

## EQA round: PAT2/23 - Direct Antiglobulin Test

Deadline: 17.11.2023

Setup: all data

AV = assigned value

RV = reference value

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

&gt; ... acceptable result

± ... result not assessed

N<sub>tot</sub> = total number of the resultsN<sub>rel</sub> = relative number of the resultsN<sub>eva</sub> = number of the results assessedN<sub>suc</sub> = number of successful resultsS<sub>rel</sub> = relative success

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>		87			87	86	99
<b>Sample 1</b>		87			87	86	99
All results		1	1,1	Negative			
	>	1	1,1	Positive (1+)			
	>	10	11	Positive (2+)			
RV >>>	>	62	71	Positive (3+)			
	>	13	15	Positive (4+)			
<b>Sample 2</b>		87			87	86	99
All results		1	1,1	Negative			
	>	3	3,4	Positive (2+)			
RV >>>	>	57	66	Positive (3+)			
	>	26	30	Positive (4+)			
<b>(1002) Sensitization specificity anti-IgG</b>		41			41	41	100
<b>Sample 1</b>		41			41	41	100
All results		>	4	9,8	Positive (2+)		
RV >>>	>	30	73	Positive (3+)			
	>	7	17	Positive (4+)			
<b>Sample 2</b>		41			41	41	100
All results		>	1	2,4	Positive (2+)		
RV >>>	>	28	68	Positive (3+)			
	>	12	29	Positive (4+)			
<b>(1003) Sensitization specificity anti-IgA</b>		32			32	32	100
<b>Sample 1</b>		32			32	32	100
All results	RV >>>	32	100	Negative			
<b>Sample 2</b>		32			32	32	100
All results	RV >>>	32	100	Negative			
<b>(1004) Sensitization specificity anti-IgM</b>		32			32	32	100
<b>Sample 1</b>		32			32	32	100
All results	RV >>>	32	100	Negative			
<b>Sample 2</b>		32			32	32	100
All results	RV >>>	32	100	Negative			
<b>(1005) Sensitization specificity anti-C3c</b>		32			32	32	100
<b>Sample 1</b>		32			32	32	100
All results	RV >>>	32	100	Negative			
<b>Sample 2</b>		32			32	32	100
All results	RV >>>	32	100	Negative			
<b>(1006) Sensitization specificity anti-C3d</b>		38			38	38	100
<b>Sample 1</b>		38			38	38	100
All results	RV >>>	38	100	Negative			
<b>Sample 2</b>		38			38	38	100
All results	RV >>>	38	100	Negative			
<b>(1008) Col. agglut: Quantif. IgG-DAT</b>		22			22	22	100
<b>Sample 1</b>		22			22	22	100
All results	RV >>>	20	91	1:30			
	>	2	9,1	1:100			
<b>Sample 2</b>		22			22	22	100
All results	RV >>>	21	95	1:100			
	>	1	4,5	1:300			
<b>(1009) Col. agglut: Subclass IgG1 1:1</b>		23			23	23	100
<b>Sample 1</b>		23			23	23	100
All results	RV >>>	14	61	Negative			
	>	9	39	Positive (1+)			
<b>Sample 2</b>		23			23	23	100
All results	>	11	48	Positive (1+)			
RV >>>	>	11	48	Positive (2+)			
	>	1	4,3	Positive (3+)			
<b>(1010) Col. agglut: Subclass IgG1 1:100</b>		23			23	23	100
<b>Sample 1</b>		23			23	23	100
All results	RV >>>	23	100	Negative			
<b>Sample 2</b>		23			23	23	100
All results	RV >>>	23	100	Negative			
<b>(1011) Col. agglut: Subclass IgG3 1:1</b>		23			23	23	100
<b>Sample 1</b>		23			23	23	100
All results	RV >>>	23	100	Negative			

