

EQA round: IH4/24 - Blood Group Serology

Deadline: 15.11.2024

Setup: Slovakia

AV = assigned value	N _{tot} = total number of the results	N _{eva} = number of the results assessed
RV = reference value	N _{rel} = relative number of the results	N _{suc} = number of successful results
>>> ... expected result		S _{rel} = relative success
> ... acceptable result		
± ... result not assessed		

Test Sample Group	Frequency of the results				Success		
	AV	N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
Set 1 and 2							
(700) ABO blood group		34			34	34	100
Samples E1 and S1		34			34	34	100
All results	RV >>>	34	100	Blood group: A			
Samples E2 and S2		34			34	34	100
All results	RV >>>	34	100	Blood group: B			
(703) A subgroup		8			8	8	100
Samples E1 and S1		8			8	8	100
All results	RV >>>	8	100	A subgroup A2			
Samples E2 and S2		8			8	8	100
All results	RV >>>	8	100	Not specified			
(705) RhD antigen (blood-donor)		23			23	23	100
Samples E1 and S1		23			23	23	100
All results	RV >>>	23	100	Positive (RhD+)			
Samples E2 and S2		23			23	23	100
All results	RV >>>	23	100	Positive (RhD+)			
(709) RhD antigen (recipient/ pregnant/ newborn)		33			33	33	100
Samples E1 and S1		33			33	33	100
All results	RV >>>	33	100	Positive (RhD+)			
Samples E2 and S2		33			33	33	100
All results	RV >>>	33	100	Positive (RhD+)			
(715) Antigen C		23			23	23	100
Samples E1 and S1		23			23	23	100
All results	RV >>>	23	100	Negative			
Samples E2 and S2		23			23	23	100
All results	RV >>>	23	100	Positive			
(716) Antigen c		23			23	23	100
Samples E1 and S1		23			23	23	100
All results	RV >>>	23	100	Positive			
Samples E2 and S2		23			23	23	100
All results	RV >>>	23	100	Negative			
(718) Antigen E		24			24	24	100
Samples E1 and S1		24			24	24	100
All results	RV >>>	24	100	Positive			
Samples E2 and S2		24			24	24	100
All results	RV >>>	24	100	Negative			
(719) Antigen e		23			23	22	96
Samples E1 and S1		23			23	22	96
All results		1	4,3	Negative			
	RV >>>	22	96	Positive			
Samples E2 and S2		23			23	23	100
All results	RV >>>	23	100	Positive			
(717) Antigen C^w		13			13	13	100
Samples E1 and S1		13			13	13	100
All results	RV >>>	13	100	Negative			
Samples E2 and S2		13			13	13	100
All results	RV >>>	13	100	Negative			
(720) Antigen K		24			24	23	96
Samples E1 and S1		24			24	24	100
All results	RV >>>	24	100	Negative			
Samples E2 and S2		24			24	23	96
All results		1	4,2	Negative			
	RV >>>	23	96	Positive			
(721) Antigen k		5			5	5	100
Samples E1 and S1		5			5	5	100
All results	RV >>>	5	100	Positive			
Samples E2 and S2		5			5	5	100
All results	RV >>>	5	100	Positive			
(738) Antigen Kp^a		2			2	1	50
Samples E1 and S1		2			2	1	50
All results		1	50	Not specified			
	RV >>>	1	50	Negative			

