

Key: &gt;&gt;&gt; ... marks correct (expected) result

&gt; ... 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 <sub>rel</sub>
<b>(1001) DAT (direct Coombs test)</b>				
1	(1) Column agglutination - automat	>	4 Positive (3+)	5,1 %
		>>>	6 Positive (4+)	7,6 %
	(2) Column agglutination - manual	>	2 Positive (2+)	2,5 %
		>	23 Positive (3+)	29 %
		>>>	43 Positive (4+)	54 %
	(3) Tube test	>	1 Positive (2+)	1,3 %
	Total per sample: n = 79 Success: 100 %			
2	(1) Column agglutination - automat	>	1 Positive (1+)	1,3 %
		>>>	5 Positive (2+)	6,3 %
		>	4 Positive (3+)	5,1 %
	(2) Column agglutination - manual	>	1 Positive (1+)	1,3 %
		>>>	26 Positive (2+)	33 %
		>	37 Positive (3+)	47 %
		>	4 Positive (4+)	5,1 %
	(3) Tube test	>	1 Positive (3+)	1,3 %
	Total per sample: n = 79 Success: 100 %			
Total success: 100 %				
<b>(1002) Sensibilization specificity anti-IgG</b>				
1	(0) Not specified	>	1 Positive (3+)	2,4 %
	(1) Column agglutination - automat	>>>	1 Positive (4+)	2,4 %
	(2) Column agglutination - manual	>	15 Positive (3+)	37 %
		>>>	24 Positive (4+)	59 %
	Total per sample: n = 41 Success: 100 %			
2	(0) Not specified	>	1 Positive (3+)	2,4 %
	(1) Column agglutination - automat	>	1 Positive (3+)	2,4 %
	(2) Column agglutination - manual	>	1 Positive (1+)	2,4 %
		>>>	16 Positive (2+)	39 %
		>	20 Positive (3+)	49 %
		>	2 Positive (4+)	4,9 %
	Total per sample: n = 41 Success: 100 %			
Total success: 100 %				
<b>(1003) Sensibilization specificity anti-IgA</b>				
1	(2) Column agglutination - manual	>>>	32 Negative	100 %
	Total per sample: n = 32 Success: 100 %			
2	(2) Column agglutination - manual	>>>	32 Negative	100 %
	Total per sample: n = 32 Success: 100 %			
Total success: 100 %				
<b>(1004) Sensibilization specificity anti-IgM</b>				
1	(2) Column agglutination - manual	>>>	32 Negative	100 %
	Total per sample: n = 32 Success: 100 %			
2	(2) Column agglutination - manual	>>>	32 Negative	100 %
	Total per sample: n = 32 Success: 100 %			
Total success: 100 %				
<b>(1005) Sensibilization specificity anti-C3c</b>				
1	(2) Column agglutination - manual	>>>	32 Negative	100 %
	Total per sample: n = 32 Success: 100 %			
2	(2) Column agglutination - manual	>>>	32 Negative	100 %
	Total per sample: n = 32 Success: 100 %			
Total success: 100 %				
<b>(1006) Sensibilization specificity anti-C3d</b>				
1	(1) Column agglutination - automat	>>>	1 Negative	2,6 %
	(2) Column agglutination - manual	>>>	36 Negative	92 %
			1 Positive (4+)	2,6 %
	(3) Tube test	>>>	1 Negative	2,6 %
	Total per sample: n = 39 Success: 97 %			
2	(1) Column agglutination - automat	>>>	1 Negative	2,6 %
	(2) Column agglutination - manual	>>>	36 Negative	92 %
			1 Positive (2+)	2,6 %
	(3) Tube test	>>>	1 Negative	2,6 %
	Total per sample: n = 39 Success: 97 %			
Total success: 97 %				
<b>(1008) Col. agglut: Quantif. IgG-DAT</b>				
1	(2) Column agglutination - manual	>>>	22 300	100 %

## Test

Sample	Group	N	Result	N <sub>rel</sub>
Total per sample: n = 22 ----- Success: 100 % -----				
2	(2) Column agglutination - manual	>>> 20	10	91 %
		> 2	30	9,1 %
Total per sample: n = 22 ----- Success: 100 % -----				
Total success: 100 %				

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

1	(2) Column agglutination - manual	> 1	Positive (2+)	4,5 %
		>>> 14	Positive (3+)	64 %
		> 7	Positive (4+)	32 %
Total per sample: n = 22 ----- Success: 100 % -----				
2	(2) Column agglutination - manual	2	Not specified	9,1 %
		>>> 20	Negative	91 %
Total per sample: n = 22 ----- Success: 91 % -----				
Total success: 91 %				

