

## EQA round: PAT1/24 - Direct Antiglobulin Test

Deadline: 31.5.2024

Setup: groups - R (manufacturer of kit)

AV = assigned value

N<sub>tot</sub> = total number of the resultsN<sub>eva</sub> = number of the results assessed

RV = reference value

N<sub>rel</sub> = relative number of the resultsN<sub>suc</sub> = number of successful results

&gt;&gt;&gt; ... expected result

S<sub>rel</sub> = relative success

&gt; ... acceptable result

± ... result not assessed

Test Sample Group	Frequency of the results					Success		
	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Result	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]	
<b>(1001) DAT (direct Coombs test)</b>		92			92	92	100	
<b>Sample 1</b>		92			92	92	100	
(14) Bio-Rad								
	>	1	1,1	Positive (1+)				
	RV >>>	33	36	Positive (2+)				
	>	19	21	Positive (3+)				
(40) Ortho Clinical Diagnostics	>	2	2,2	Positive (3+)				
(80) DiaMed	RV >>>	3	3,3	Positive (2+)				
	>	4	4,3	Positive (3+)				
(159) Grifols	RV >>>	3	3,3	Positive (2+)				
	>	26	28	Positive (3+)				
(173) Sanguin	>	1	1,1	Positive (1+)				
<b>Sample 2</b>		92			92	92	100	
(14) Bio-Rad	RV >>>	25	27	Positive (3+)				
	>	28	30	Positive (4+)				
(40) Ortho Clinical Diagnostics	>	2	2,2	Positive (4+)				
(80) DiaMed	RV >>>	3	3,3	Positive (3+)				
	>	4	4,3	Positive (4+)				
(159) Grifols	RV >>>	3	3,3	Positive (3+)				
	>	26	28	Positive (4+)				
(173) Sanguin	>	1	1,1	Positive (4+)				
<b>(1002) Sensitization specificity anti-IgG</b>		41			41	41	100	
<b>Sample 1</b>		41			41	41	100	
(14) Bio-Rad	RV >>>	12	29	Positive (2+)				
	>	13	32	Positive (3+)				
(80) DiaMed	RV >>>	5	12	Positive (2+)				
	>	4	9,8	Positive (3+)				
(159) Grifols	RV >>>	1	2,4	Positive (2+)				
	>	6	15	Positive (3+)				
<b>Sample 2</b>		41			41	41	100	
(14) Bio-Rad	RV >>>	12	29	Positive (3+)				
	>	13	32	Positive (4+)				
(80) DiaMed	RV >>>	4	9,8	Positive (3+)				
	>	5	12	Positive (4+)				
(159) Grifols	RV >>>	2	4,9	Positive (3+)				
	>	5	12	Positive (4+)				
<b>(1003) Sensitization specificity anti-IgA</b>		32			32	32	100	
<b>Sample 1</b>		32			32	32	100	
(14) Bio-Rad	RV >>>	23	72	Negative				
(80) DiaMed	RV >>>	8	25	Negative				
(159) Grifols	RV >>>	1	3,1	Negative				
<b>Sample 2</b>		32			32	32	100	
(14) Bio-Rad	RV >>>	23	72	Negative				
(80) DiaMed	RV >>>	8	25	Negative				
(159) Grifols	RV >>>	1	3,1	Negative				
<b>(1004) Sensitization specificity anti-IgM</b>		32			32	32	100	
<b>Sample 1</b>		32			32	32	100	
(14) Bio-Rad	RV >>>	23	72	Negative				
(80) DiaMed	RV >>>	8	25	Negative				
(159) Grifols	RV >>>	1	3,1	Negative				
<b>Sample 2</b>		32			32	32	100	
(14) Bio-Rad	RV >>>	23	72	Negative				
(80) DiaMed	RV >>>	8	25	Negative				
(159) Grifols	RV >>>	1	3,1	Negative				
<b>(1005) Sensitization specificity anti-C3c</b>		32			32	30	94	
<b>Sample 1</b>		32			32	30	94	
(14) Bio-Rad	RV >>>	22	69	Negative				
		1	3,1	Positive (1+)				
(80) DiaMed	RV >>>	7	22	Negative				
		1	3,1	Positive (1+)				
(159) Grifols	RV >>>	1	3,1	Negative				
<b>Sample 2</b>		32			32	32	100	
(14) Bio-Rad	RV >>>	17	53	Negative				
	RV >>>	4	13	Positive (1+)				
	RV >>>	2	6,3	Positive (2+)				

