

EQA round: PAT1/23 - Direct Antiglobulin Test

Deadline: 2.6.2023

Setup: all data

AV = assigned value

RV = reference value

>>> ... expected result

> ... acceptable result

± ... result not assessed

N_{tot} = total number of the resultsN_{rel} = relative number of the resultsN_{eva} = number of the results assessedN_{suc} = number of successful resultsS_{rel} = relative success

Test Sample Group	Frequency of the results				Success		
	AV	N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
(1001) DAT (direct Coombs test)		87			87	76	87
Sample 1		87			87	86	99
All results		1	1,1	Negative			
		>	27	31	Positive (3+)		
	RV	>>>	59	68	Positive (4+)		
Sample 2		87			87	77	89
All results		10	11	Negative			
	RV	>>>	69	79	Positive (1+)		
		>	7	8	Positive (2+)		
		>	1	1,1	Positive (4+)		
(1002) Sensitization specificity anti-IgG		41			41	38	93
Sample 1		41			41	41	100
All results		>	12	29	Positive (3+)		
	RV	>>>	29	71	Positive (4+)		
Sample 2		41			41	38	93
All results		3	7,3	Negative			
	RV	>>>	35	85	Positive (1+)		
		>	3	7,3	Positive (2+)		
(1003) Sensitization specificity anti-IgA		32			32	32	100
Sample 1		32			32	32	100
All results		RV	>>>	32	100	Negative	
Sample 2		32			32	32	100
All results		RV	>>>	32	100	Negative	
(1004) Sensitization specificity anti-IgM		32			32	32	100
Sample 1		32			32	32	100
All results		RV	>>>	32	100	Negative	
Sample 2		32			32	32	100
All results		RV	>>>	32	100	Negative	
(1005) Sensitization specificity anti-C3c		32			32	32	100
Sample 1		32			32	32	100
All results		RV	>>>	23	72	Negative	
		RV	>>>	7	22	Positive (1+)	
		RV	>>>	2	6,3	Positive (2+)	
Sample 2		32			32	32	100
All results		RV	>>>	32	100	Negative	
(1006) Sensitization specificity anti-C3d		38			38	38	100
Sample 1		38			38	38	100
All results		>	2	5,3	Positive (1+)		
	RV	>>>	29	76	Positive (2+)		
		>	7	18	Positive (3+)		
Sample 2		38			38	38	100
All results		RV	>>>	38	100	Negative	
(1008) Col. agglut: Quantif. IgG-DAT		22			22	19	86
Sample 1		22			22	22	100
All results		RV	>>>	21	95	1:100	
		>	1	4,5	1:300		
Sample 2		22			22	19	86
All results		2	9,1	Not specified			
	RV	>>>	19	86	Negative		
		1	4,5	1:10			
(1009) Col. agglut: Subclass IgG1 1:1		23			23	21	91
Sample 1		23			23	23	100
All results		RV	>>>	23	100	Negative	
Sample 2		23			23	21	91
All results		2	8,7	Not specified			
	RV	>>>	21	91	Negative		
(1010) Col. agglut: Subclass IgG1 1:100		23			23	21	91
Sample 1		23			23	23	100
All results		RV	>>>	23	100	Negative	
Sample 2		23			23	21	91
All results		2	8,7	Not specified			
	RV	>>>	21	91	Negative		

