

Key: >>> ... marks correct (expected) result

> ... marks conditionally correct (acceptable) result

± ... marks the result not evaluated

N ... number of the results

Nrel ... relative number of the results

Test

Sample	Group		N	Result	N _{rel}
(1001) DAT (direct Coombs test)					
1	(1) Column agglutination - automat	>>>	6	Positive (1+)	7,0 %
		>	10	Positive (2+)	12 %
		>	1	Positive (3+)	1,2 %
	(2) Column agglutination - manual	>>>	11	Positive (1+)	13 %
		>	44	Positive (2+)	51 %
		>	11	Positive (3+)	13 %
		>	1	Positive (4+)	1,2 %
	(3) Tube test	>>>	1	Positive (1+)	1,2 %
		>	1	Positive (2+)	1,2 %
----- Total per sample: n = 86 -----		Success: 100 %	-----		
2	(1) Column agglutination - automat		1	Negative	1,2 %
		>	8	Positive (1+)	9,3 %
		>>>	7	Positive (2+)	8,1 %
		>	1	Positive (3+)	1,2 %
	(2) Column agglutination - manual	>	35	Positive (1+)	41 %
		>>>	26	Positive (2+)	30 %
		>	6	Positive (3+)	7,0 %
	(3) Tube test		1	Negative	1,2 %
		>	1	Positive (1+)	1,2 %
----- Total per sample: n = 86 -----		Success: 98 %	-----		
Total success: 98 %					
(1002) Sensitization specificity anti-IgG					
1	(0) Not specified	>>>	1	Negative	2,5 %
	(1) Column agglutination - automat	>>>	2	Negative	5,0 %
	(2) Column agglutination - manual	>>>	37	Negative	93 %
----- Total per sample: n = 40 -----		Success: 100 %	-----		
2	(0) Not specified	>>>	1	Positive (2+)	2,5 %
	(1) Column agglutination - automat	>	1	Positive (1+)	2,5 %
		>>>	1	Positive (2+)	2,5 %
	(2) Column agglutination - manual	>	25	Positive (1+)	63 %
		>>>	12	Positive (2+)	30 %
----- Total per sample: n = 40 -----		Success: 100 %	-----		
Total success: 100 %					
(1003) Sensitization specificity anti-IgA					
1	(1) Column agglutination - automat	>>>	1	Negative	3,2 %
	(2) Column agglutination - manual	>>>	30	Negative	97 %
----- Total per sample: n = 31 -----		Success: 100 %	-----		
2	(1) Column agglutination - automat	>>>	1	Negative	3,2 %
	(2) Column agglutination - manual	>>>	30	Negative	97 %
----- Total per sample: n = 31 -----		Success: 100 %	-----		
Total success: 100 %					
(1004) Sensitization specificity anti-IgM					
1	(1) Column agglutination - automat	>>>	1	Negative	3,2 %
	(2) Column agglutination - manual	>>>	30	Negative	97 %
----- Total per sample: n = 31 -----		Success: 100 %	-----		
2	(1) Column agglutination - automat	>>>	1	Negative	3,2 %
	(2) Column agglutination - manual	>>>	30	Negative	97 %
----- Total per sample: n = 31 -----		Success: 100 %	-----		
Total success: 100 %					
(1005) Sensitization specificity anti-C3c					
1	(0) Not specified	>>>	1	Positive (3+)	3,1 %
	(1) Column agglutination - automat	>>>	1	Negative	3,1 %
	(2) Column agglutination - manual	>>>	25	Negative	78 %
		>>>	3	Positive (1+)	9,4 %
		>>>	1	Positive (2+)	3,1 %
		>>>	1	Positive (3+)	3,1 %
----- Total per sample: n = 32 -----		Success: 100 %	-----		
2	(0) Not specified	>>>	1	Negative	3,1 %
	(1) Column agglutination - automat	>>>	1	Negative	3,1 %
	(2) Column agglutination - manual	>>>	30	Negative	94 %
----- Total per sample: n = 32 -----		Success: 100 %	-----		
Total success: 100 %					
(1006) Sensitization specificity anti-C3d					