## EQA round: PAT1/24 - Direct Antiglobulin Test

Deadline: 31.5.2024

Setup: groups - R (manufacturer of kit)

Test Sample Group	Frequency of the results					Success		
	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Result	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]	
(80) DiaMed	RV >>>	7	22	Negative				
	RV >>>	1	3,1	Positive (1+)				
(159) Grifols	RV >>>	1	3,1	Negative				
<b>(1006) Sensitization specificity anti-C3d</b>		39			39	39	100	
<b>Sample 1</b>		39			39	39	100	
(14) Bio-Rad	RV >>>	25	64	Negative				
(80) DiaMed	RV >>>	9	23	Negative				
(159) Grifols	RV >>>	5	13	Negative				
<b>Sample 2</b>		39			39	39	100	
(14) Bio-Rad	>	7	18	Positive (2+)				
	RV >>>	18	46	Positive (3+)				
(80) DiaMed	>	1	2,6	Positive (1+)				
	>	3	7,7	Positive (2+)				
	RV >>>	5	13	Positive (3+)				
(159) Grifols	>	3	7,7	Positive (2+)				
	RV >>>	2	5,1	Positive (3+)				
<b>(1008) Col. agglut: Quantif. IgG-DAT</b>		23			23	23	100	
<b>Sample 1</b>		23			23	23	100	
(14) Bio-Rad	>	1	4,3	1:10				
	RV >>>	14	61	1:30				
(80) DiaMed	>	1	4,3	1:10				
	RV >>>	6	26	1:30				
(159) Grifols	RV >>>	1	4,3	1:30				
<b>Sample 2</b>		23			23	23	100	
(14) Bio-Rad	RV >>>	13	57	1:100				
	>	2	8,7	1:300				
(80) DiaMed	RV >>>	5	22	1:100				
	>	2	8,7	1:300				
(159) Grifols	>	1	4,3	1:300				
<b>(1009) Col. agglut: Subclass IgG1 1:1</b>		23			23	23	100	
<b>Sample 1</b>		23			23	23	100	
(14) Bio-Rad	RV >>>	16	70	Negative				
(80) DiaMed	RV >>>	7	30	Negative				
<b>Sample 2</b>		23			23	23	100	
(14) Bio-Rad	RV >>>	16	70	Negative				
(80) DiaMed	RV >>>	7	30	Negative				
<b>(1010) Col. agglut: Subclass IgG1 1:100</b>		23			23	23	100	
<b>Sample 1</b>		23			23	23	100	
(14) Bio-Rad	RV >>>	16	70	Negative				
(80) DiaMed	RV >>>	7	30	Negative				
<b>Sample 2</b>		23			23	23	100	
(14) Bio-Rad	RV >>>	16	70	Negative				
(80) DiaMed	RV >>>	7	30	Negative				
<b>(1011) Col. agglut: Subclass IgG3 1:1</b>		23			23	23	100	
<b>Sample 1</b>		23			23	23	100	
(14) Bio-Rad	RV >>>	16	70	Negative				
(80) DiaMed	RV >>>	7	30	Negative				
<b>Sample 2</b>		23			23	23	100	
(14) Bio-Rad	RV >>>	6	26	Positive (3+)				
	>	10	43	Positive (4+)				
(80) DiaMed	>	1	4,3	Positive (2+)				
	RV >>>	1	4,3	Positive (3+)				
	>	5	22	Positive (4+)				
<b>(1012) Col. agglut: Subclass IgG3 1:100</b>		23			23	23	100	
<b>Sample 1</b>		23			23	23	100	
(14) Bio-Rad	RV >>>	16	70	Negative				
(80) DiaMed	RV >>>	7	30	Negative				
<b>Sample 2</b>		23			23	23	100	
(14) Bio-Rad	RV >>>	14	61	Positive (2+)				
	>	2	8,7	Positive (3+)				
(80) DiaMed	>	1	4,3	Positive (1+)				
	RV >>>	4	17	Positive (2+)				
	>	2	8,7	Positive (3+)				
<b>(1019) ABO blood group</b>		61			61	61	100	
<b>Sample 1</b>		61			61	61	100	
(14) Bio-Rad	RV >>>	23	38	Blood group: 0				
(40) Ortho Clinical Diagnostics	RV >>>	2	3,3	Blood group: 0				
(80) DiaMed	RV >>>	2	3,3	Blood group: 0				
(159) Grifols	RV >>>	20	33	Blood group: 0				

