Summary statistics - qualitative results

EQA round: IH2/24 - Blood Group Serology   Deadline: 31.5.2024

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	AV		N_{tot}	N_{rel} [%]	Result	N_{eva}	N_{suc}	S_{rel} [%]
Set 1 and 2								
(700) AB0 blood group			26			26	25	96
Samples E1 and S1			26			26	26	100
All results	RV	>>>	26	100	Blood group: A			
Samples E2 and S2			26			26	25	96
All results			1	3,8	Blood group: A			
	RV	>>>	25	96	Blood group: AB			
(703) A subgroup			7			7	5	71
Samples E1 and S1			7			7	7	100
All results	RV	>>>	7	100	A subgroup A1			
Samples E2 and S2			7			7	5	71
All results			1	14	Not specified			
	RV	>>>	5	71	A subgroup A1			
			1	14	A subgroup A2			
(705) Rh D antigen (blood-donor)			19			19	19	100
Samples E1 and S1			19			19	19	100
All results	RV	>>>	19	100	Negative (RhD-)			
Samples E2 and S2			19			19	19	100
All results	RV	>>>	19	100	Positive (RhD+)			
(709) Rh D antigen (recipient/ pregnant/ newborn)			25			25	25	100
Samples E1 and S1			25			25	25	100
All results	RV	>>>	25	100	Negative (RhD-)			
Samples E2 and S2			25			25	25	100
All results	RV	>>>	25	100	Positive (RhD+)			
(715) Antigen C			20			20	20	100
Samples E1 and S1			20			20	20	100
All results	RV	>>>	20	100	Positive			
Samples E2 and S2			20			20	20	100
All results	RV	>>>	20	100	Positive			
(716) Antigen c			20			20	20	100
Samples E1 and S1			20			20	20	100
All results	RV	>>>	20	100	Positive			
Samples E2 and S2			20			20	20	100
All results	RV	>>>	20	100	Negative			
(718) Antigen E			21			21	21	100
Samples E1 and S1			21			21	21	100
All results	RV	>>>	21	100	Negative			
Samples E2 and S2			21			21	21	100
All results	RV	>>>	21	100	Negative			
(719) Antigen e			20			20	20	100
Samples E1 and S1			20			20	20	100
All results	RV	>>>	20	100	Positive			
Samples E2 and S2			20			20	20	100
All results	RV	>>>	20	100	Positive			
(717) Antigen C^w			15			15	15	100
Samples E1 and S1			15			15	15	100
All results	RV	>>>	15	100	Negative			
Samples E2 and S2			15			15	15	100
All results	RV	>>>	15	100	Negative			
(720) Antigen K			21			21	21	100
Samples E1 and S1			21			21	21	100
All results	RV	>>>	21	100	Negative			
Samples E2 and S2			21			21	21	100
All results	RV	>>>	21	100	Negative			
(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	2	100
Samples E1 and S1			2			2	2	100
All results	RV	>>>	2	100	Negative			