Summary statistics - qualitative results

(Groups: measurement principle)

EQA round: PAT1/20 - Direct Antiglobulin Test

Deadline: 04.06.2020

Test

Sample	Group	N	Result	N _{rel}
1	(1) Column agglutination - automat	>>>	2 Positive (2+)	5,4 %
	(2) Column agglutination - manual		1 Negative	2,7 %
		>	8 Positive (1+)	22 %
		>>>	25 Positive (2+)	68 %
	(3) Tube test	>>>	1 Positive (2+)	2,7 %
----- Total per sample: n = 37 -----		Success: 97 %		
2	(1) Column agglutination - automat	>>>	2 Negative	5,4 %
	(2) Column agglutination - manual	>>>	34 Negative	92 %
	(3) Tube test	>>>	1 Negative	2,7 %
----- Total per sample: n = 37 -----		Success: 100 %		

Total success: 97 %

(1008) Col. agglut: Quantif. IgG-DAT

1	(0) Not specified	>>>	1 Negative	4,2 %
	(1) Column agglutination - automat	>>>	1 Negative	4,2 %
	(2) Column agglutination - manual	>	3 Not specified	13 %
		>>>	19 Negative	79 %
----- Total per sample: n = 24 -----		Success: 100 %		
2	(0) Not specified	>	1 Negative	4,2 %
	(1) Column agglutination - automat	>>>	1 1:10	4,2 %
	(2) Column agglutination - manual	>	14 Negative	58 %
		>>>	8 1:10	33 %
----- Total per sample: n = 24 -----		Success: 100 %		

Total success: 100 %

(1009) Col. agglut: Subclass IgG1 1:1

1	(1) Column agglutination - automat	>>>	1 Negative	4,8 %
	(2) Column agglutination - manual	>	2 Not specified	9,5 %
		>>>	18 Negative	86 %
----- Total per sample: n = 21 -----		Success: 100 %		
2	(1) Column agglutination - automat	>>>	1 Negative	4,8 %
	(2) Column agglutination - manual	>>>	20 Negative	95 %
----- Total per sample: n = 21 -----		Success: 100 %		

Total success: 100 %

(1010) Col. agglut: Subclass IgG1 1:100

1	(1) Column agglutination - automat	>>>	1 Negative	4,8 %
	(2) Column agglutination - manual	>	2 Not specified	9,5 %
		>>>	18 Negative	86 %
----- Total per sample: n = 21 -----		Success: 100 %		
2	(1) Column agglutination - automat	>>>	1 Negative	4,8 %
	(2) Column agglutination - manual	>>>	20 Negative	95 %
----- Total per sample: n = 21 -----		Success: 100 %		

Total success: 100 %

(1011) Col. agglut: Subclass IgG3 1:1

1	(1) Column agglutination - automat	>>>	1 Negative	4,8 %
	(2) Column agglutination - manual	>	2 Not specified	9,5 %
		>>>	18 Negative	86 %
----- Total per sample: n = 21 -----		Success: 100 %		
2	(1) Column agglutination - automat	>>>	1 Negative	4,8 %
	(2) Column agglutination - manual	>>>	20 Negative	95 %
----- Total per sample: n = 21 -----		Success: 100 %		

Total success: 100 %

(1012) Col. agglut: Subclass IgG3 1:100

1	(1) Column agglutination - automat	>>>	1 Negative	4,8 %
	(2) Column agglutination - manual	>	2 Not specified	9,5 %
		>>>	18 Negative	86 %
----- Total per sample: n = 21 -----		Success: 100 %		
2	(1) Column agglutination - automat	>>>	1 Negative	4,8 %
	(2) Column agglutination - manual	>>>	20 Negative	95 %
----- Total per sample: n = 21 -----		Success: 100 %		