## EQA round: PAT1/24 - Direct Antiglobulin Test

Deadline: 31.5.2024

Setup: groups - R (manufacturer of kit)

Test Sample Group	AV	N <sub>tot</sub>	Frequency of the results		Result	Success		
			N <sub>rel</sub> [%]			N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
(172) Immucor	RV	>>>	4	6,6	Blood group: 0			
(173) Sanguin	RV	>>>	6	9,8	Blood group: 0			
(174) IVT Imuno	RV	>>>	3	4,9	Blood group: 0			
(183) Immunodiagnostic Systems	RV	>>>	1	1,6	Blood group: 0			
<b>Sample 2</b>			61			61	61	100
(14) Bio-Rad	RV	>>>	23	38	Blood group: B			
(40) Ortho Clinical Diagnostics	RV	>>>	2	3,3	Blood group: B			
(80) DiaMed	RV	>>>	2	3,3	Blood group: B			
(159) Grifols	RV	>>>	20	33	Blood group: B			
(172) Immucor	RV	>>>	4	6,6	Blood group: B			
(173) Sanguin	RV	>>>	6	9,8	Blood group: B			
(174) IVT Imuno	RV	>>>	3	4,9	Blood group: B			
(183) Immunodiagnostic Systems	RV	>>>	1	1,6	Blood group: B			
<b>(1020) Rh D antigen</b>			61			61	60	98
<b>Sample 1</b>			61			61	60	98
(14) Bio-Rad	RV	>>>	27	44	Positive (RhD+)			
(40) Ortho Clinical Diagnostics	RV	>>>	2	3,3	Positive (RhD+)			
(52) Dynex	RV	>>>	1	1,6	Positive (RhD+)			
(64) Exbio Olomouc	RV	>>>	1	1,6	Positive (RhD+)			
(80) DiaMed	RV	>>>	2	3,3	Positive (RhD+)			
(159) Grifols	RV	>>>	19	31	Positive (RhD+)			
			1	1,6	w/v (RhD weak/variant)			
(172) Immucor	RV	>>>	4	6,6	Positive (RhD+)			
(173) Sanguin	RV	>>>	3	4,9	Positive (RhD+)			
(183) Immunodiagnostic Systems	RV	>>>	1	1,6	Positive (RhD+)			
<b>Sample 2</b>			61			61	60	98
(14) Bio-Rad	RV	>>>	27	44	Positive (RhD+)			
(40) Ortho Clinical Diagnostics	RV	>>>	2	3,3	Positive (RhD+)			
(52) Dynex	RV	>>>	1	1,6	Positive (RhD+)			
