323-9890

AFDT Proficiency Testing Crossmatch Summary Report

Consensus Results - Sept 2014 / Ev02

Cells *69-70*

Serum *164-168*

Crossmatch Consensus Summary

Introduction:

CDC: Consensus was reached for 19 of 20 of the crossmatches. XM 69 vs 168 reached 67% Negative for this crossmatch. The Flow XM for this same combination was 59% Positive, failing to reach consensus.

AHG: Consensus was reached for 6 of 10 AHG crossmatches. The four that did not reach consensus did reach majority concordance (3 of 4 were Neg by majority of labs). Three of these four combinations were Positive by Flow XM. Flow: All reached majority concordance, but only 13 of 20 reached consensus (>80% concordance).

XM Consensus

# Labs reporting results:			9	11			11			2		17			17		1		1
Reg	Cell	Serum	T- CDC	% T- CDC	B- CDC	% B- CDC	T- AHG	% T- AHG	B- AHG	% B- AHG	T- Flow	% T- Flow	B- Flow	% B- Flow	CLI SP	% CLI SP	CLII SP	% CLII SP	
A	69	164	N	100	N	82	N	64	NG	0	P	94	P	76	NG	0	NG	0	
A	69	165	N	89	p	82	N	73	NG	0	N	53	P	100	NG	0	NG	0	
A	69	166	N	100	N	100	N	100	NG	0	N	100	N	59	NG	0	NG	0	
A	69	167	N	100	N	100	N	100	NG	0	N	100	N	94	NG	0	NG	0	
A	69	168	N	67	P	100	N	64	NG	0	P	59	P	100	NG	0	NG	0	
A	70	164	N	100	N	91	P	64	NG	0	P	94	P	88	NG	0	NG	0	
A	70	165	N	100	N	82	N	100	NG	0	P	76	P	100	NG	0	NG	0	
A	70	166	N	100	N	100	N	100	NG	0	N	100	N	59	NG	0	NG	0	
A	70	167	N	100	N	100	N	100	NG	0	N	100	N	88	NG	0	NG	0	
A	70	168	N	100	P	100	N	100	NG	0	N	59	P	100	NG	0	NG	0	

XM Comments:

69x164 had 94% consensus Flow Positive with high channel shifts. The unacceptable antigen appeared to be B58, but the strength of the crossmatch seemed much higher than one would usually see based on the weak antibody results.

70x164 had 94% consensus Flow Positive with high channel shifts. The unacceptable antigen appeared to be B57, but the strength of the crossmatch seemed much higher than one would usually see based on the weak antibody results.

There appears to be nonspecific reactivity with this serum.

Crossmatch Consensus Summary

Introduction:

Serum 165 was predicted to be positive with B cells of Cell 69 due to anti-DQ7 and predicted to be weakly positive with T and B cells with Cell 70 due to a weak anti-B57

XM Consensus

# Labs reporting results:			9	11			11			2		17			17		1		1	
Reg	Cell	Serum	T- CDC	% T- CDC	B- CDC	% B- CDC	T- AHG	% T- AHG	B- AHG	% B- AHG	T- Flow	% T- Flow	B- Flow	% B- Flow	CLI SP	% CLI SP	CLII SP	% CLII SP		
A	69	164	N	100	N	82	N	64	NG	0	P	94	P	76	NG	0	NG	0		
A	69	165	N	89	p	82	N	73	NG	0	N	53	P	100	NG	0	NG	0		
A	69	166	N	100	N	100	N	100	NG	0	N	100	N	59	NG	0	NG	0		
A	69	167	N	100	N	100	N	100	NG	0	N	100	N	94	NG	0	NG	0		
A	69	168	N	67	P	100	N	64	NG	0	P	59	P	100	NG	0	NG	0		
A	70	164	N	100	N	91	P	64	NG	0	P	94	P	88	NG	0	NG	0		
A	70	165	N	100	N	82	N	100	NG	0	P	76	P	100	NG	0	NG	0		
A	70	166	N	100	N	100	N	100	NG	0	N	100	N	59	NG	0	NG	0		
A	70	167	N	100	N	100	N	100	NG	0	N	100	N	88	NG	0	NG	0		
A	70	168	N	100	P	100	N	100	NG	0	N	59	P	100	NG	0	NG	0		

XM Comments:

69x165: 53% reported T cell Negative with Flow as expected, but 47% reported positive. This serum did not reach consensus with screening tests and is also showing some possible non-HLA reactivity with the T cells. There was a strong reaction with the B cells, which correlates with antibody against DQ7.

70x165: The Flow T cell reactivity reached 76% concordance for a Positive reaction. The channel shift was low, which correlates with a weak anti-B57. The Flow B was positive, reaching consensus with 100% concordance.

