

EQA round: PAT1/24 - Direct Antiglobulin Test

Deadline: 31.5.2024

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)		92			92	92	100	
Sample 1		92			92	92	100	
All results								
		>	2	2,2	Positive (1+)			
	RV	>>>	39	42	Positive (2+)			
		>	51	55	Positive (3+)			
Sample 2		92			92	92	100	
All results								
	RV	>>>	31	34	Positive (3+)			
		>	61	66	Positive (4+)			
(1002) Sensitization specificity anti-IgG		41			41	41	100	
Sample 1		41			41	41	100	
All results								
	RV	>>>	18	44	Positive (2+)			
		>	23	56	Positive (3+)			
Sample 2		41			41	41	100	
All results								
	RV	>>>	18	44	Positive (3+)			
		>	23	56	Positive (4+)			
(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	30	94	
Sample 1		32			32	30	94	
All results								
	RV	>>>	30	94	Negative			
			2	6,3	Positive (1+)			
Sample 2		32			32	32	100	
All results								
	RV	>>>	25	78	Negative			
	RV	>>>	5	16	Positive (1+)			
	RV	>>>	2	6,3	Positive (2+)			
(1006) Sensitization specificity anti-C3d		39			39	39	100	
Sample 1		39			39	39	100	
All results								
	RV	>>>	39	100	Negative			
Sample 2		39			39	39	100	
All results								
		>	1	2,6	Positive (1+)			
		>	13	33	Positive (2+)			
	RV	>>>	25	64	Positive (3+)			
(1008) Col. agglut: Quantif. IgG-DAT		23			23	23	100	
Sample 1		23			23	23	100	
All results								
		>	2	8,7	1:10			
	RV	>>>	21	91	1:30			
Sample 2		23			23	23	100	
All results								
	RV	>>>	18	78	1:100			
		>	5	22	1:300			
(1009) Col. agglut: Subclass IgG1 1:1		23			23	23	100	
Sample 1		23			23	23	100	
All results								
	RV	>>>	23	100	Negative			
Sample 2		23			23	23	100	
All results								
	RV	>>>	23	100	Negative			
(1010) Col. agglut: Subclass IgG1 1:100		23			23	23	100	
Sample 1		23			23	23	100	
All results								
	RV	>>>	23	100	Negative			
Sample 2		23			23	23	100	
All results								
	RV	>>>	23	100	Negative			
(1011) Col. agglut: Subclass IgG3 1:1		23			23	23	100	
Sample 1		23			23	23	100	
All results								
	RV	>>>	23	100	Negative			
Sample 2		23			23	23	100	
All results								
		>	1	4,3	Positive (2+)			
	RV	>>>	7	30	Positive (3+)			
		>	15	65	Positive (4+)			

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	AV	N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]	
(1012) Col. agglut: Subclass IgG3 1:100								
Sample 1		23			23	23	100	
All results	RV >>>	23	100	Negative	23	23	100	
Sample 2		23			23	23	100	
All results	RV >>>	1	4,3	Positive (1+)				
	RV >>>	18	78	Positive (2+)				
	RV >	4	17	Positive (3+)				
(1019) ABO blood group								
Sample 1		61			61	61	100	
All results	RV >>>	61	100	Blood group: 0	61	61	100	
Sample 2		61			61	61	100	
All results	RV >>>	61	100	Blood group: B				
(1020) Rh D antigen								
Sample 1		61			61	60	98	
All results	RV >>>	60	98	Positive (RhD+)				
		1	1,6	w/v (RhD weak/variant)				
Sample 2		61			61	60	98	
All results	RV >>>	60	98	Positive (RhD+)				
		1	1,6	w/v (RhD weak/variant)				
(1021) Antigen C								
Sample 1		50			50	50	100	
All results	RV >>>	50	100	Positive	50	50	100	
Sample 2		50			50	50	100	
All results	RV >>>	50	100	Positive				
(1022) Antigen c								
Sample 1		50			50	50	100	
All results	RV >>>	50	100	Positive				
Sample 2		50			50	50	100	
All results	RV >>>	50	100	Positive				
(1024) Antigen E								
Sample 1		51			51	51	100	
All results	RV >>>	51	100	Negative	51	51	100	
Sample 2		51			51	51	100	
All results	RV >>>	51	100	Negative				
(1025) Antigen e								
Sample 1		50			50	50	100	
All results	RV >>>	50	100	Positive				
Sample 2		50			50	50	100	
All results	RV >>>	50	100	Positive				
(1023) Antigen C^w								
Sample 1		43			43	43	100	
All results	RV >>>	43	100	Negative				
Sample 2		43			43	43	100	
All results	RV >>>	43	100	Negative				
(1026) Antigen K								
Sample 1		52			52	52	100	
All results	RV >>>	52	100	Negative	52	52	100	
Sample 2		52			52	52	100	
All results	RV >>>	52	100	Negative				
(1027) Antigen k								
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								
Sample 1		7			7	2	29	
All results	RV >>>	4	57	Negative	7	4	57	
		3	43	Positive				
Sample 2		7			7	3	43	
All results	RV >>>	1	14	Not specified				
	RV >>>	3	43	Negative				
	RV >>>	3	43	Positive				
(1040) Antigen Kp^b								
Sample 1		4			4	4	100	
All results	RV >>>	4	100	Positive	4	4	100	
Sample 2		4			4	4	100	
All results	RV >>>	4	100	Positive				

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	AV	N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
(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		26			26	26	100
Sample 1		26			26	26	100
All results	RV >>>	26	100	Positive			
Sample 2		26			26	26	100
All results	RV >>>	26	100	Positive			
(1029) Antigen N		24			24	22	92
Sample 1		24			24	24	100
All results	RV >>>	24	100	Positive			
Sample 2		24			24	22	92
All results	RV >>>	22	92	Negative			
		2	8,3	Positive			
(1030) Antigen S		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			
(1031) Antigen s		18			18	18	100
Sample 1		18			18	18	100
All results	RV >>>	18	100	Positive			
Sample 2		18			18	18	100
All results	RV >>>	18	100	Positive			
(1035) Antigen Le^a		20			20	17	85
Sample 1		20			20	18	90
All results		1	5	Not specified			
	RV >>>	18	90	Negative			
		1	5	Positive			
Sample 2		20			20	18	90
All results	RV >>>	18	90	Negative			
		2	10	Positive			
(1036) Antigen Le^b		19			19	18	95
Sample 1		19			19	18	95
All results		1	5,3	Not specified			
	RV >>>	18	95	Positive			
Sample 2		19			19	19	100
All results	RV >>>	19	100	Positive			
(1032) Antigen P1		20			20	18	90
Sample 1		20			20	18	90
All results	RV >>>	18	90	Negative			
		2	10	Positive			
Sample 2		20			20	20	100
All results	RV >>>	20	100	Positive			