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

1	(2) Column agglutination - manual	> 12	Negative	55 %
		>>> 8	Positive (1+)	36 %
		> 2	Positive (2+)	9,1 %
Total per sample: n = 22 ----- Success: 100 % -----				
2	(2) Column agglutination - manual	2	Not specified	9,1 %
		>>> 20	Negative	91 %
Total per sample: n = 22 ----- Success: 91 % -----				
Total success: 91 %				

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

1	(2) Column agglutination - manual	>>> 22	Negative	100 %
Total per sample: n = 22 ----- Success: 100 % -----				
2	(2) Column agglutination - manual	2	Not specified	9,1 %
		>>> 20	Negative	91 %
Total per sample: n = 22 ----- Success: 91 % -----				
Total success: 91 %				

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

1	(2) Column agglutination - manual	>>> 22	Negative	100 %
Total per sample: n = 22 ----- Success: 100 % -----				
2	(2) Column agglutination - manual	2	Not specified	9,1 %
		>>> 20	Negative	91 %
Total per sample: n = 22 ----- Success: 91 % -----				
Total success: 91 %				

**(1019) ABO blood group**

1	(1) Column agglutination - automat	>>> 6	Blood group: A	12 %
	(2) Column agglutination - manual	>>> 17	Blood group: A	33 %
	(3) Tube test	>>> 26	Blood group: A	50 %
	(4) Solid phase	>>> 1	Blood group: A	1,9 %
	(99) Another measurement principle	>>> 2	Blood group: A	3,8 %
Total per sample: n = 52 ----- Success: 100 % -----				
2	(1) Column agglutination - automat	>>> 6	Blood group: 0	12 %
	(2) Column agglutination - manual	>>> 17	Blood group: 0	33 %
	(3) Tube test	>>> 26	Blood group: 0	50 %
	(4) Solid phase	>>> 1	Blood group: 0	1,9 %
	(99) Another measurement principle	>>> 2	Blood group: 0	3,8 %
Total per sample: n = 52 ----- Success: 100 % -----				
Total success: 100 %				

**(1020) Rh D antigen**

1	(1) Column agglutination - automat	>>> 6	Positive (RhD+)	12 %
	(2) Column agglutination - manual	>>> 17	Positive (RhD+)	33 %
	(3) Tube test	>>> 27	Positive (RhD+)	52 %
	(99) Another measurement principle	>>> 2	Positive (RhD+)	3,8 %
Total per sample: n = 52 ----- Success: 100 % -----				
2	(1) Column agglutination - automat	>>> 6	Negative (RhD-)	12 %
	(2) Column agglutination - manual	>>> 16	Negative (RhD-)	31 %
		1	w/v (RhD weak/variant)	1,9 %
	(3) Tube test	>>> 24	Negative (RhD-)	46 %
		3	w/v (RhD weak/variant)	5,8 %
	(99) Another measurement principle	>>> 2	Negative (RhD-)	3,8 %
Total per sample: n = 52 ----- Success: 92 % -----				
Total success: 92 %				

**(1021) Antigen C**

1	(1) Column agglutination - automat	>>> 5	Positive	13 %
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## EQA round: PAT1/18 - Direct Antiglobulin Test

