

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	>>> 3	Positive (1+)	3,9 %
		>>> 5	Positive (2+)	6,6 %
	(2) Column agglutination - manual		1 Negative	1,3 %
		>>> 37	Positive (1+)	49 %
		>>> 25	Positive (2+)	33 %
		> 4	Positive (3+)	5,3 %
	(3) Tube test	>>> 1	Positive (1+)	1,3 %
	Total per sample: n = 76		Success: 99 %	
2	(1) Column agglutination - automat	> 4	Positive (2+)	5,3 %
		>>> 4	Positive (3+)	5,3 %
	(2) Column agglutination - manual	> 22	Positive (2+)	29 %
		>>> 43	Positive (3+)	57 %
		> 2	Positive (4+)	2,6 %
	(3) Tube test	> 1	Positive (2+)	1,3 %
	Total per sample: n = 76		Success: 100 %	
	Total success: 99 %			
<b>(1002) Sensibilization specificity anti-IgG</b>				
1	(0) Not specified	> 1	Positive (3+)	2,5 %
	(1) Column agglutination - automat	>>> 1	Positive (1+)	2,5 %
	(2) Column agglutination - manual	>>> 27	Positive (1+)	68 %
		>>> 11	Positive (2+)	28 %
	Total per sample: n = 40		Success: 100 %	
2	(0) Not specified	>>> 1	Positive (3+)	2,5 %
	(1) Column agglutination - automat	>>> 1	Positive (3+)	2,5 %
	(2) Column agglutination - manual	> 1	Positive (1+)	2,5 %
		> 12	Positive (2+)	30 %
		>>> 24	Positive (3+)	60 %
		> 1	Positive (4+)	2,5 %
	Total per sample: n = 40		Success: 100 %	
	Total success: 100 %			
<b>(1003) Sensibilization specificity anti-IgA</b>				
1	(2) Column agglutination - manual	>>> 30	Negative	100 %
	Total per sample: n = 30		Success: 100 %	
2	(2) Column agglutination - manual	>>> 30	Negative	100 %
	Total per sample: n = 30		Success: 100 %	
	Total success: 100 %			
<b>(1004) Sensibilization specificity anti-IgM</b>				
1	(2) Column agglutination - manual	>>> 30	Negative	100 %
	Total per sample: n = 30		Success: 100 %	
2	(2) Column agglutination - manual	>>> 30	Negative	100 %
	Total per sample: n = 30		Success: 100 %	
	Total success: 100 %			
<b>(1005) Sensibilization specificity anti-C3c</b>				
1	(2) Column agglutination - manual	>>> 30	Negative	100 %
	Total per sample: n = 30		Success: 100 %	
2	(2) Column agglutination - manual	>>> 30	Negative	100 %
	Total per sample: n = 30		Success: 100 %	
	Total success: 100 %			
<b>(1006) Sensibilization specificity anti-C3d</b>				
1	(1) Column agglutination - automat	>>> 1	Negative	2,7 %
	(2) Column agglutination - manual	>>> 35	Negative	95 %
	(3) Tube test	>>> 1	Negative	2,7 %
	Total per sample: n = 37		Success: 100 %	
2	(1) Column agglutination - automat	>>> 1	Negative	2,7 %
	(2) Column agglutination - manual	>>> 35	Negative	95 %
	(3) Tube test	>>> 1	Negative	2,7 %
	Total per sample: n = 37		Success: 100 %	
	Total success: 100 %			
<b>(1008) Col. agglut: Quantif. IgG-DAT</b>				
1	(2) Column agglutination - manual	> 5	Not specified	26 %
		>>> 9	10	47 %
		> 5	Evaluation impossible	26 %
	Total per sample: n = 19		Success: 100 %	