(64) Exbio Olomouc	RV	>>>	1	1,6	Positive (RhD+)			
(80) DiaMed	RV	>>>	2	3,3	Positive (RhD+)			
(159) Grifols	RV	>>>	19	31	Positive (RhD+)			
			1	1,6	w/v (RhD weak/variant)			
(172) Immucor	RV	>>>	4	6,6	Positive (RhD+)			
(173) Sanguin	RV	>>>	3	4,9	Positive (RhD+)			
(183) Immunodiagnostic Systems	RV	>>>	1	1,6	Positive (RhD+)			
<b>(1021) Antigen C</b>			50			50	50	100
<b>Sample 1</b>			50			50	50	100
(14) Bio-Rad	RV	>>>	20	40	Positive			
(50) Merck	RV	>>>	1	2	Positive			
(80) DiaMed	RV	>>>	1	2	Positive			
(159) Grifols	RV	>>>	20	40	Positive			
(172) Immucor	RV	>>>	4	8	Positive			
(173) Sanguin	RV	>>>	2	4	Positive			
(183) Immunodiagnostic Systems	RV	>>>	1	2	Positive			
(999) another manufacturer	RV	>>>	1	2	Positive			
<b>Sample 2</b>			50			50	50	100
(14) Bio-Rad	RV	>>>	20	40	Positive			
(50) Merck	RV	>>>	1	2	Positive			
(80) DiaMed	RV	>>>	1	2	Positive			
(159) Grifols	RV	>>>	20	40	Positive			
(172) Immucor	RV	>>>	4	8	Positive			
(173) Sanguin	RV	>>>	2	4	Positive			
(183) Immunodiagnostic Systems	RV	>>>	1	2	Positive			
(999) another manufacturer	RV	>>>	1	2	Positive			
<b>(1022) Antigen c</b>			50			50	50	100
<b>Sample 1</b>			50			50	50	100
(14) Bio-Rad	RV	>>>	20	40	Positive			
(50) Merck	RV	>>>	1	2	Positive			
(80) DiaMed	RV	>>>	1	2	Positive			
(159) Grifols	RV	>>>	20	40	Positive			
(172) Immucor	RV	>>>	4	8	Positive			
(173) Sanguin	RV	>>>	2	4	Positive			
(183) Immunodiagnostic Systems	RV	>>>	1	2	Positive			
(999) another manufacturer	RV	>>>	1	2	Positive			
<b>Sample 2</b>			50			50	50	100
(14) Bio-Rad	RV	>>>	20	40	Positive			
(50) Merck	RV	>>>	1	2	Positive			
(80) DiaMed	RV	>>>	1	2	Positive			