Total success: 100 %

(1019) AB0 blood group

1	(1) Column agglutination - automat	>>>	12 Blood group: 0	21 %
	(2) Column agglutination - manual	>>>	20 Blood group: 0	36 %
	(3) Tube test	>>>	20 Blood group: 0	36 %
	(4) Solid phase	>>>	3 Blood group: 0	5,4 %
	(99) Another measurement principle	>>>	1 Blood group: 0	1,8 %
----- Total per sample: n = 56 -----		Success: 100 %		
2	(1) Column agglutination - automat	>>>	12 Blood group: B	21 %

Test					
Sample	Group		N	Result	N _{rel}
2	(2) Column agglutination - manual	>>>	20	Blood group: B	36 %
	(3) Tube test	>>>	20	Blood group: B	36 %
	(4) Solid phase	>>>	3	Blood group: B	5,4 %
	(99) Another measurement principle	>>>	1	Blood group: B	1,8 %
	Total per sample: n = 56		Success: 100 %		
Total success: 100 %					
(1020) Rh D antigen					
1	(1) Column agglutination - automat	>>>	12	Positive (RhD+)	21 %
	(2) Column agglutination - manual	>>>	20	Positive (RhD+)	36 %
	(3) Tube test	>>>	22	Positive (RhD+)	39 %
	(4) Solid phase	>>>	1	Positive (RhD+)	1,8 %
	(99) Another measurement principle	>>>	1	Positive (RhD+)	1,8 %
Total per sample: n = 56		Success: 100 %			
2	(1) Column agglutination - automat	>>>	12	Negative (RhD-)	21 %
	(2) Column agglutination - manual	>>>	19	Negative (RhD-)	34 %
			1	w/v (RhD weak/variant)	1,8 %
	(3) Tube test	>>>	22	Negative (RhD-)	39 %
	(4) Solid phase	>>>	1	Negative (RhD-)	1,8 %
(99) Another measurement principle	>>>	1	Negative (RhD-)	1,8 %	
Total per sample: n = 56		Success: 98 %			
Total success: 98 %					
(1021) Antigen C					
1	(1) Column agglutination - automat	>>>	6	Positive	13 %
	(2) Column agglutination - manual	>>>	25	Positive	54 %
	(3) Tube test	>>>	12	Positive	26 %
	(4) Solid phase	>>>	2	Positive	4,3 %
	(99) Another measurement principle	>>>	1	Positive	2,2 %
Total per sample: n = 46		Success: 100 %			
2	(1) Column agglutination - automat	>>>	6	Negative	13 %
	(2) Column agglutination - manual	>>>	25	Negative	54 %
	(3) Tube test	>>>	12	Negative	26 %
	(4) Solid phase	>>>	2	Negative	4,3 %
	(99) Another measurement principle	>>>	1	Negative	2,2 %
Total per sample: n = 46		Success: 100 %			
Total success: 100 %					
(1022) Antigen c					
1	(1) Column agglutination - automat	>>>	6	Positive	13 %
	(2) Column agglutination - manual	>>>	25	Positive	54 %
	(3) Tube test	>>>	12	Positive	26 %
	(4) Solid phase	>>>	2	Positive	4,3 %
	(99) Another measurement principle	>>>	1	Positive	2,2 %
Total per sample: n = 46		Success: 100 %			
2	(1) Column agglutination - automat	>>>	6	Positive	13 %
	(2) Column agglutination - manual	>>>	25	Positive	54 %
	(3) Tube test	>>>	12	Positive	26 %
	(4) Solid phase	>>>	2	Positive	4,3 %
	(99) Another measurement principle	>>>	1	Positive	2,2 %
Total per sample: n = 46		Success: 100 %			
Total success: 100 %					
(1023) Antigen Cw					
1	(1) Column agglutination - automat	>>>	3	Negative	7,9 %
	(2) Column agglutination - manual	>>>	18	Negative	47 %
	(3) Tube test	>>>	14	Negative	37 %
	(4) Solid phase	>>>	2	Negative	5,3 %
	(99) Another measurement principle	>>>	1	Negative	2,6 %
Total per sample: n = 38		Success: 100 %			
2	(1) Column agglutination - automat	>>>	3	Negative	7,9 %
	(2) Column agglutination - manual	>>>	18	Negative	47 %
	(3) Tube test	>>>	14	Negative	37 %
	(4) Solid phase	>>>	2	Negative	5,3 %
	(99) Another measurement principle	>>>	1	Negative	2,6 %
Total per sample: n = 38		Success: 100 %			
Total success: 100 %					
(1024) Antigen E					
1	(1) Column agglutination - automat	>>>	6	Negative	13 %
	(2) Column agglutination - manual	>>>	25	Negative	54 %
	(3) Tube test	>>>	12	Negative	26 %