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	AV	N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]	
Samples E2 and S2		2				2	2	100
All results	RV >>>	2	100	Negative				
(739) Antigen Kp^b		1				1	1	100
Samples E1 and S1		1				1	1	100
All results	RV >>>	1	100	Positive				
Samples E2 and S2		1				1	1	100
All results	RV >>>	1	100	Positive				
(729) Antigen Jk^a		8				8	8	100
Samples E1 and S1		8				8	8	100
All results	RV >>>	8	100	Negative				
Samples E2 and S2		8				8	8	100
All results	RV >>>	8	100	Negative				
(730) Antigen Jk^b		7				7	7	100
Samples E1 and S1		7				7	7	100
All results	RV >>>	7	100	Positive				
Samples E2 and S2		7				7	7	100
All results	RV >>>	7	100	Positive				
(727) Antigen Fy^a		7				7	7	100
Samples E1 and S1		7				7	7	100
All results	RV >>>	7	100	Negative				
Samples E2 and S2		7				7	7	100
All results	RV >>>	7	100	Positive				
(728) Antigen Fy^b		8				8	8	100
Samples E1 and S1		8				8	8	100
All results	RV >>>	8	100	Positive				
Samples E2 and S2		8				8	8	100
All results	RV >>>	8	100	Positive				
(722) Antigen M		8				8	7	88
Samples E1 and S1		8				8	8	100
All results	RV >>>	8	100	Negative				
Samples E2 and S2		8				8	7	88
All results	RV >>>	1	13	Negative				
		7	88	Positive				
(723) Antigen N		7				7	6	86
Samples E1 and S1		7				7	6	86
All results	RV >>>	1	14	Negative				
		6	86	Positive				
Samples E2 and S2		7				7	6	86
All results	RV >>>	1	14	Negative				
		6	86	Positive				
(724) Antigen S		6				6	6	100
Samples E1 and S1		6				6	6	100
All results	RV >>>	6	100	Negative				
Samples E2 and S2		6				6	6	100
All results	RV >>>	6	100	Negative				
(725) Antigen s		6				6	6	100
Samples E1 and S1		6				6	6	100
All results	RV >>>	6	100	Positive				
Samples E2 and S2		6				6	6	100
All results	RV >>>	6	100	Positive				
(733) Antigen Le^a		6				6	6	100
Samples E1 and S1		6				6	6	100
All results	RV >>>	6	100	Negative				
Samples E2 and S2		6				6	6	100
All results	RV >>>	6	100	Negative				
(734) Antigen Le^b		6				6	6	100
Samples E1 and S1		6				6	6	100
All results	RV >>>	6	100	Positive				
Samples E2 and S2		6				6	6	100
All results	RV >>>	6	100	Positive				
(731) Antigen Lu^a		4				4	3	75
Samples E1 and S1		4				4	3	75
All results	RV >>>	3	75	Negative				
		1	25	Positive				
Samples E2 and S2		4				4	4	100
All results	RV >>>	4	100	Negative				
(732) Antigen Lu^b		4				4	4	100
Samples E1 and S1		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} [%]	
Samples E2 and S2		4						
All results	RV >>>	4	100	Positive	4	4	100	
(726) Antigen P1		6			6	5	83	
Samples E1 and S1		6			6	5	83	
All results	RV >>>	5	83	Negative				
		1	17	Positive				
Samples E2 and S2		6			6	6	100	
All results	RV >>>	6	100	Negative				
(740) Antigen Wr^a		1			1	1	100	
Samples E1 and S1		1			1	1	100	
All results	RV >>>	1	100	Negative				
Samples E2 and S2		1			1	1	100	
All results	RV >>>	1	100	Negative				
(737) Direct Antiglobulin Test		33			33	33	100	
Samples E1 and S1		33			33	33	100	
All results	RV >>>	33	100	Negative				
Samples E2 and S2		33			33	33	100	
All results	RV >>>	33	100	Negative				
(741) Antierthrocyte antibody screening (IAT, blood donor)		23			23	23	100	
Samples E1 and S1		23			23	23	100	
All results	RV >>>	23	100	Positive				
Samples E2 and S2		23			23	23	100	
All results	RV >>>	23	100	Positive				
(743) Antierthrocyte antibody screening (IAT, recipient)		34			34	34	100	
Samples E1 and S1		34			34	34	100	
All results	RV >>>	34	100	Positive				
Samples E2 and S2		34			34	34	100	
All results	RV >>>	34	100	Positive				
(745) Antierthrocyte antibody screening (IAT, pregnant)		25			25	25	100	
Samples E1 and S1		25			25	25	100	
All results	RV >>>	25	100	Positive				
Samples E2 and S2		25			25	25	100	
All results	RV >>>	25	100	Positive				
(747) Antierthrocyte antibody screening (enzyme test)		12			12	12	100	
Samples E1 and S1		12			12	12	100	
All results		5	42	Negative				
	RV >>>	7	58	Positive				
Samples E2 and S2		12			12	12	100	
All results	RV >>>	12	100	Positive				
(750) Antierthrocyte antibody identification		7			7	5	71	
Samples E1 and S1		7			7	7	100	
All results	RV >>>	7	100	anti-K; anti-M				
Samples E2 and S2		7			7	5	71	
All results	RV >>>	5	71	anti-c; anti-Jka				
		1	14	anti-c; anti-Jka; anti-P1				
		1	14	anti-c; anti-Lea				
(752) Antibody titre, Sample 1: 1st antibody		5			0			
Samples E1 and S1		5			0			
All results		±	1	20 titre 8				
		±	3	60 titre 16				
		±	1	20 titre 32				
(753) Antibody titre, Sample 1: 2nd antibody		5			0			
Samples E1 and S1		5			0			
All results		±	1	20 titre 8				
		±	1	20 titre 16				
		±	2	40 titre 32				
		±	1	20 titre 64				
(756) Antibody titre, Sample 2: 1st antibody		5			0			
Samples E2 and S2		5			0			
All results		±	1	20 titre 4				
		±	1	20 titre 16				
		±	1	20 titre 32				
		±	2	40 titre 128				

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(757) Antibody titre, Sample 2: 2nd antibody		5			0		
Samples E2 and S2		5			0		
All results	±	1	20	titre 2			
	±	3	60	titre 4			
	±	1	20	titre 8			
Set 3							
(761) Compatibility test (segment K1)		27			27	27	100
Sample S1		27			27	27	100
All results	RV	>>>	27	100	Positive test		
Sample S2		27			27	27	100
All results	RV	>>>	27	100	Positive test		
(762) Serve transfusion product? (segment K1) (transfusion in non-emergency mode)		28			0		
Sample S1		28			0		
All results	±	28	100	Impossible, risk of haemolysis			
Sample S2		28			0		
All results	±	28	100	Impossible, risk of haemolysis			
(764) Compatibility test (segment K2)		27			27	27	100
Sample S1		27			27	27	100
All results	RV	>>>	27	100	Negative test		
Sample S2		27			27	27	100
All results	RV	>>>	27	100	Negative test		
(765) Serve transfusion product? (segment K2) (transfusion in non-emergency mode)		28			0		
Sample S1		28			0		
All results	±	16	57	Decision depends on results of other tests not performed in our laboratory			
	±	9	32	Only if more suitable products are not available			
	±	3	11	Possible			
Sample S2		28			0		
All results	±	17	61	Decision depends on results of other tests not performed in our laboratory			
	±	8	29	Only if more suitable products are not available			
	±	3	11	Possible			