## EQA round: PAT1/24 - Direct Antiglobulin Test

Deadline: 31.5.2024

Setup: groups - R (manufacturer of kit)

Test Sample Group	Frequency of the results					Success		
	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Result	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]	
(159) Grifols	RV	>>>	20	40	Positive			
(172) Immucor	RV	>>>	4	8	Positive			
(173) Sanguin	RV	>>>	2	4	Positive			
(183) Immunodiagnostic Systems	RV	>>>	1	2	Positive			
(999) another manufacturer	RV	>>>	1	2	Positive			
<b>(1024) Antigen E</b>			51			51	51	100
<b>Sample 1</b>			51			51	51	100
(14) Bio-Rad	RV	>>>	21	41	Negative			
(50) Merck	RV	>>>	1	2	Negative			
(80) DiaMed	RV	>>>	1	2	Negative			
(159) Grifols	RV	>>>	20	39	Negative			
(172) Immucor	RV	>>>	4	7,8	Negative			
(173) Sanguin	RV	>>>	2	3,9	Negative			
(183) Immunodiagnostic Systems	RV	>>>	1	2	Negative			
(999) another manufacturer	RV	>>>	1	2	Negative			
<b>Sample 2</b>			51			51	51	100
(14) Bio-Rad	RV	>>>	21	41	Negative			
(50) Merck	RV	>>>	1	2	Negative			
(80) DiaMed	RV	>>>	1	2	Negative			
(159) Grifols	RV	>>>	20	39	Negative			
(172) Immucor	RV	>>>	4	7,8	Negative			
(173) Sanguin	RV	>>>	2	3,9	Negative			
(183) Immunodiagnostic Systems	RV	>>>	1	2	Negative			
(999) another manufacturer	RV	>>>	1	2	Negative			
<b>(1025) Antigen e</b>			50			50	50	100
<b>Sample 1</b>			50			50	50	100
(14) Bio-Rad	RV	>>>	20	40	Positive			
(50) Merck	RV	>>>	1	2	Positive			
(80) DiaMed	RV	>>>	1	2	Positive			
(159) Grifols	RV	>>>	20	40	Positive			
(172) Immucor	RV	>>>	4	8	Positive			
(173) Sanguin	RV	>>>	2	4	Positive			
(183) Immunodiagnostic Systems	RV	>>>	1	2	Positive			
(999) another manufacturer	RV	>>>	1	2	Positive			
<b>Sample 2</b>			50			50	50	100
(14) Bio-Rad	RV	>>>	20	40	Positive			
(50) Merck	RV	>>>	1	2	Positive			
(80) DiaMed	RV	>>>	1	2	Positive			
(159) Grifols	RV	>>>	20	40	Positive			
(172) Immucor	RV	>>>	4	8	Positive			
(173) Sanguin	RV	>>>	2	4	Positive			
(183) Immunodiagnostic Systems	RV	>>>	1	2	Positive			
(999) another manufacturer	RV	>>>	1	2	Positive			
<b>(1023) Antigen C<sup>w</sup></b>			43			43	43	100
<b>Sample 1</b>			43			43	43	100
(14) Bio-Rad	RV	>>>	10	23	Negative			
(50) Merck	RV	>>>	1	2,3	Negative			
(159) Grifols	RV	>>>	20	47	Negative			
(170) Biotest	RV	>>>	1	2,3	Negative			
(172) Immucor	RV	>>>	4	9,3	Negative			
(173) Sanguin	RV	>>>	5	12	Negative			
(174) IVT Imuno	RV	>>>	1	2,3	Negative			
(999) another manufacturer	RV	>>>	1	2,3	Negative			
<b>Sample 2</b>			43			43	43	100
(14) Bio-Rad	RV	>>>	10	23	Negative			
(50) Merck	RV	>>>	1	2,3	Negative			
(159) Grifols	RV	>>>	20	47	Negative			
(170) Biotest	RV	>>>	1	2,3	Negative			
(172) Immucor	RV	>>>	4	9,3	Negative			
(173) Sanguin	RV	>>>	5	12	Negative			
(174) IVT Imuno	RV	>>>	1	2,3	Negative			
(999) another manufacturer	RV	>>>	1	2,3	Negative			
<b>(1026) Antigen K</b>			52			52	52	100
<b>Sample 1</b>			52			52	52	100
(14) Bio-Rad	RV	>>>	20	38	Negative			
(50) Merck	RV	>>>	1	1,9	Negative			
(80) DiaMed	RV	>>>	1	1,9	Negative			
(159) Grifols	RV	>>>	21	40	Negative			
(172) Immucor	RV	>>>	4	7,7	Negative			

## EQA round: PAT1/24 - Direct Antiglobulin Test

Deadline: 31.5.2024

Setup: groups - R (manufacturer of kit)