Test		N	Result	N <sub>rel</sub>
Sample	Group			
2	(2) Column agglutination - manual	>	1 10	5,3 %
		>>>	18 30	95 %
Total per sample: n = 19		Success: 100 %		
Total success: 100 %				
<b>(1009) Col. agglut: Subclass IgG1 1:1</b>				
1	(2) Column agglutination - manual	>	2 Not specified	10 %
		>>>	17 Negative	85 %
			1 Positive (1+)	5,0 %
Total per sample: n = 20		Success: 95 %		
2	(2) Column agglutination - manual	>>>	19 Negative	95 %
			1 Positive (2+)	5,0 %
Total per sample: n = 20		Success: 95 %		
Total success: 95 %				
<b>(1010) Col. agglut: Subclass IgG1 1:100</b>				
1	(2) Column agglutination - manual	>	2 Not specified	10 %
		>>>	18 Negative	90 %
Total per sample: n = 20		Success: 100 %		
2	(2) Column agglutination - manual	>>>	20 Negative	100 %
Total per sample: n = 20		Success: 100 %		
Total success: 100 %				
<b>(1011) Col. agglut: Subclass IgG3 1:1</b>				
1	(2) Column agglutination - manual	>	2 Not specified	10 %
		>>>	18 Negative	90 %
Total per sample: n = 20		Success: 100 %		
2	(2) Column agglutination - manual	>>>	20 Negative	100 %
Total per sample: n = 20		Success: 100 %		
Total success: 100 %				
<b>(1012) Col. agglut: Subclass IgG3 1:100</b>				
1	(2) Column agglutination - manual	>	2 Not specified	10 %
		>>>	18 Negative	90 %
Total per sample: n = 20		Success: 100 %		
2	(2) Column agglutination - manual	>>>	20 Negative	100 %
Total per sample: n = 20		Success: 100 %		
Total success: 100 %				
<b>(1014) Tube test: Quantification IgG-DAT</b>				
1	(3) Tube test		1 titre 8	50 %
			1 Evaluation impossible	50 %
Total per sample: n = 2		Success: 0,00 %		
2	(3) Tube test		2 titre 2	100 %
Total per sample: n = 2		Success: 0,00 %		
Total success: 0,00 %				
<b>(1019) AB0 blood group</b>				
1	(1) Column agglutination - automat	>>>	5 Blood group: AB	10 %
	(2) Column agglutination - manual	>>>	16 Blood group: AB	33 %
	(3) Tube test	>>>	25 Blood group: AB	52 %
	(4) Solid phase	>>>	1 Blood group: AB	2,1 %
	(99) Another measurement principle	>>>	1 Blood group: AB	2,1 %
Total per sample: n = 48		Success: 100 %		
2	(1) Column agglutination - automat	>>>	5 Blood group: A	10 %
	(2) Column agglutination - manual	>>>	16 Blood group: A	33 %
	(3) Tube test	>>>	25 Blood group: A	52 %
	(4) Solid phase	>>>	1 Blood group: A	2,1 %
	(99) Another measurement principle	>>>	1 Blood group: A	2,1 %
Total per sample: n = 48		Success: 100 %		
Total success: 100 %				
<b>(1020) Rh D antigen</b>				
1	(1) Column agglutination - automat	>>>	5 Negative (RhD-)	10 %
	(2) Column agglutination - manual	>>>	15 Negative (RhD-)	31 %
			1 Positive (RhD+)	2,1 %
	(3) Tube test	>>>	26 Negative (RhD-)	54 %
	(99) Another measurement principle	>>>	1 Negative (RhD-)	2,1 %
Total per sample: n = 48		Success: 98 %		
2	(1) Column agglutination - automat	>>>	5 Positive (RhD+)	10 %
	(2) Column agglutination - manual	>>>	16 Positive (RhD+)	33 %
	(3) Tube test	>>>	26 Positive (RhD+)	54 %
	(99) Another measurement principle	>>>	1 Positive (RhD+)	2,1 %

