Summary statistics - qualitative results

EQA round: IH3/26 - Blood Group Serology

Deadline: 2.10.2026

Setup: Slovakia

AV = assigned value
RV = reference value
>>> ... expected result
> ... acceptable result
± ... result not assessed

N_{tot} = total number of the results
N_{rel} = relative number of the results

N_{eva} = number of the results assessed
N_{suc} = number of successful results
S_{rel} = relative success

Test / Sample / Group	AV		Frequency of the results N_{tot}	N_{rel} [%]	Result	Success N_{eva}	N_{suc}	S_{rel} [%]
Set 1 and 2								
(700) **AB0 blood group**			61			61	61	100
Samples E1 and S1			61			61	61	100
All results	RV	>>>	61	100	Blood group: 0			
Samples E2 and S2			61			61	61	100
All results	RV	>>>	61	100	Blood group: B			
(705) **RhD antigen (blood-donor)**			38			38	38	100
Samples E1 and S1			38			38	38	100
All results	RV	>>>	38	100	Negative (RhD-)			
Samples E2 and S2			38			38	38	100
All results	RV	>>>	38	100	Negative (RhD-)			
(709) **RhD antigen (recipient/ pregnant/ newborn)**			56			56	55	98
Samples E1 and S1			56			56	56	100
All results	RV	>>>	56	100	Negative (RhD-)			
Samples E2 and S2			56			56	55	98
All results	RV	>>>	55	98	Negative (RhD-)			
			1	1,8	w/v (RhD weak/variant)			
(715) **Antigen C**			35			35	35	100
Samples E1 and S1			35			35	35	100
All results	RV	>>>	35	100	Negative			
Samples E2 and S2			35			35	35	100
All results	RV	>>>	35	100	Negative			
(716) **Antigen c**			35			35	35	100
Samples E1 and S1			35			35	35	100
All results	RV	>>>	35	100	Positive			
Samples E2 and S2			35			35	35	100
All results	RV	>>>	35	100	Positive			
(718) **Antigen E**			36			36	36	100
Samples E1 and S1			36			36	36	100
All results	RV	>>>	36	100	Negative			
Samples E2 and S2			36			36	36	100
All results	RV	>>>	36	100	Negative			
(719) **Antigen e**			35			35	35	100
Samples E1 and S1			35			35	35	100
All results	RV	>>>	35	100	Positive			
Samples E2 and S2			35			35	35	100
All results	RV	>>>	35	100	Positive			
(717) **Antigen C^w**			30			30	30	100
Samples E1 and S1			30			30	30	100
All results	RV	>>>	30	100	Negative			
Samples E2 and S2			30			30	30	100
All results	RV	>>>	30	100	Negative			
(720) **Antigen K**			39			39	39	100
Samples E1 and S1			39			39	39	100
All results	RV	>>>	39	100	Negative			
Samples E2 and S2			39			39	39	100
All results	RV	>>>	39	100	Negative			
(721) **Antigen k**			11			11	10	91
Samples E1 and S1			11			11	10	91
All results			1	9,1	Not specified			
	RV	>>>	10	91	Positive			
Samples E2 and S2			11			11	11	100
All results	RV	>>>	11	100	Positive			
(738) **Antigen Kp^a**			10			10	9	90
Samples E1 and S1			10			10	9	90
All results			1	10	Not specified			
	RV	>>>	9	90	Negative			
Samples E2 and S2			10			10	10	100
All results	RV	>>>	10	100	Negative			
(739) **Antigen Kp^b**			8			8	7	88
Samples E1 and S1			8			8	7	88
All results			1	13	Not specified			
	RV	>>>	7	88	Positive			

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Test / Sample Group		AV	N_{tot}	N_{rel} [%]	Result	N_{eva}	N_{suc}	S_{rel} [%]
Samples E2 and S2			8			8	8	100
All results	RV	>>>	8	100	Positive			
(729) **Antigen Jk[a]**			17			17	17	100
Samples E1 and S1			17			17	17	100
All results	RV	>>>	17	100	Positive			
Samples E2 and S2			17			17	17	100
All results	RV	>>>	17	100	Negative			
(730) **Antigen Jk[b]**			17			17	17	100
Samples E1 and S1			17			17	17	100
All results	RV	>>>	17	100	Positive			
Samples E2 and S2			17			17	17	100
All results	RV	>>>	17	100	Positive			
(727) **Antigen Fy[a]**			18			18	18	100
Samples E1 and S1			18			18	18	100
All results	RV	>>>	18	100	Negative			
Samples E2 and S2			18			18	18	100
All results	RV	>>>	18	100	Positive			
(728) **Antigen Fy[b]**			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			
(722) **Antigen M**			17			17	17	100
Samples E1 and S1			17			17	17	100
All results	RV	>>>	17	100	Positive			
Samples E2 and S2			17			17	17	100
All results	RV	>>>	17	100	Positive			
(723) **Antigen N**			17			17	15	88
Samples E1 and S1			17			17	16	94
All results			1	5,9	Negative			
	RV	>>>	16	94	Positive			
Samples E2 and S2			17			17	16	94
All results	RV	>>>	16	94	Negative			
			1	5,9	Positive			
(724) **Antigen S**			18			18	18	100
Samples E1 and S1			18			18	18	100
All results	RV	>>>	18	100	Negative			
Samples E2 and S2			18			18	18	100
All results	RV	>>>	18	100	Negative			
(725) **Antigen s**			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			
(733) **Antigen Le[a]**			17			17	17	100
Samples E1 and S1			17			17	17	100
All results	RV	>>>	17	100	Negative			
Samples E2 and S2			17			17	17	100
All results	RV	>>>	17	100	Negative			
(734) **Antigen Le[b]**			17			17	17	100
Samples E1 and S1			17			17	17	100
All results	RV	>>>	17	100	Positive			
Samples E2 and S2			17			17	17	100
All results	RV	>>>	17	100	Negative			
(731) **Antigen Lu[a]**			15			15	13	87
Samples E1 and S1			15			15	13	87
All results	RV	>>>	13	87	Negative			
			2	13	Positive			
Samples E2 and S2			15			15	13	87
All results	RV	>>>	13	87	Negative			
			2	13	Positive			
(732) **Antigen Lu[b]**			15			15	15	100
Samples E1 and S1			15			15	15	100
All results	RV	>>>	15	100	Positive			
Samples E2 and S2			15			15	15	100
All results	RV	>>>	15	100	Positive			
(726) **Antigen P1**			13			13	11	85
Samples E1 and S1			13			13	13	100
All results	RV	>>>	13	100	Negative			