Test Sample Group	Frequency of the results				Success		
	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Result	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
(173) Sanguin	RV	>>>	2	3,8	Negative		
(174) IVT Imuno	RV	>>>	1	1,9	Negative		
(183) Immunodiagnostic Systems	RV	>>>	1	1,9	Negative		
(999) another manufacturer	RV	>>>	1	1,9	Negative		
<b>Sample 2</b>			52			52	52 100
(14) Bio-Rad	RV	>>>	20	38	Negative		
(50) Merck	RV	>>>	1	1,9	Negative		
(80) DiaMed	RV	>>>	1	1,9	Negative		
(159) Grifols	RV	>>>	21	40	Negative		
(172) Immucor	RV	>>>	4	7,7	Negative		
(173) Sanguin	RV	>>>	2	3,8	Negative		
(174) IVT Imuno	RV	>>>	1	1,9	Negative		
(183) Immunodiagnostic Systems	RV	>>>	1	1,9	Negative		
(999) another manufacturer	RV	>>>	1	1,9	Negative		
<b>(1027) Antigen k</b>			27			27	27 100
<b>Sample 1</b>			27			27	27 100
(14) Bio-Rad	RV	>>>	5	19	Positive		
(64) Exbio Olomouc	RV	>>>	3	11	Positive		
(80) DiaMed	RV	>>>	2	7,4	Positive		
(159) Grifols	RV	>>>	1	3,7	Positive		
(172) Immucor	RV	>>>	2	7,4	Positive		
(173) Sanguin	RV	>>>	14	52	Positive		
<b>Sample 2</b>			27			27	27 100
(14) Bio-Rad	RV	>>>	5	19	Positive		
(64) Exbio Olomouc	RV	>>>	3	11	Positive		
(80) DiaMed	RV	>>>	2	7,4	Positive		
(159) Grifols	RV	>>>	1	3,7	Positive		
(172) Immucor	RV	>>>	2	7,4	Positive		
(173) Sanguin	RV	>>>	14	52	Positive		
<b>(1039) Antigen Kp<sup>a</sup></b>			7			7	2 29
<b>Sample 1</b>			7			7	4 57
(14) Bio-Rad	RV	>>>	1	14	Negative		
			1	14	Positive		
(80) DiaMed	RV	>>>	1	14	Negative		
(159) Grifols	RV	>>>	1	14	Negative		
			2	29	Positive		
(172) Immucor	RV	>>>	1	14	Negative		
<b>Sample 2</b>			7			7	3 43
(14) Bio-Rad	RV	>>>	2	29	Negative		
(80) DiaMed	RV	>>>	1	14	Negative		
(159) Grifols			1	14	Not specified		
			2	29	Positive		
(172) Immucor			1	14	Positive		
<b>(1040) Antigen Kp<sup>b</sup></b>			4			4	4 100
<b>Sample 1</b>			4			4	4 100
(14) Bio-Rad	RV	>>>	1	25	Positive		
(80) DiaMed	RV	>>>	1	25	Positive		
(159) Grifols	RV	>>>	1	25	Positive		
(172) Immucor	RV	>>>	1	25	Positive		
<b>Sample 2</b>			4			4	4 100
(14) Bio-Rad	RV	>>>	1	25	Positive		
(80) DiaMed	RV	>>>	1	25	Positive		
(159) Grifols	RV	>>>	1	25	Positive		
(172) Immucor	RV	>>>	1	25	Positive		
<b>(1033) Antigen Jk<sup>a</sup></b>			28			28	28 100
<b>Sample 1</b>			28			28	28 100
(14) Bio-Rad	RV	>>>	2	7,1	Positive		
(52) Dynex	RV	>>>	1	3,6	Positive		
(64) Exbio Olomouc	RV	>>>	1	3,6	Positive		
(159) Grifols	RV	>>>	8	29	Positive		
(172) Immucor	RV	>>>	8	29	Positive		
(173) Sanguin	RV	>>>	8	29	Positive		
<b>Sample 2</b>			28			28	28 100
(14) Bio-Rad	RV	>>>	2	7,1	Positive		
(52) Dynex	RV	>>>	1	3,6	Positive		
(64) Exbio Olomouc	RV	>>>	1	3,6	Positive		
(159) Grifols	RV	>>>	8	29	Positive		
(172) Immucor	RV	>>>	8	29	Positive		
(173) Sanguin	RV	>>>	8	29	Positive		

## EQA round: PAT1/24 - Direct Antiglobulin Test

Deadline: 31.5.2024

Setup: groups - R (manufacturer of kit)