Test

Sample	Group	N	Result	N _{rel}
1	(4) Solid phase	>>>	2 Negative	4,3 %
	(99) Another measurement principle	>>>	1 Negative	2,2 %
	Total per sample: n = 46		Success: 100 %	
2	(1) Column agglutination - automat	>>>	6 Negative	13 %
	(2) Column agglutination - manual	>>>	25 Negative	54 %
	(3) Tube test	>>>	12 Negative	26 %
	(4) Solid phase	>>>	2 Negative	4,3 %
	(99) Another measurement principle	>>>	1 Negative	2,2 %
Total per sample: n = 46		Success: 100 %		
Total success: 100 %				

(1025) Antigen e

1	(1) Column agglutination - automat	>>>	6 Positive	13 %
	(2) Column agglutination - manual	>>>	25 Positive	54 %
	(3) Tube test	>>>	12 Positive	26 %
	(4) Solid phase	>>>	2 Positive	4,3 %
	(99) Another measurement principle	>>>	1 Positive	2,2 %
Total per sample: n = 46		Success: 100 %		
2	(1) Column agglutination - automat	>>>	6 Positive	13 %
	(2) Column agglutination - manual	>>>	25 Positive	54 %
	(3) Tube test	>>>	12 Positive	26 %
	(4) Solid phase	>>>	2 Positive	4,3 %
	(99) Another measurement principle	>>>	1 Positive	2,2 %
Total per sample: n = 46		Success: 100 %		
Total success: 100 %				

(1026) Antigen K

1	(1) Column agglutination - automat	>>>	6 Negative	13 %
	(2) Column agglutination - manual	>>>	26 Negative	55 %
	(3) Tube test	>>>	12 Negative	26 %
	(4) Solid phase	>>>	2 Negative	4,3 %
	(99) Another measurement principle	>>>	1 Negative	2,1 %
Total per sample: n = 47		Success: 100 %		
2	(1) Column agglutination - automat	>>>	6 Negative	13 %
	(2) Column agglutination - manual	>>>	26 Negative	55 %
	(3) Tube test	>>>	12 Negative	26 %
	(4) Solid phase	>>>	2 Negative	4,3 %
	(99) Another measurement principle	>>>	1 Negative	2,1 %
Total per sample: n = 47		Success: 100 %		
Total success: 100 %				

(1027) Antigen k

1	(2) Column agglutination - manual	>>>	8 Positive	33 %
	(3) Tube test	>>>	16 Positive	67 %
Total per sample: n = 24		Success: 100 %		
2	(2) Column agglutination - manual	>>>	1 Not specified	4,2 %
	(3) Tube test	>>>	7 Positive	29 %
Total per sample: n = 24		Success: 96 %		
Total success: 96 %				

(1028) Antigen M

1	(2) Column agglutination - manual	>>>	6 Positive	22 %
	(3) Tube test	>>>	21 Positive	78 %
Total per sample: n = 27		Success: 100 %		
2	(2) Column agglutination - manual	>>>	6 Positive	22 %
	(3) Tube test	>>>	21 Positive	78 %
Total per sample: n = 27		Success: 100 %		
Total success: 100 %				