Test	Sample	Group		N	Result	N <sub>rel</sub>
Total per sample: n = 48 ----- Success: 100 % -----						
Total success: 98 %						
<b>(1021) Antigen C</b>						
1	(1)	Column agglutination - automat	>>>	3	Negative	7,9 %
	(2)	Column agglutination - manual	>>>	19	Negative	50 %
	(3)	Tube test	>>>	15	Negative	39 %
	(99)	Another measurement principle	>>>	1	Negative	2,6 %
----- Total per sample: n = 38 ----- Success: 100 % -----						
2	(1)	Column agglutination - automat	>>>	3	Positive	7,9 %
	(2)	Column agglutination - manual	>>>	19	Positive	50 %
	(3)	Tube test	>>>	15	Positive	39 %
	(99)	Another measurement principle	>>>	1	Positive	2,6 %
----- Total per sample: n = 38 ----- Success: 100 % -----						
Total success: 100 %						
<b>(1022) Antigen c</b>						
1	(1)	Column agglutination - automat	>>>	3	Positive	7,9 %
	(2)	Column agglutination - manual	>>>	19	Positive	50 %
	(3)	Tube test	>>>	15	Positive	39 %
	(99)	Another measurement principle	>>>	1	Positive	2,6 %
----- Total per sample: n = 38 ----- Success: 100 % -----						
2	(1)	Column agglutination - automat	>>>	3	Positive	7,9 %
	(2)	Column agglutination - manual	>>>	19	Positive	50 %
	(3)	Tube test	>>>	1	Negative	2,6 %
			>>>	14	Positive	37 %
	(99)	Another measurement principle	>>>	1	Positive	2,6 %
----- Total per sample: n = 38 ----- Success: 97 % -----						
Total success: 97 %						
<b>(1023) Antigen Cw</b>						
1	(0)	Not specified		1	Not specified	2,9 %
	(1)	Column agglutination - automat	>>>	2	Negative	5,7 %
	(2)	Column agglutination - manual	>>>	15	Negative	43 %
	(3)	Tube test	>>>	16	Negative	46 %
	(99)	Another measurement principle	>>>	1	Negative	2,9 %
----- Total per sample: n = 35 ----- Success: 97 % -----						
2	(0)	Not specified	>>>	1	Negative	2,9 %
	(1)	Column agglutination - automat	>>>	2	Negative	5,7 %
	(2)	Column agglutination - manual	>>>	15	Negative	43 %
	(3)	Tube test	>>>	16	Negative	46 %
	(99)	Another measurement principle	>>>	1	Negative	2,9 %
----- Total per sample: n = 35 ----- Success: 100 % -----						
Total success: 97 %						
<b>(1024) Antigen E</b>						
1	(1)	Column agglutination - automat	>>>	3	Negative	7,9 %
	(2)	Column agglutination - manual	>>>	19	Negative	50 %
	(3)	Tube test	>>>	15	Negative	39 %
	(99)	Another measurement principle	>>>	1	Negative	2,6 %
----- Total per sample: n = 38 ----- Success: 100 % -----						
2	(1)	Column agglutination - automat		1	Not specified	2,6 %
			>>>	2	Negative	5,3 %
	(2)	Column agglutination - manual	>>>	18	Negative	47 %
				1	Positive	2,6 %
	(3)	Tube test	>>>	15	Negative	39 %
	(99)	Another measurement principle	>>>	1	Negative	2,6 %
----- Total per sample: n = 38 ----- Success: 95 % -----						
Total success: 95 %						
<b>(1025) Antigen e</b>						
1	(1)	Column agglutination - automat	>>>	3	Positive	7,9 %
	(2)	Column agglutination - manual	>>>	19	Positive	50 %
	(3)	Tube test	>>>	15	Positive	39 %
	(99)	Another measurement principle	>>>	1	Positive	2,6 %
----- Total per sample: n = 38 ----- Success: 100 % -----						
2	(1)	Column agglutination - automat	>>>	3	Positive	7,9 %
	(2)	Column agglutination - manual	>>>	19	Positive	50 %
	(3)	Tube test	>>>	15	Positive	39 %
	(99)	Another measurement principle	>>>	1	Positive	2,6 %
----- Total per sample: n = 38 ----- Success: 100 % -----						
Total success: 100 %						