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Test / Sample / Group		AV	N_{tot}	N_{rel} [%]	Result	N_{eva}	N_{suc}	S_{rel} [%]
						Frequency of the results		**Success**
Samples E2 and S2			13			13	11	85
All results			1	7,7	Not specified			
			1	7,7	Negative			
	RV	>>>	11	85	Positive			
(740) **Antigen Wr[a]**			2			2	2	100
Samples E1 and S1			2			2	2	100
All results	RV	>>>	2	100	Negative			
Samples E2 and S2			2			2	2	100
All results	RV	>>>	2	100	Negative			
(737) **Direct Antiglobulin Test**			59			59	57	97
Samples E1 and S1			59			59	58	98
All results	RV	>>>	58	98	Negative			
			1	1,7	Positive			
Samples E2 and S2			59			59	58	98
All results	RV	>>>	58	98	Negative			
			1	1,7	Positive			
(741) **Antierythrocyte antibody screening (IAT, blood donor)**			33			33	33	100
Samples E1 and S1			33			33	33	100
All results	RV	>>>	33	100	Positive			
Samples E2 and S2			33			33	33	100
All results	RV	>>>	33	100	Positive			
(743) **Antierythrocyte antibody screening (IAT, recipient)**			60			60	60	100
Samples E1 and S1			60			60	60	100
All results	RV	>>>	60	100	Positive			
Samples E2 and S2			60			60	60	100
All results	RV	>>>	60	100	Positive			
(745) **Antierythrocyte antibody screening (IAT, pregnant)**			41			41	41	100
Samples E1 and S1			41			41	41	100
All results	RV	>>>	41	100	Positive			
Samples E2 and S2			41			41	41	100
All results	RV	>>>	41	100	Positive			
(747) **Antierythrocyte antibody screening (enzyme test)**			23			23	22	96
Samples E1 and S1			23			23	22	96
All results	RV	>>>	22	96	Negative			
			1	4,3	Positive			
Samples E2 and S2			23			23	23	100
All results		>	3	13	Negative			
	RV	>>>	20	87	Positive			
(750) **Antierythrocyte antibody identification**			15			15	15	100
Samples E1 and S1			15			15	15	100
All results	RV	>>>	15	100	anti-Fya			
Samples E2 and S2			15			15	15	100
All results		>	3	20	anti-S			
	RV	>>>	12	80	anti-S; anti-C			
(752) **Antibody titre, Sample 1: 1st antibody**			15			0		
Samples E1 and S1			15			0		
All results		±	1	6,7	titre 2			
		±	2	13	titre 4			
		±	9	60	titre 8			
		±	3	20	titre 16			
(756) **Antibody titre, Sample 2: 1st antibody**			15			0		
Samples E2 and S2			15			0		
All results		±	3	20	titre 2			
		±	5	33	titre 4			
		±	6	40	titre 8			
		±	1	6,7	titre 16			
(757) **Antibody titre, Sample 2: 2nd antibody**			4			0		
Samples E2 and S2			4			0		
All results		±	1	25	titre 0 (not measurable)			
		±	3	75	titre 1			
Set 3								
(761) **Compatibility test (segment K1)**			50			50	50	100
Sample S1			50			50	50	100
All results	RV	>>>	50	100	Positive test			

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Test / Sample / Group		AV	N_{tot}	N_{rel} [%]	Result	Success N_{eva}	Success N_{suc}	Success S_{rel} [%]
Sample S2			50			50	50	100
All results	RV	>>>	50	100	Negative test			
(762) **Serve transfusion product? (segment K1) (transfusion in non-emergency mode)**			49			0		
Sample S1			49			0		
All results		±	47	96	Impossible, risk of haemolysis			
		±	2	4,1	Decision depends on results of other tests not performed in our laboratory			
Sample S2			49			0		
All results		±	13	27	Impossible, risk of haemolysis			
		±	22	45	Decision depends on results of other tests not performed in our laboratory			
		±	8	16	Only if more suitable products are not available			
		±	6	12	Possible			
(764) **Compatibility test (segment K2)**			50			50	50	100
Sample S1			50			50	50	100
All results	RV	>>>	50	100	Positive test			
Sample S2			50			50	50	100
All results	RV	>>>	50	100	Negative test			
(765) **Serve transfusion product? (segment K2) (transfusion in non-emergency mode)**			50			0		
Sample S1			50			0		
All results		±	47	94	Impossible, risk of haemolysis			
		±	3	6	Decision depends on results of other tests not performed in our laboratory			
Sample S2			50			0		
All results		±	1	2	Impossible, risk of haemolysis			
		±	29	58	Decision depends on results of other tests not performed in our laboratory			
		±	10	20	Only if more suitable products are not available			
		±	10	20	Possible			