Dead line: 07.06.2018

Test			N	Result	N <sub>rel</sub>
Sample	Group				
1	(2) Column agglutination - manual	>>>	19	Positive	49 %
	(3) Tube test	>>>	14	Positive	36 %
	(99) Another measurement principle	>>>	1	Positive	2,6 %
	Total per sample: n = 39		Success: 100 %		
2	(1) Column agglutination - automat	>>>	5	Negative	13 %
	(2) Column agglutination - manual	>>>	19	Negative	49 %
	(3) Tube test	>>>	13	Negative	33 %
			1	Positive	2,6 %
	(99) Another measurement principle	>>>	1	Negative	2,6 %
Total per sample: n = 39		Success: 97 %			
Total success: 97 %					
<b>(1022) Antigen c</b>					
1	(1) Column agglutination - automat	>>>	5	Negative	13 %
	(2) Column agglutination - manual	>>>	19	Negative	49 %
	(3) Tube test	>>>	14	Negative	36 %
	(99) Another measurement principle	>>>	1	Negative	2,6 %
Total per sample: n = 39		Success: 100 %			
2	(1) Column agglutination - automat	>>>	5	Positive	13 %
	(2) Column agglutination - manual	>>>	19	Positive	49 %
	(3) Tube test	>>>	14	Positive	36 %
	(99) Another measurement principle	>>>	1	Positive	2,6 %
Total per sample: n = 39		Success: 100 %			
Total success: 100 %					
<b>(1023) Antigen Cw</b>					
1	(1) Column agglutination - automat	>>>	2	Negative	5,9 %
			1	Positive	2,9 %
	(2) Column agglutination - manual	>>>	15	Negative	44 %
	(3) Tube test	>>>	15	Negative	44 %
	(99) Another measurement principle	>>>	1	Positive	2,9 %
Total per sample: n = 34		Success: 94 %			
2	(1) Column agglutination - automat	>>>	3	Negative	8,8 %
	(2) Column agglutination - manual	>>>	15	Negative	44 %
	(3) Tube test	>>>	15	Negative	44 %
	(99) Another measurement principle	>>>	1	Negative	2,9 %
Total per sample: n = 34		Success: 100 %			
Total success: 94 %					
<b>(1024) Antigen E</b>					
1	(1) Column agglutination - automat	>>>	5	Negative	13 %
	(2) Column agglutination - manual	>>>	19	Negative	49 %
	(3) Tube test	>>>	14	Negative	36 %
	(99) Another measurement principle	>>>	1	Negative	2,6 %
Total per sample: n = 39		Success: 100 %			
2	(1) Column agglutination - automat	>>>	5	Negative	13 %
	(2) Column agglutination - manual	>>>	19	Negative	49 %
	(3) Tube test	>>>	14	Negative	36 %
	(99) Another measurement principle	>>>	1	Negative	2,6 %
Total per sample: n = 39		Success: 100 %			
Total success: 100 %					
<b>(1025) Antigen e</b>					
1	(1) Column agglutination - automat	>>>	5	Positive	13 %
	(2) Column agglutination - manual	>>>	19	Positive	49 %
	(3) Tube test	>>>	14	Positive	36 %
	(99) Another measurement principle	>>>	1	Positive	2,6 %
Total per sample: n = 39		Success: 100 %			
2	(1) Column agglutination - automat	>>>	5	Positive	13 %
	(2) Column agglutination - manual	>>>	19	Positive	49 %
	(3) Tube test	>>>	14	Positive	36 %
	(99) Another measurement principle	>>>	1	Positive	2,6 %
Total per sample: n = 39		Success: 100 %			
Total success: 100 %					
<b>(1026) Antigen K</b>					
1	(1) Column agglutination - automat	>>>	5	Positive	13 %
	(2) Column agglutination - manual	>>>	19	Positive	48 %
	(3) Tube test	>>>	15	Positive	38 %
	(99) Another measurement principle	>>>	1	Positive	2,5 %
Total per sample: n = 40		Success: 100 %			
2	(1) Column agglutination - automat	>>>	5	Negative	13 %