Test		N	Result	N <sub>rel</sub>
Sample	Group			
<b>(1026) Antigen K</b>				
1	(1) Column agglutination - automat	>>> 3	Negative	7,9 %
	(2) Column agglutination - manual	>>> 19	Negative	50 %
	(3) Tube test	>>> 15	Negative	39 %
	(99) Another measurement principle	>>> 1	Negative	2,6 %
----- Total per sample: n = 38 -----		Success: 100 %		
2	(1) Column agglutination - automat	>>> 3	Positive	7,9 %
	(2) Column agglutination - manual	>>> 19	Positive	50 %
	(3) Tube test	>>> 1	Negative	2,6 %
	(99) Another measurement principle	>>> 14	Positive	37 %
	(99) Another measurement principle	>>> 1	Positive	2,6 %
----- Total per sample: n = 38 -----		Success: 97 %		
Total success: 97 %				
<b>(1027) Antigen k</b>				
1	(2) Column agglutination - manual	>>> 8	Positive	36 %
	(3) Tube test	>>> 14	Positive	64 %
----- Total per sample: n = 22 -----		Success: 100 %		
2	(2) Column agglutination - manual	>>> 1	Negative	4,5 %
	(3) Tube test	>>> 7	Positive	32 %
	(3) Tube test	>>> 14	Positive	64 %
----- Total per sample: n = 22 -----		Success: 95 %		
Total success: 95 %				
<b>(1028) Antigen M</b>				
1	(1) Column agglutination - automat	>>> 1	Positive	4,2 %
	(2) Column agglutination - manual	>>> 5	Positive	21 %
	(3) Tube test	>>> 18	Positive	75 %
----- Total per sample: n = 24 -----		Success: 100 %		
2	(1) Column agglutination - automat	>>> 1	Positive	4,2 %
	(2) Column agglutination - manual	>>> 5	Positive	21 %
	(3) Tube test	>>> 18	Positive	75 %
----- Total per sample: n = 24 -----		Success: 100 %		
Total success: 100 %				
<b>(1029) Antigen N</b>				
1	(1) Column agglutination - automat	>>> 1	Positive	4,5 %
	(2) Column agglutination - manual	>>> 5	Positive	23 %
	(3) Tube test	>>> 16	Positive	73 %
----- Total per sample: n = 22 -----		Success: 100 %		
2	(1) Column agglutination - automat	>>> 1	Negative	4,5 %
	(2) Column agglutination - manual	>>> 5	Negative	23 %
	(3) Tube test	>>> 16	Negative	73 %
----- Total per sample: n = 22 -----		Success: 100 %		
Total success: 100 %				
<b>(1030) Antigen S</b>				
1	(2) Column agglutination - manual	>>> 3	Negative	14 %
	(3) Tube test	>>> 18	Negative	82 %
	(3) Tube test	>>> 1	Positive	4,5 %
----- Total per sample: n = 22 -----		Success: 95 %		
2	(2) Column agglutination - manual	>>> 3	Positive	14 %
	(3) Tube test	>>> 19	Positive	86 %
----- Total per sample: n = 22 -----		Success: 100 %		
Total success: 95 %				
<b>(1031) Antigen s</b>				
1	(2) Column agglutination - manual	>>> 3	Positive	19 %
	(3) Tube test	>>> 1	Negative	6,3 %
	(3) Tube test	>>> 12	Positive	75 %
----- Total per sample: n = 16 -----		Success: 94 %		
2	(2) Column agglutination - manual	>>> 3	Positive	19 %
	(3) Tube test	>>> 13	Positive	81 %
----- Total per sample: n = 16 -----		Success: 100 %		
Total success: 94 %				
<b>(1032) Antigen PI</b>				
1	(2) Column agglutination - manual	>>> 2	Positive	9,5 %
	(3) Tube test	>>> 19	Positive	90 %
----- Total per sample: n = 21 -----		Success: 100 %		
2	(2) Column agglutination - manual	>>> 2	Positive	9,5 %
	(3) Tube test	>>> 19	Positive	90 %
----- Total per sample: n = 21 -----		Success: 100 %		

## Summary statistics - qualitative results

(Groups: measurement principle)

## EQA round: PAT2/17 - Direct Antiglobulin Test

Dead line: 23.11.2017

## Test

Sample	Group	N	Result	N <sub>rel</sub>
Total success: 100 %				
<b>(1033) Antigen Jka</b>				
1	(2) Column agglutination - manual	>>> 4	Positive	16 %
	(3) Tube test	>>> 21	Positive	84 %
	Total per sample: n = 25	Success: 100 %		
2	(2) Column agglutination - manual	>>> 4	Positive	16 %
	(3) Tube test	>>> 21	Positive	84 %
	Total per sample: n = 25	Success: 100 %		
Total success: 100 %				
<b>(1034) Antigen Jkb</b>				
1	(2) Column agglutination - manual	>>> 4	Positive	16 %
	(3) Tube test	>>> 21	Positive	84 %
	Total per sample: n = 25	Success: 100 %		
2	(2) Column agglutination - manual	>>> 4	Positive	16 %
	(3) Tube test	>>> 21	Positive	84 %
	Total per sample: n = 25	Success: 100 %		
Total success: 100 %				
<b>(1035) Antigen Lea</b>				
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	Positive	20 %
	(3) Tube test	>>> 16	Positive	80 %
	Total per sample: n = 20	Success: 100 %		
Total success: 100 %				
<b>(1036) Antigen Leb</b>				
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	>>> 14	Negative	74 %
		1	Positive	5,3 %
	Total per sample: n = 19	Success: 95 %		
Total success: 95 %				

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End of report

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