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<b>Sample 2</b>		23						
All results	RV >>>	23	100	Negative	23	23	100	
(1012) <b>Col. agglut: Subclass IgG3 1:100</b>		23			23	23	100	
<b>Sample 1</b>		23			23	23	100	
All results	RV >>>	23	100	Negative				
<b>Sample 2</b>		23			23	23	100	
All results	RV >>>	23	100	Negative				
(1019) <b>ABO blood group</b>		58			58	58	100	
<b>Sample 1</b>		58			58	58	100	
All results	RV >>>	58	100	Blood group: A				
<b>Sample 2</b>		58			58	58	100	
All results	RV >>>	58	100	Blood group: A				
(1020) <b>Rh D antigen</b>		58			58	58	100	
<b>Sample 1</b>		58			58	58	100	
All results	RV >>>	58	100	Positive (RhD+)				
<b>Sample 2</b>		58			58	58	100	
All results	RV >>>	58	100	Positive (RhD+)				
(1021) <b>Antigen C</b>		48			48	48	100	
<b>Sample 1</b>		48			48	48	100	
All results	RV >>>	48	100	Positive				
<b>Sample 2</b>		48			48	48	100	
All results	RV >>>	48	100	Positive				
(1022) <b>Antigen c</b>		48			48	48	100	
<b>Sample 1</b>		48			48	48	100	
All results	RV >>>	48	100	Negative				
<b>Sample 2</b>		48			48	48	100	
All results	RV >>>	48	100	Positive				
(1024) <b>Antigen E</b>		49			49	49	100	
<b>Sample 1</b>		49			49	49	100	
All results	RV >>>	49	100	Negative				
<b>Sample 2</b>		49			49	49	100	
All results	RV >>>	49	100	Negative				
(1025) <b>Antigen e</b>		48			48	48	100	
<b>Sample 1</b>		48			48	48	100	
All results	RV >>>	48	100	Positive				
<b>Sample 2</b>		48			48	48	100	
All results	RV >>>	48	100	Positive				
(1023) <b>Antigen C<sup>w</sup></b>		39			39	39	100	
<b>Sample 1</b>		39			39	39	100	
All results	RV >>>	39	100	Negative				
<b>Sample 2</b>		39			39	39	100	
All results	RV >>>	39	100	Negative				
(1026) <b>Antigen K</b>		49			49	48	98	
<b>Sample 1</b>		49			49	48	98	
All results	RV >>>	48	98	Negative 1 2 Positive				
<b>Sample 2</b>		49			49	48	98	
All results	RV >>>	48	98	Negative 1 2 Positive				
(1027) <b>Antigen k</b>		27			27	27	100	
<b>Sample 1</b>		27			27	27	100	
All results	RV >>>	27	100	Positive				
<b>Sample 2</b>		27			27	27	100	
All results	RV >>>	27	100	Positive				
(1039) <b>Antigen Kp<sup>a</sup></b>		4			4	3	75	
<b>Sample 1</b>		4			4	3	75	
All results	RV >>>	3	75	Negative 1 25 Positive				
<b>Sample 2</b>		4			4	3	75	
All results	RV >>>	3	75	Negative 1 25 Positive				
(1040) <b>Antigen Kp<sup>b</sup></b>		2			2	2	100	
<b>Sample 1</b>		2			2	2	100	
All results	RV >>>	2	100	Positive				
<b>Sample 2</b>		2			2	2	100	
All results	RV >>>	2	100	Positive				
(1033) <b>Antigen Jk<sup>a</sup></b>		26			26	26	100	
<b>Sample 1</b>		26			26	26	100	
All results	RV >>>	26	100	Positive				

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<b>Sample 2</b>		26				26	26	100
All results	RV >>>	26	100	Positive				
(1034) <b>Antigen Jk<sup>b</sup></b>		26				26	25	96
<b>Sample 1</b>		26				26	25	96
All results	RV >>>	25	96	Negative				
		1	3,8	Positive				
<b>Sample 2</b>		26				26	26	100
All results	RV >>>	26	100	Positive				
(1028) <b>Antigen M</b>		24				24	24	100
<b>Sample 1</b>		24				24	24	100
All results	RV >>>	24	100	Positive				
<b>Sample 2</b>		24				24	24	100
All results	RV >>>	24	100	Positive				
(1029) <b>Antigen N</b>		22				22	21	95
<b>Sample 1</b>		22				22	22	100
All results	RV >>>	22	100	Positive				
<b>Sample 2</b>		22				22	21	95
All results	RV >>>	21	95	Negative				
		1	4,5	Positive				
(1030) <b>Antigen S</b>		24				24	23	96
<b>Sample 1</b>		24				24	24	100
All results	RV >>>	24	100	Positive				
<b>Sample 2</b>		24				24	23	96
All results	RV >>>	23	96	Negative				
		1	4,2	Positive				
(1031) <b>Antigen s</b>		18				18	15	83
<b>Sample 1</b>		18				18	15	83
All results	RV >>>	15	83	Negative				
		3	17	Positive				
<b>Sample 2</b>		18				18	18	100
All results	RV >>>	18	100	Positive				
(1035) <b>Antigen Le<sup>a</sup></b>		18				18	15	83
<b>Sample 1</b>		18				18	15	83
All results	RV >>>	15	83	Negative				
		3	17	Positive				
<b>Sample 2</b>		18				18	15	83
All results	RV >>>	15	83	Negative				
		3	17	Positive				
(1036) <b>Antigen Le<sup>b</sup></b>		18				18	16	89
<b>Sample 1</b>		18				18	16	89
All results		2	11	Negative				
	RV >>>	16	89	Positive				
<b>Sample 2</b>		18				18	17	94
All results		1	5,6	Negative				
	RV >>>	17	94	Positive				
(1032) <b>Antigen P1</b>		19				19	19	100
<b>Sample 1</b>		19				19	19	100
All results	RV >>>	19	100	Positive				
<b>Sample 2</b>		19				19	19	100
All results	RV >>>	19	100	Positive				