

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	(0) Not specified	> 1	Positive (4+)	1,2 %
	(1) Column agglutination - automat	>>> 20	Positive (3+)	23 %
		> 1	Positive (4+)	1,2 %
	(2) Column agglutination - manual	> 4	Positive (2+)	4,7 %
		>>> 46	Positive (3+)	53 %
		> 13	Positive (4+)	15 %
	(3) Tube test	> 1	Positive (2+)	1,2 %
----- Total per sample: n = 86 ----- Success: 100 % -----				
2	(0) Not specified	> 1	Positive (3+)	1,2 %
	(1) Column agglutination - automat	> 1	Positive (1+)	1,2 %
		>>> 13	Positive (2+)	15 %
		> 7	Positive (3+)	8,1 %
	(2) Column agglutination - manual	> 1	Positive (1+)	1,2 %
		>>> 32	Positive (2+)	37 %
		> 28	Positive (3+)	33 %
		> 2	Positive (4+)	2,3 %
	(3) Tube test	> 1	Positive (1+)	1,2 %
----- Total per sample: n = 86 ----- Success: 100 % -----				
Total success: 100 %				
(1002) Sensitization specificity anti-IgG				
1	(0) Not specified	> 1	Positive (4+)	2,4 %
	(1) Column agglutination - automat	>>> 4	Positive (3+)	9,5 %
	(2) Column agglutination - manual	> 1	Positive (2+)	2,4 %
		>>> 25	Positive (3+)	60 %
		> 11	Positive (4+)	26 %
----- Total per sample: n = 42 ----- Success: 100 % -----				
2	(0) Not specified	>>> 1	Positive (3+)	2,4 %
	(1) Column agglutination - automat	> 1	Positive (1+)	2,4 %
		> 2	Positive (2+)	4,8 %
		>>> 1	Positive (3+)	2,4 %
	(2) Column agglutination - manual	> 20	Positive (2+)	48 %
		>>> 16	Positive (3+)	38 %
		> 1	Positive (4+)	2,4 %
----- Total per sample: n = 42 ----- 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	(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 %				
(1006) Sensitization specificity anti-C3d				
1	(1) Column agglutination - automat	>>> 2	Negative	5,3 %
	(2) Column agglutination - manual	>>> 34	Negative	89 %
		1	Positive (4+)	2,6 %

EQA round: PAT2/22 - Direct Antiglobulin Test

Deadline: 18.11.2022

Test			N	Result	N _{rel}
Sample	Group				
1	(3) Tube test	>>>	1	Negative	2,6 %
Total per sample: n = 38		Success: 97 %			
2	(1) Column agglutination - automat	>>>	2	Negative	5,3 %
	(2) Column agglutination - manual	>>>	34	Negative	89 %
			1	Positive (3+)	2,6 %
	(3) Tube test		1	Positive (2+)	2,6 %
Total per sample: n = 38		Success: 95 %			
Total success: 95 %					
(1008) Col. agglut: Quantif. IgG-DAT					
1	(1) Column agglutination - automat	>>>	1	1:100	4,5 %
	(2) Column agglutination - manual	>	2	1:30	9,1 %
		>>>	19	1:100	86 %
Total per sample: n = 22		Success: 100 %			
2	(1) Column agglutination - automat	>>>	1	1:30	4,5 %
	(2) Column agglutination - manual	>>>	20	1:30	91 %
		>	1	1:100	4,5 %
Total per sample: n = 22		Success: 100 %			
Total success: 100 %					
(1009) Col. agglut: Subclass IgG1 1:1					
1	(1) Column agglutination - automat	>>>	1	Positive (2+)	4,3 %
	(2) Column agglutination - manual		1	Negative	4,3 %
		>	4	Positive (1+)	17 %
		>>>	14	Positive (2+)	61 %
		>	3	Positive (3+)	13 %
Total per sample: n = 23		Success: 96 %			
2	(1) Column agglutination - automat	>>>	1	Negative	4,3 %
	(2) Column agglutination - manual	>>>	21	Negative	91 %
			1	Positive (2+)	4,3 %
Total per sample: n = 23		Success: 96 %			
Total success: 96 %					
(1010) Col. agglut: Subclass IgG1 1:100					
1	(1) Column agglutination - automat	>>>	1	Negative	4,3 %
	(2) Column agglutination - manual	>>>	21	Negative	91 %
			1	Positive (1+)	4,3 %
Total per sample: n = 23		Success: 96 %			
2	(1) Column agglutination - automat	>>>	1	Negative	4,3 %
	(2) Column agglutination - manual	>>>	22	Negative	96 %
Total per sample: n = 23		Success: 100 %			
Total success: 96 %					
(1011) Col. agglut: Subclass IgG3 1:1					
1	(1) Column agglutination - automat	>>>	1	Negative	4,3 %
	(2) Column agglutination - manual	>>>	22	Negative	96 %
Total per sample: n = 23		Success: 100 %			
2	(1) Column agglutination - automat	>>>	1	Negative	4,3 %
	(2) Column agglutination - manual	>>>	22	Negative	96 %
Total per sample: n = 23		Success: 100 %			
Total success: 100 %					
(1012) Col. agglut: Subclass IgG3 1:100					
1	(1) Column agglutination - automat	>>>	1	Negative	4,3 %
	(2) Column agglutination - manual	>>>	22	Negative	96 %
Total per sample: n = 23		Success: 100 %			
2	(1) Column agglutination - automat	>>>	1	Negative	4,3 %
	(2) Column agglutination - manual	>>>	22	Negative	96 %
Total per sample: n = 23		Success: 100 %			
Total success: 100 %					
(1019) AB0 blood group					
1	(1) Column agglutination - automat	>>>	15	Blood group: AB	27 %
	(2) Column agglutination - manual	>>>	21	Blood group: AB	38 %
	(3) Tube test	>>>	18	Blood group: AB	32 %
	(4) Solid phase	>>>	1	Blood group: AB	1,8 %
	(99) Another measurement principle	>>>	1	Blood group: AB	1,8 %
Total per sample: n = 56		Success: 100 %			
2	(1) Column agglutination - automat		1	Not specified	1,8 %
		>>>	14	Blood group: 0	25 %
	(2) Column agglutination - manual	>>>	21	Blood group: 0	38 %
	(3) Tube test	>>>	18	Blood group: 0	32 %