Test Sample Group	Frequency of the results					Success		
	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Result	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]	
<b>(1034) Antigen Jk<sup>b</sup></b>		28			28	28	100	
<b>Sample 1</b>		28			28	28	100	
(14) Bio-Rad	RV >>>	2	7,1	Positive				
(64) Exbio Olomouc	RV >>>	1	3,6	Positive				
(159) Grifols	RV >>>	8	29	Positive				
(172) Immucor	RV >>>	8	29	Positive				
(173) Sanguin	RV >>>	9	32	Positive				
<b>Sample 2</b>		28			28	28	100	
(14) Bio-Rad	RV >>>	2	7,1	Positive				
(64) Exbio Olomouc	RV >>>	1	3,6	Positive				
(159) Grifols	RV >>>	8	29	Positive				
(172) Immucor	RV >>>	8	29	Positive				
(173) Sanguin	RV >>>	9	32	Positive				
<b>(1028) Antigen M</b>		26			26	26	100	
<b>Sample 1</b>		26			26	26	100	
(14) Bio-Rad	RV >>>	4	15	Positive				
(64) Exbio Olomouc	RV >>>	1	3,8	Positive				
(80) DiaMed	RV >>>	1	3,8	Positive				
(159) Grifols	RV >>>	6	23	Positive				
(172) Immucor	RV >>>	6	23	Positive				
(173) Sanguin	RV >>>	4	15	Positive				
(174) IVT Imuno	RV >>>	1	3,8	Positive				
(183) Immunodiagnostic Systems	RV >>>	1	3,8	Positive				
(203) ANTITOXIN	RV >>>	2	7,7	Positive				
<b>Sample 2</b>		26			26	26	100	
(14) Bio-Rad	RV >>>	4	15	Positive				
(64) Exbio Olomouc	RV >>>	1	3,8	Positive				
(80) DiaMed	RV >>>	1	3,8	Positive				
(159) Grifols	RV >>>	6	23	Positive				
(172) Immucor	RV >>>	6	23	Positive				
(173) Sanguin	RV >>>	4	15	Positive				
(174) IVT Imuno	RV >>>	1	3,8	Positive				
(183) Immunodiagnostic Systems	RV >>>	1	3,8	Positive				
(203) ANTITOXIN	RV >>>	2	7,7	Positive				
<b>(1029) Antigen N</b>		24			24	22	92	
<b>Sample 1</b>		24			24	24	100	
(14) Bio-Rad	RV >>>	4	17	Positive				
(64) Exbio Olomouc	RV >>>	1	4,2	Positive				
(80) DiaMed	RV >>>	1	4,2	Positive				
(159) Grifols	RV >>>	6	25	Positive				
(172) Immucor	RV >>>	4	17	Positive				
(173) Sanguin	RV >>>	4	17	Positive				
(174) IVT Imuno	RV >>>	1	4,2	Positive				
(183) Immunodiagnostic Systems	RV >>>	1	4,2	Positive				
(203) ANTITOXIN	RV >>>	2	8,3	Positive				
<b>Sample 2</b>		24			24	22	92	
(14) Bio-Rad	RV >>>	4	17	Negative				
(64) Exbio Olomouc	RV >>>	1	4,2	Negative				
(80) DiaMed	RV >>>	1	4,2	Negative				
(159) Grifols	RV >>>	6	25	Negative				
(172) Immucor	RV >>>	3	13	Negative				
(173) Sanguin	RV >>>	1	4,2	Positive				
(174) IVT Imuno	RV >>>	4	17	Negative				
(174) IVT Imuno	RV >>>	1	4,2	Negative				
(183) Immunodiagnostic Systems	RV >>>	1	4,2	Negative				
(203) ANTITOXIN	RV >>>	1	4,2	Negative				
		1	4,2	Positive				
<b>(1030) Antigen S</b>		24			24	24	100	
<b>Sample 1</b>		24			24	24	100	
(14) Bio-Rad	RV >>>	2	8,3	Positive				
(64) Exbio Olomouc	RV >>>	2	8,3	Positive				
(159) Grifols	RV >>>	5	21	Positive				
(172) Immucor	RV >>>	10	42	Positive				
(173) Sanguin	RV >>>	4	17	Positive				
(183) Immunodiagnostic Systems	RV >>>	1	4,2	Positive				
<b>Sample 2</b>		24			24	24	100	
(14) Bio-Rad	RV >>>	2	8,3	Positive				
(64) Exbio Olomouc	RV >>>	2	8,3	Positive				
(159) Grifols	RV >>>	5	21	Positive				

## EQA round: PAT1/24 - Direct Antiglobulin Test

Deadline: 31.5.2024

Setup: groups - R (manufacturer of kit)