Crossmatch Consensus Summary

Introduction:

Serum 166 was PRA negative and predicted to be Negative with both T and B cells

XM Consensus

# Labs reporting results:			9		11		11		2		17		17		1		1	
Reg	Cell	Serum	T- CDC	% T- CDC	B- CDC	% B- CDC	T- AHG	% T- AHG	B- AHG	% B- AHG	T- Flow	% T- Flow	B- Flow	% B- Flow	CLI SP	% CLI SP	CLII SP	% CLII SP
A	69	164	N	100	N	82	N	64	NG	0	P	94	P	76	NG	0	NG	0
A	69	165	N	89	p	82	N	73	NG	0	N	53	P	100	NG	0	NG	0
A	69	166	N	100	N	100	N	100	NG	0	N	100	N	59	NG	0	NG	0
A	69	167	N	100	N	100	N	100	NG	0	N	100	N	94	NG	0	NG	0
A	69	168	N	67	P	100	N	64	NG	0	P	59	P	100	NG	0	NG	0
A	70	164	N	100	N	91	P	64	NG	0	P	94	P	88	NG	0	NG	0
A	70	165	N	100	N	82	N	100	NG	0	P	76	P	100	NG	0	NG	0
A	70	166	N	100	N	100	N	100	NG	0	N	100	N	59	NG	0	NG	0
A	70	167	N	100	N	100	N	100	NG	0	N	100	N	88	NG	0	NG	0
A	70	168	N	100	P	100	N	100	NG	0	N	59	P	100	NG	0	NG	0

XM Comments:

69x166: This serum was Negative for HLA antibody. However, only 59% of the labs reported Negative for the Flow B cell. Possible nonspecific autoantibody may be present in this serum.

70x166; This serum was Negative for HLA antibody. However, only 59% of the labs reported Negative for the Flow B cell. Possible nonspecific autoantibody may be present in this serum.

Crossmatch Consensus Summary

Introduction:

Serum 167 was PRA negative and was predicted to be Negative for both T and B cells.

XM Consensus

# Labs reporting results:			9		11		11		2		17		17		1		1	
Reg	Cell	Serum	T- CDC	% T- CDC	B- CDC	% B- CDC	T- AHG	% T- AHG	B- AHG	% B- AHG	T- Flow	% T- Flow	B- Flow	% B- Flow	CLI SP	% CLI SP	CLII SP	% CLII SP
A	69	164	N	100	N	82	N	64	NG	0	P	94	P	76	NG	0	NG	0
A	69	165	N	89	p	82	N	73	NG	0	N	53	P	100	NG	0	NG	0
A	69	166	N	100	N	100	N	100	NG	0	N	100	N	59	NG	0	NG	0
A	69	167	N	100	N	100	N	100	NG	0	N	100	N	94	NG	0	NG	0
A	69	168	N	67	P	100	N	64	NG	0	P	59	P	100	NG	0	NG	0
A	70	164	N	100	N	91	P	64	NG	0	P	94	P	88	NG	0	NG	0
A	70	165	N	100	N	82	N	100	NG	0	P	76	P	100	NG	0	NG	0
A	70	166	N	100	N	100	N	100	NG	0	N	100	N	59	NG	0	NG	0
A	70	167	N	100	N	100	N	100	NG	0	N	100	N	88	NG	0	NG	0
A	70	168	N	100	P	100	N	100	NG	0	N	59	P	100	NG	0	NG	0

XM Comments:

69x167: As expected, this serum reached consensus Negative for T and B cells.

70x167: As expected, this serum reached consensus Negative for T and B cells.

Crossmatch Consensus Summary

Introduction:

Serum 168 was predicted to be positive with B cells of Cell 69 due to anti-DQ7

Serum 168 was predicted to be positive with B cells of Cell 70 due to anti-DQ2

XM Consensus

# Labs reporting results:			9		11		11		2		17		17		1		1	
Reg	Cell	Serum	T- CDC	% T- CDC	B- CDC	% B- CDC	T- AHG	% T- AHG	B- AHG	% B- AHG	T- Flow	% T- Flow	B- Flow	% B- Flow	CLI SP	% CLI SP	CLII SP	% CLII SP
A	69	164	N	100	N	82	N	64	NG	0	P	94	P	76	NG	0	NG	0
A	69	165	N	89	p	82	N	73	NG	0	N	53	P	100	NG	0	NG	0
A	69	166	N	100	N	100	N	100	NG	0	N	100	N	59	NG	0	NG	0
A	69	167	N	100	N	100	N	100	NG	0	N	100	N	94	NG	0	NG	0
A	69	168	N	67	P	100	N	64	NG	0	P	59	P	100	NG	0	NG	0
A	70	164	N	100	N	91	P	64	NG	0	P	94	P	88	NG	0	NG	0
A	70	165	N	100	N	82	N	100	NG	0	P	76	P	100	NG	0	NG	0
A	70	166	N	100	N	100	N	100	NG	0	N	100	N	59	NG	0	NG	0
A	70	167	N	100	N	100	N	100	NG	0	N	100	N	88	NG	0	NG	0
A	70	168	N	100	P	100	N	100	NG	0	N	59	P	100	NG	0	NG	0

XM Comments:

69x168: 100% of labs reported Flow Pos B cell XM, as expected; However, 41% also reported Positive T cell XM, which cannot be explained by HLA antibody against Class I. Possible non-HLA specific reactivity.

70x168: 100% of labs reported Flow Pos B cell XM, as expected; However, 41% also reported Positive T cell XM, which cannot be explained by HLA antibody against Class I. Possible non-HLA specific reactivity.