Summary statistics - qualitative results

(Groups: measurement principle)

EQA round: PAT2/22 - Direct Antiglobulin Test

Deadline: 18.11.2022

Test		N	Result	N _{rel}
Sample	Group			
2	(4) Solid phase	>>> 1	Blood group: 0	1,8 %
	(99) Another measurement principle	>>> 1	Blood group: 0	1,8 %
----- Total per sample: n = 56 -----		Success: 98 %		
Total success: 98 %				
(1020) Rh D antigen				
1	(1) Column agglutination - automat	>>> 15	Positive (RhD+)	26 %
	(2) Column agglutination - manual	>>> 22	Positive (RhD+)	39 %
	(3) Tube test	>>> 19	Positive (RhD+)	33 %
	(99) Another measurement principle	>>> 1	Positive (RhD+)	1,8 %
----- Total per sample: n = 57 -----		Success: 100 %		
2	(1) Column agglutination - automat	>>> 15	Positive (RhD+)	26 %
	(2) Column agglutination - manual	>>> 22	Positive (RhD+)	39 %
	(3) Tube test	>>> 19	Positive (RhD+)	33 %
	(99) Another measurement principle	>>> 1	Positive (RhD+)	1,8 %
----- Total per sample: n = 57 -----		Success: 100 %		
Total success: 100 %				
(1021) Antigen C				
1	(1) Column agglutination - automat	>>> 9	Positive	19 %
	(2) Column agglutination - manual	>>> 24	Positive	51 %
	(3) Tube test	>>> 12	Positive	26 %
	(4) Solid phase	>>> 1	Positive	2,1 %
	(99) Another measurement principle	>>> 1	Positive	2,1 %
----- Total per sample: n = 47 -----		Success: 100 %		
2	(1) Column agglutination - automat	>>> 9	Negative	19 %
	(2) Column agglutination - manual	>>> 24	Negative	51 %
	(3) Tube test	>>> 12	Negative	26 %
	(4) Solid phase	>>> 1	Negative	2,1 %
	(99) Another measurement principle	>>> 1	Negative	2,1 %
----- Total per sample: n = 47 -----		Success: 100 %		
Total success: 100 %				
(1022) Antigen c				
1	(0) Not specified	>>> 1	Positive	2,1 %
	(1) Column agglutination - automat	>>> 9	Positive	19 %
	(2) Column agglutination - manual	>>> 23	Positive	49 %
	(3) Tube test	>>> 12	Positive	26 %
	(4) Solid phase	>>> 1	Positive	2,1 %
	(99) Another measurement principle	>>> 1	Positive	2,1 %
----- Total per sample: n = 47 -----		Success: 100 %		
2	(0) Not specified	>>> 1	Positive	2,1 %
	(1) Column agglutination - automat	>>> 9	Positive	19 %
	(2) Column agglutination - manual	>>> 23	Positive	49 %
	(3) Tube test	>>> 12	Positive	26 %
	(4) Solid phase	>>> 1	Positive	2,1 %
	(99) Another measurement principle	>>> 1	Positive	2,1 %
----- Total per sample: n = 47 -----		Success: 100 %		
Total success: 100 %				
(1023) Antigen Cw				
1	(1) Column agglutination - automat	>>> 4	Negative	10 %
	(2) Column agglutination - manual	>>> 19	Negative	48 %
	(3) Tube test	>>> 15	Negative	38 %
	(4) Solid phase	>>> 1	Negative	2,5 %
	(99) Another measurement principle	>>> 1	Negative	2,5 %
----- Total per sample: n = 40 -----		Success: 100 %		
2	(1) Column agglutination - automat	>>> 4	Negative	10 %
	(2) Column agglutination - manual	>>> 19	Negative	48 %
	(3) Tube test	>>> 15	Negative	38 %
	(4) Solid phase	>>> 1	Negative	2,5 %
	(99) Another measurement principle	>>> 1	Negative	2,5 %
----- Total per sample: n = 40 -----		Success: 100 %		
Total success: 100 %				
(1024) Antigen E				
1	(1) Column agglutination - automat	>>> 9	Negative	19 %
	(2) Column agglutination - manual	>>> 24	Negative	50 %
	(3) Tube test	>>> 13	Negative	27 %
	(4) Solid phase	>>> 1	Negative	2,1 %
	(99) Another measurement principle	>>> 1	Negative	2,1 %