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Test **Sample** Group	AV	N_{tot}	N_{rel} [%]	Frequency of the results 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		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			
(730) Antigen Jk^b		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	Negative			
(727) Antigen Fy^a		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	Negative			
(728) Antigen Fy^b		6			6	5	83
Samples E1 and S1		6			6	6	100
All results	RV >>>	6	100	Positive			
Samples E2 and S2		6			6	5	83
All results		1	17	Negative			
	RV >>>	5	83	Positive			
(722) Antigen M		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	Negative			
(723) Antigen N		6			6	4	67
Samples E1 and S1		6			6	6	100
All results	RV >>>	6	100	Negative			
Samples E2 and S2		6			6	4	67
All results		2	33	Negative			
	RV >>>	4	67	Positive			
(724) Antigen S		5			5	4	80
Samples E1 and S1		5			5	5	100
All results	RV >>>	5	100	Positive			
Samples E2 and S2		5			5	4	80
All results	RV >>>	4	80	Negative			
		1	20	Positive			
(725) Antigen s		6			6	5	83
Samples E1 and S1		6			6	6	100
All results	RV >>>	6	100	Negative			
Samples E2 and S2		6			6	5	83
All results		1	17	Negative			
	RV >>>	5	83	Positive			
(733) Antigen Le^a		4			4	4	100
Samples E1 and S1		4			4	4	100
All results	RV >>>	4	100	Negative			
Samples E2 and S2		4			4	4	100
All results	RV >>>	4	100	Positive			
(734) Antigen Le^b		4			4	4	100
Samples E1 and S1		4			4	4	100
All results	RV >>>	4	100	Positive			
Samples E2 and S2		4			4	4	100
All results	RV >>>	4	100	Negative			
(731) Antigen Lu^a		5			5	5	100
Samples E1 and S1		5			5	5	100
All results	RV >>>	5	100	Negative			
Samples E2 and S2		5			5	5	100
All results	RV >>>	5	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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Test Sample Group	AV		N_{tot}	N_{rel} [%]	Frequency of the results / Result	N_{eva}	N_{suc}	S_{rel} [%]
Samples E2 and S2			4			4	4	100
All results	RV	>>>	4	100	Positive			
(726) Antigen P1			5			5	4	80
Samples E1 and S1			5			5	5	100
All results	RV	>>>	5	100	Positive			
Samples E2 and S2			5			5	4	80
All results			1	20	Negative			
	RV	>>>	4	80	Positive			
(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 Coombs (antiglobulin) test			25			25	25	100
Samples E1 and S1			25			25	25	100
All results	RV	>>>	25	100	Negative			
Samples E2 and S2			25			25	25	100
All results	RV	>>>	25	100	Negative			
(741) Antibody screening (IAT, blood donor)			18			18	18	100
Samples E1 and S1			18			18	18	100
All results	RV	>>>	18	100	Positive			
Samples E2 and S2			18			18	18	100
All results	RV	>>>	18	100	Positive			
(743) Antibody screening (IAT, recipient)			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			
(745) Antibody screening (IAT, pregnant)			21			21	21	100
Samples E1 and S1			21			21	21	100
All results	RV	>>>	21	100	Positive			
Samples E2 and S2			21			21	21	100
All results	RV	>>>	21	100	Positive			
(747) Antibody screening (enzyme test)			9			9	8	89
Samples E1 and S1			9			9	8	89
All results			1	11	Not specified			
	RV	>>>	3	33	Negative			
	RV	>>>	5	56	Positive			
Samples E2 and S2			9			9	9	100
All results	RV	>>>	9	100	Negative			
(750) Antibody identification			6			6	6	100
Samples E1 and S1			6			6	6	100
All results	RV	>>>	6	100	anti-s			
Samples E2 and S2			6			6	6	100
All results	RV	>>>	6	100	anti-Fya			
(752) Antibody titre, Sample 1: 1st antibody			4			0		
Samples E1 and S1			4			0		
All results		±	1	25	titre 8			
		±	2	50	titre 16			
		±	1	25	titre 128			
(756) Antibody titre, Sample 2: 1st antibody			4			0		
Samples E2 and S2			4			0		
All results		±	1	25	titre 64			
		±	1	25	titre 128			
		±	2	50	titre 256			

Set 3

Test Sample Group	AV		N_{tot}	N_{rel} [%]	Frequency of the results / Result	N_{eva}	N_{suc}	S_{rel} [%]
(761) Crossmatch (segment K1)			23			23	23	100
Sample S1			23			23	23	100
All results	RV	>>>	23	100	Negative test			
Sample S2			23			23	23	100
All results	RV	>>>	23	100	Positive test			
(762) Serve transfusion product? (segment K1) (transfusion in non-emergency mode)			23			0		
Sample S1			23			0		
All results		±	12	52	Impossible, risk of haemolysis			
		±	8	35	Decision depends on results of other tests not performed in our laboratory			
		±	1	4,3	Only if more suitable products are not available			

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Setup: Slovakia

Test Sample Group	AV		N_{tot}	N_{rel} [%]	Frequency of the results Result	N_{eva}	N_{suc}	S_{rel} [%]
	±		2	8,7	Possible			
Sample S2			23			0		
All results	±		23	100	Impossible, risk of haemolysis			
(764) Crossmatch (segment K2)			23			23	23	100
Sample S1			23			23	23	100
All results	RV	>>>	23	100	Positive test			
Sample S2			23			23	23	100
All results	RV	>>>	23	100	Negative test			
(765) Serve transfusion product? (segment K2) **(transfusion in non-emergency mode)**			23			0		
Sample S1			23			0		
All results	±		23	100	Impossible, risk of haemolysis			
Sample S2			23			0		
All results	±		14	61	Decision depends on results of other tests not performed in our laboratory			
	±		7	30	Only if more suitable products are not available			
	±		2	8,7	Possible			