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	AV	N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
(1011) Col. agglut: Subclass IgG3 1:1		23			23	21	91
Sample 1		23			23	23	100
All results							
		>	4	17	Positive (3+)		
	RV	>>>	19	83	Positive (4+)		
Sample 2		23			23	21	91
All results							
		2	8,7	Not specified			
	RV	>>>	21	91	Negative		
(1012) Col. agglut: Subclass IgG3 1:100		23			23	21	91
Sample 1		23			23	23	100
All results							
	RV	>>>	10	43	Positive (2+)		
		>	13	57	Positive (3+)		
Sample 2		23			23	21	91
All results							
		2	8,7	Not specified			
	RV	>>>	21	91	Negative		
(1019) AB0 blood group		58			58	58	100
Sample 1		58			58	58	100
All results							
	RV	>>>	58	100	Blood group: B		
Sample 2		58			58	58	100
All results							
	RV	>>>	58	100	Blood group: 0		
(1020) Rh D antigen		58			58	58	100
Sample 1		58			58	58	100
All results							
	RV	>>>	58	100	Positive (RhD+)		
Sample 2		58			58	58	100
All results							
	RV	>>>	58	100	Positive (RhD+)		
(1021) Antigen C		48			48	48	100
Sample 1		48			48	48	100
All results							
	RV	>>>	48	100	Positive		
Sample 2		48			48	48	100
All results							
	RV	>>>	48	100	Negative		
(1022) Antigen c		48			48	48	100
Sample 1		48			48	48	100
All results							
	RV	>>>	48	100	Positive		
Sample 2		48			48	48	100
All results							
	RV	>>>	48	100	Positive		
(1024) Antigen E		49			49	49	100
Sample 1		49			49	49	100
All results							
	RV	>>>	49	100	Negative		
Sample 2		49			49	49	100
All results							
	RV	>>>	49	100	Positive		
(1025) Antigen e		48			48	47	98
Sample 1		48			48	47	98
All results							
		1	2,1	Negative			
	RV	>>>	47	98	Positive		
Sample 2		48			48	48	100
All results							
	RV	>>>	48	100	Positive		
(1023) Antigen C^w		39			39	39	100
Sample 1		39			39	39	100
All results							
	RV	>>>	39	100	Negative		
Sample 2		39			39	39	100
All results							
	RV	>>>	39	100	Negative		
(1026) Antigen K		49			49	49	100
Sample 1		49			49	49	100
All results							
	RV	>>>	49	100	Negative		
Sample 2		49			49	49	100
All results							
	RV	>>>	49	100	Negative		
(1027) Antigen k		27			27	27	100
Sample 1		27			27	27	100
All results							
	RV	>>>	27	100	Positive		
Sample 2		27			27	27	100
All results							
	RV	>>>	27	100	Positive		
(1039) Antigen Kp^a		5			5	2	40
Sample 1		5			5	3	60
All results							
		2	40	Not specified			
	RV	>>>	3	60	Negative		
Sample 2		5			5	4	80
All results							
	RV	>>>	4	80	Negative		
		1	20	Positive			

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	AV	N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
(1040) Antigen Kp^b		4			4	3	75
Sample 1		4			4	3	75
All results		1	25	Not specified			
	RV >>>	3	75	Positive			
Sample 2		4			4	4	100
All results	RV >>>	4	100	Positive			
(1033) Antigen Jk^a		28			28	28	100
Sample 1		28			28	28	100
All results	RV >>>	28	100	Positive			
Sample 2		28			28	28	100
All results	RV >>>	28	100	Positive			
(1034) Antigen Jk^b		28			28	28	100
Sample 1		28			28	28	100
All results	RV >>>	28	100	Positive			
Sample 2		28			28	28	100
All results	RV >>>	28	100	Positive			
(1028) Antigen M		24			24	24	100
Sample 1		24			24	24	100
All results	RV >>>	24	100	Positive			
Sample 2		24			24	24	100
All results	RV >>>	24	100	Positive			
(1029) Antigen N		22			22	22	100
Sample 1		22			22	22	100
All results	RV >>>	22	100	Negative			
Sample 2		22			22	22	100
All results	RV >>>	22	100	Positive			
(1030) Antigen S		25			25	24	96
Sample 1		25			25	25	100
All results	RV >>>	25	100	Positive			
Sample 2		25			25	24	96
All results	RV >>>	24	96	Negative			
		1	4	Positive			
(1031) Antigen s		19			19	19	100
Sample 1		19			19	19	100
All results	RV >>>	19	100	Positive			
Sample 2		19			19	19	100
All results	RV >>>	19	100	Positive			
(1035) Antigen Le^a		19			19	19	100
Sample 1		19			19	19	100
All results	RV >>>	19	100	Negative			
Sample 2		19			19	19	100
All results	RV >>>	19	100	Negative			
(1036) Antigen Le^b		19			19	19	100
Sample 1		19			19	19	100
All results	RV >>>	19	100	Positive			
Sample 2		19			19	19	100
All results	RV >>>	19	100	Positive			
(1032) Antigen P1		21			21	21	100
Sample 1		21			21	21	100
All results	RV >>>	21	100	Positive			
Sample 2		21			21	21	100
All results	RV >>>	21	100	Positive			