Summary statistics - qualitative results

(Groups: measurement principle)

Deadline: 18.11.2022

EQA round: PAT2/22 - Direct Antiglobulin Test

Test	Sample	Group	N	Result	N _{rel}
Test					
		Total per sample: n = 48	Success: 100 %		
2	(1)	Column agglutination - automat	>>> 9	Positive	19 %
	(2)	Column agglutination - manual	>>> 24	Positive	50 %
	(3)	Tube test	>>> 13	Positive	27 %
	(4)	Solid phase	>>> 1	Positive	2,1 %
	(99)	Another measurement principle	>>> 1	Positive	2,1 %
		Total per sample: n = 48	Success: 100 %		
Total success: 100 %					
(1025) Antigen e					
1	(1)	Column agglutination - automat	>>> 9	Positive	19 %
	(2)	Column agglutination - manual	>>> 24	Positive	51 %
	(3)	Tube test	>>> 12	Positive	26 %
	(4)	Solid phase	>>> 1	Positive	2,1 %
	(99)	Another measurement principle	>>> 1	Positive	2,1 %
		Total per sample: n = 47	Success: 100 %		
2	(1)	Column agglutination - automat	>>> 9	Positive	19 %
	(2)	Column agglutination - manual	>>> 24	Positive	51 %
	(3)	Tube test	>>> 12	Positive	26 %
	(4)	Solid phase	>>> 1	Positive	2,1 %
	(99)	Another measurement principle	>>> 1	Positive	2,1 %
		Total per sample: n = 47	Success: 100 %		
Total success: 100 %					
(1026) Antigen K					
1	(1)	Column agglutination - automat	>>> 9	Negative	18 %
	(2)	Column agglutination - manual	>>> 25	Negative	51 %
	(3)	Tube test	>>> 13	Negative	27 %
	(4)	Solid phase	>>> 1	Negative	2,0 %
	(99)	Another measurement principle	>>> 1	Negative	2,0 %
		Total per sample: n = 49	Success: 100 %		
2	(1)	Column agglutination - automat	>>> 9	Negative	18 %
	(2)	Column agglutination - manual	>>> 25	Negative	51 %
	(3)	Tube test	>>> 13	Negative	27 %
	(4)	Solid phase	>>> 1	Negative	2,0 %
	(99)	Another measurement principle	>>> 1	Negative	2,0 %
		Total per sample: n = 49	Success: 100 %		
Total success: 100 %					
(1027) Antigen k					
1	(1)	Column agglutination - automat	>>> 1	Positive	3,8 %
	(2)	Column agglutination - manual	>>> 8	Positive	31 %
	(3)	Tube test	>>> 17	Positive	65 %
		Total per sample: n = 26	Success: 100 %		
2	(1)	Column agglutination - automat	>>> 1	Positive	3,8 %
	(2)	Column agglutination - manual	>>> 8	Positive	31 %
	(3)	Tube test	>>> 17	Positive	65 %
		Total per sample: n = 26	Success: 100 %		
Total success: 100 %					
(1028) Antigen M					
1	(2)	Column agglutination - manual	>>> 7	Negative	28 %
	(3)	Tube test	>>> 18	Negative	72 %
		Total per sample: n = 25	Success: 100 %		
2	(2)	Column agglutination - manual	>>> 7	Positive	28 %
	(3)	Tube test	>>> 18	Positive	72 %
		Total per sample: n = 25	Success: 100 %		
Total success: 100 %					
(1029) Antigen N					
1	(2)	Column agglutination - manual	>>> 7	Positive	30 %
	(3)	Tube test	>>> 16	Positive	70 %
		Total per sample: n = 23	Success: 100 %		
2	(2)	Column agglutination - manual	>>> 7	Positive	30 %
	(3)	Tube test	>>> 16	Positive	70 %
		Total per sample: n = 23	Success: 100 %		
Total success: 100 %					
(1030) Antigen S					
1	(2)	Column agglutination - manual	>>> 5	Positive	20 %
	(3)	Tube test	>>> 20	Positive	80 %
		Total per sample: n = 25	Success: 100 %		
2	(2)	Column agglutination - manual	>>> 5	Positive	20 %