Test					
Sample	Group		N	Result	N <sub>rel</sub>
2	(2) Column agglutination - manual	>>>	19	Negative	48 %
	(3) Tube test	>>>	15	Negative	38 %
	(99) Another measurement principle	>>>	1	Negative	2,5 %
	Total per sample: n = 40		Success: 100 %		
Total success: 100 %					
<b>(1027) Antigen k</b>					
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	>>>	8	Positive	33 %
	(3) Tube test	>>>	16	Positive	67 %
	Total per sample: n = 24		Success: 100 %		
Total success: 100 %					
<b>(1028) Antigen M</b>					
1	(1) Column agglutination - automat	>>>	2	Positive	8,0 %
	(2) Column agglutination - manual	>>>	5	Positive	20 %
	(3) Tube test	>>>	18	Positive	72 %
	Total per sample: n = 25		Success: 100 %		
2	(1) Column agglutination - automat	>>>	2	Positive	8,0 %
	(2) Column agglutination - manual	>>>	5	Positive	20 %
	(3) Tube test	>>>	18	Positive	72 %
	Total per sample: n = 25		Success: 100 %		
Total success: 100 %					
<b>(1029) Antigen N</b>					
1	(1) Column agglutination - automat	>>>	2	Positive	8,7 %
	(2) Column agglutination - manual	>>>	5	Positive	22 %
	(3) Tube test	>>>	16	Positive	70 %
	Total per sample: n = 23		Success: 100 %		
2	(1) Column agglutination - automat	>>>	2	Positive	8,7 %
	(2) Column agglutination - manual	>>>	5	Positive	22 %
	(3) Tube test	>>>	16	Positive	70 %
	Total per sample: n = 23		Success: 100 %		
Total success: 100 %					
<b>(1030) Antigen S</b>					
1	(1) Column agglutination - automat		1	Positive	4,2 %
	(2) Column agglutination - manual	>>>	3	Negative	13 %
	(3) Tube test	>>>	18	Negative	75 %
	Total per sample: n = 24		Success: 88 %	2	Positive
2	(1) Column agglutination - automat		1	Positive	4,2 %
	(2) Column agglutination - manual	>>>	3	Negative	13 %
	(3) Tube test	>>>	19	Negative	79 %
	Total per sample: n = 24		Success: 92 %	1	Positive
Total success: 88 %					
<b>(1031) Antigen s</b>					
1	(1) Column agglutination - automat	>>>	1	Positive	5,9 %
	(2) Column agglutination - manual	>>>	3	Positive	18 %
	(3) Tube test	>>>	13	Positive	76 %
	Total per sample: n = 17		Success: 100 %		
2	(1) Column agglutination - automat	>>>	1	Positive	5,9 %
	(2) Column agglutination - manual	>>>	3	Positive	18 %
	(3) Tube test	>>>	13	Positive	76 %
	Total per sample: n = 17		Success: 100 %		
Total success: 100 %					
<b>(1032) Antigen PI</b>					
1	(2) Column agglutination - manual	>>>	1	Negative	4,5 %
			1	Positive	4,5 %
	(3) Tube test	>>>	19	Negative	86 %
	Total per sample: n = 22		Success: 91 %	1	Positive
2	(2) Column agglutination - manual	>>>	2	Positive	9,1 %
	(3) Tube test	>>>	20	Positive	91 %
	Total per sample: n = 22		Success: 100 %		
Total success: 91 %					

## Test

Sample	Group	N	Result	N <sub>rel</sub>
<b>(1033) Antigen Jka</b>				
1	(1) Column agglutination - automat	>>>	1 Positive	3,8 %
	(2) Column agglutination - manual	>>>	4 Positive	15 %
	(3) Tube test	>>>	21 Positive	81 %
----- Total per sample: n = 26 -----		Success: 100 %	-----	
2	(1) Column agglutination - automat	>>>	1 Negative	3,8 %
	(2) Column agglutination - manual	>>>	4 Negative	15 %
	(3) Tube test	>>>	21 Negative	81 %
----- Total per sample: n = 26 -----		Success: 100 %	-----	
Total success: 100 %				

**(1034) Antigen Jkb**

1	(1) Column agglutination - automat	>>>	1 Positive	4,0 %
	(2) Column agglutination - manual	>>>	3 Positive	12 %
	(3) Tube test	>>>	21 Positive	84 %
----- Total per sample: n = 25 -----		Success: 100 %	-----	
2	(1) Column agglutination - automat	>>>	1 Positive	4,0 %
	(2) Column agglutination - manual	>>>	3 Positive	12 %
	(3) Tube test	>>>	21 Positive	84 %
----- Total per sample: n = 25 -----		Success: 100 %	-----	
Total success: 100 %				

**(1035) Antigen Lea**

1	(1) Column agglutination - automat	>>>	1 Negative	4,8 %
	(2) Column agglutination - manual	>>>	4 Negative	19 %
	(3) Tube test	>>>	16 Negative	76 %
----- Total per sample: n = 21 -----		Success: 100 %	-----	
2	(1) Column agglutination - automat	>>>	1 Negative	4,8 %
	(2) Column agglutination - manual	>>>	4 Negative	19 %
	(3) Tube test	>>>	16 Negative	76 %
----- Total per sample: n = 21 -----		Success: 100 %	-----	
Total success: 100 %				

**(1036) Antigen Leb**

1	(1) Column agglutination - automat	>>>	1 Positive	5,0 %
	(2) Column agglutination - manual	>>>	4 Positive	20 %
	(3) Tube test		1 Not specified	5,0 %
			5 Negative	25 %
		>>>	9 Positive	45 %
----- Total per sample: n = 20 -----		Success: 70 %	-----	
2	(1) Column agglutination - automat	>>>	1 Positive	5,0 %
	(2) Column agglutination - manual	>>>	4 Positive	20 %
	(3) Tube test	>>>	15 Positive	75 %
----- Total per sample: n = 20 -----		Success: 100 %	-----	
Total success: 70 %				