Test Sample Group	Frequency of the results					Success		
	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Result	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]	
(172) Immucor	RV >>>	10	42	Positive				
(173) Sanguin	RV >>>	4	17	Positive				
(183) Immunodiagnostic Systems	RV >>>	1	4,2	Positive				
<b>(1031) Antigen s</b>		18			18	18	100	
<b>Sample 1</b>		18			18	18	100	
(14) Bio-Rad	RV >>>	1	5,6	Positive				
(64) Exbio Olomouc	RV >>>	1	5,6	Positive				
(159) Grifols	RV >>>	5	28	Positive				
(172) Immucor	RV >>>	11	61	Positive				
<b>Sample 2</b>		18			18	18	100	
(14) Bio-Rad	RV >>>	1	5,6	Positive				
(64) Exbio Olomouc	RV >>>	1	5,6	Positive				
(159) Grifols	RV >>>	5	28	Positive				
(172) Immucor	RV >>>	11	61	Positive				
<b>(1035) Antigen Le<sup>a</sup></b>		20			20	17	85	
<b>Sample 1</b>		20			20	18	90	
(14) Bio-Rad		1	5	Not specified				
(64) Exbio Olomouc	RV >>>	2	10	Negative				
(80) DiaMed	RV >>>	1	5	Negative				
(159) Grifols	RV >>>	5	25	Negative				
		1	5	Positive				
(172) Immucor	RV >>>	7	35	Negative				
(173) Sanguin	RV >>>	3	15	Negative				
<b>Sample 2</b>		20			20	18	90	
(14) Bio-Rad	RV >>>	1	5	Negative				
(64) Exbio Olomouc	RV >>>	1	5	Negative				
		1	5	Positive				
(80) DiaMed	RV >>>	1	5	Negative				
(159) Grifols	RV >>>	5	25	Negative				
		1	5	Positive				
(172) Immucor	RV >>>	7	35	Negative				
(173) Sanguin	RV >>>	3	15	Negative				
<b>(1036) Antigen Le<sup>b</sup></b>		19			19	18	95	
<b>Sample 1</b>		19			19	18	95	
(14) Bio-Rad		1	5,3	Not specified				
(64) Exbio Olomouc	RV >>>	1	5,3	Positive				
(80) DiaMed	RV >>>	1	5,3	Positive				
(159) Grifols	RV >>>	5	26	Positive				
(172) Immucor	RV >>>	7	37	Positive				
(173) Sanguin	RV >>>	2	11	Positive				
(999) another manufacturer	RV >>>	2	11	Positive				
<b>Sample 2</b>		19			19	19	100	
(14) Bio-Rad	RV >>>	1	5,3	Positive				
(64) Exbio Olomouc	RV >>>	1	5,3	Positive				
(80) DiaMed	RV >>>	1	5,3	Positive				
(159) Grifols	RV >>>	5	26	Positive				
(172) Immucor	RV >>>	7	37	Positive				
(173) Sanguin	RV >>>	2	11	Positive				
(999) another manufacturer	RV >>>	2	11	Positive				
<b>(1032) Antigen P1</b>		20			20	18	90	
<b>Sample 1</b>		20			20	18	90	
(14) Bio-Rad	RV >>>	2	10	Negative				
		2	10	Positive				
(64) Exbio Olomouc	RV >>>	1	5	Negative				
(80) DiaMed	RV >>>	1	5	Negative				
(159) Grifols	RV >>>	3	15	Negative				
(172) Immucor	RV >>>	6	30	Negative				
(173) Sanguin	RV >>>	5	25	Negative				
<b>Sample 2</b>		20			20	20	100	
(14) Bio-Rad	RV >>>	4	20	Positive				
(64) Exbio Olomouc	RV >>>	1	5	Positive				
(80) DiaMed	RV >>>	1	5	Positive				
(159) Grifols	RV >>>	3	15	Positive				
(172) Immucor	RV >>>	6	30	Positive				
(173) Sanguin	RV >>>	5	25	Positive				