EQA round: PAT2/22 - Direct Antiglobulin Test

Test		N	Result	N _{rel}
Sample	Group			
2	(3) Tube test	>>> 20	Positive	80 %
----- Total per sample: n = 25 -----		Success: 100 %		
Total success: 100 %				
(1031) Antigen s				
1	(2) Column agglutination - manual	>>> 5	Positive	26 %
	(3) Tube test	>>> 14	Positive	74 %
----- Total per sample: n = 19 -----		Success: 100 %		
2	(2) Column agglutination - manual	>>> 4	Negative	21 %
		1	Positive	5,3 %
	(3) Tube test	>>> 14	Negative	74 %
----- Total per sample: n = 19 -----		Success: 95 %		
Total success: 95 %				
(1032) Antigen P1				
1	(2) Column agglutination - manual	>>> 4	Positive	18 %
	(3) Tube test	1	Negative	4,5 %
		>>> 17	Positive	77 %
----- Total per sample: n = 22 -----		Success: 95 %		
2	(2) Column agglutination - manual	>>> 1	Negative	4,5 %
		3	Positive	14 %
	(3) Tube test	>>> 18	Negative	82 %
----- Total per sample: n = 22 -----		Success: 86 %		
Total success: 82 %				
(1033) Antigen Jka				
1	(2) Column agglutination - manual	>>> 5	Negative	19 %
		2	Positive	7,7 %
	(3) Tube test	>>> 19	Negative	73 %
----- Total per sample: n = 26 -----		Success: 92 %		
2	(2) Column agglutination - manual	>>> 7	Positive	27 %
	(3) Tube test	>>> 19	Positive	73 %
----- Total per sample: n = 26 -----		Success: 100 %		
Total success: 92 %				
(1034) Antigen Jkb				
1	(2) Column agglutination - manual	>>> 7	Positive	27 %
	(3) Tube test	>>> 18	Positive	69 %
	(4) Solid phase	>>> 1	Positive	3,8 %
----- Total per sample: n = 26 -----		Success: 100 %		
2	(2) Column agglutination - manual	>>> 7	Positive	27 %
	(3) Tube test	>>> 18	Positive	69 %
	(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 %
		1	Positive	5,0 %
	(3) Tube test	>>> 15	Negative	75 %
----- Total per sample: n = 20 -----		Success: 95 %		
2	(2) Column agglutination - manual	>>> 4	Negative	20 %
		1	Positive	5,0 %
	(3) Tube test	>>> 14	Negative	70 %
		1	Positive	5,0 %
----- Total per sample: n = 20 -----		Success: 90 %		
Total success: 90 %				
(1036) Antigen Leb				
1	(2) Column agglutination - manual	>>> 5	Positive	25 %
	(3) Tube test	>>> 15	Positive	75 %
----- Total per sample: n = 20 -----		Success: 100 %		
2	(2) Column agglutination - manual	>>> 5	Positive	25 %
	(3) Tube test	>>> 15	Positive	75 %
----- Total per sample: n = 20 -----		Success: 100 %		
Total success: 100 %				