(1029) Antigen N

1	(2) Column agglutination - manual	>>>	6 Positive	24 %
	(3) Tube test	>>>	1 Negative	4,0 %
Total per sample: n = 25		Success: 96 %		
2	(2) Column agglutination - manual	>>>	6 Positive	24 %
	(3) Tube test	>>>	19 Positive	76 %
Total per sample: n = 25		Success: 100 %		
Total success: 96 %				

(1030) Antigen S

1	(2) Column agglutination - manual	>>>	4 Positive	15 %
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Test			N	Result	N _{rel}
Sample	Group				
1	(3) Tube test	>>>	22	Positive	85 %
----- Total per sample: n = 26 -----		Success: 100 %			
2	(2) Column agglutination - manual	>>>	4	Positive	15 %
	(3) Tube test	>>>	22	Positive	85 %
----- Total per sample: n = 26 -----		Success: 100 %			
Total success: 100 %					
(1031) Antigen s					
1	(2) Column agglutination - manual	>>>	2	Negative	11 %
			2	Positive	11 %
	(3) Tube test	>>>	14	Negative	78 %
----- Total per sample: n = 18 -----		Success: 89 %			
2	(2) Column agglutination - manual	>>>	4	Positive	22 %
	(3) Tube test	>>>	14	Positive	78 %
----- Total per sample: n = 18 -----		Success: 100 %			
Total success: 89 %					
(1032) Antigen P1					
1	(2) Column agglutination - manual	>>>	3	Positive	13 %
	(3) Tube test	>>>	20	Positive	87 %
----- Total per sample: n = 23 -----		Success: 100 %			
2	(2) Column agglutination - manual	>>>	3	Negative	13 %
	(3) Tube test	>>>	20	Negative	87 %
----- Total per sample: n = 23 -----		Success: 100 %			
Total success: 100 %					
(1033) Antigen Jka					
1	(2) Column agglutination - manual	>>>	6	Negative	22 %
	(3) Tube test	>>>	21	Negative	78 %
----- Total per sample: n = 27 -----		Success: 100 %			
2	(2) Column agglutination - manual	>>>	6	Positive	22 %
	(3) Tube test	>>>	21	Positive	78 %
----- Total per sample: n = 27 -----		Success: 100 %			
Total success: 100 %					
(1034) Antigen Jkb					
1	(2) Column agglutination - manual	>>>	5	Positive	19 %
	(3) Tube test	>>>	20	Positive	77 %
	(4) Solid phase	>>>	1	Positive	3,8 %
----- Total per sample: n = 26 -----		Success: 100 %			
2	(2) Column agglutination - manual	>>>	5	Positive	19 %
	(3) Tube test	>>>	20	Positive	77 %
	(4) Solid phase	>>>	1	Positive	3,8 %
----- Total per sample: n = 26 -----		Success: 100 %			
Total success: 100 %					
(1035) Antigen Lea					
1	(2) Column agglutination - manual	>>>	4	Negative	20 %
	(3) Tube test	>>>	16	Negative	80 %
----- Total per sample: n = 20 -----		Success: 100 %			
2	(2) Column agglutination - manual	>>>	4	Negative	20 %
	(3) Tube test	>>>	13	Negative	65 %
			3	Positive	15 %
----- Total per sample: n = 20 -----		Success: 85 %			
Total success: 85 %					
(1036) Antigen Leb					
1	(2) Column agglutination - manual	>>>	4	Positive	21 %
	(3) Tube test	>>>	15	Positive	79 %
----- Total per sample: n = 19 -----		Success: 100 %			
2	(2) Column agglutination - manual	>>>	4	Negative	21 %
	(3) Tube test	>>>	12	Negative	63 %
			3	Positive	16 %
----- Total per sample: n = 19 -----		Success: 84 %			
Total success: 84 %					