Summary statistics - qualitative results

EQA round: IH2/26 - Blood Group Serology

Deadline: 29.5.2026

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**			25			25	25	100
Samples E1 and S1			25			25	25	100
All results	RV	>>>	25	100	Blood group: A			
Samples E2 and S2			25			25	25	100
All results	RV	>>>	25	100	Blood group: A			
(703) **A subgroup**			5			5	5	100
Samples E1 and S1			5			5	5	100
All results	RV	>>>	5	100	A subgroup A2			
Samples E2 and S2			5			5	5	100
All results	RV	>>>	5	100	A subgroup A1			
(705) **RhD antigen (blood-donor)**			16			16	16	100
Samples E1 and S1			16			16	16	100
All results	RV	>>>	16	100	Positive (RhD+)			
Samples E2 and S2			16			16	16	100
All results	RV	>>>	16	100	Negative (RhD-)			
(709) **RhD antigen (recipient/ pregnant/ newborn)**			24			24	23	96
Samples E1 and S1			24			24	24	100
All results	RV	>>>	24	100	Positive (RhD+)			
Samples E2 and S2			24			24	23	96
All results			1	4,2	Not specified			
	RV	>>>	23	96	Negative (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	Negative			
(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	Positive			
(718) **Antigen E**			21			21	20	95
Samples E1 and S1			21			21	20	95
All results	RV	>>>	20	95	Negative			
			1	4,8	Positive			
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**			12			12	12	100
Samples E1 and S1			12			12	12	100
All results	RV	>>>	12	100	Negative			
Samples E2 and S2			12			12	12	100
All results	RV	>>>	12	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**			3			3	3	100
Samples E1 and S1			3			3	3	100
All results	RV	>>>	3	100	Negative			
Samples E2 and S2			3			3	3	100
All results	RV	>>>	3	100	Negative			

Summary statistics - qualitative results

EQA round: IH2/26 - Blood Group Serology

Deadline: 29.5.2026

Setup: Slovakia

Test / Sample / Group	AV		N_{tot}	N_{rel} [%]	Result	N_{eva}	N_{suc}	S_{rel} [%]
				Frequency of the results		**Success**		
(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}**			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	Negative			
(730) **Antigen Jk^{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	Positive			
(727) **Antigen Fy^{a}**			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			
(728) **Antigen Fy^{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	Positive			
(722) **Antigen M**			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	Positive			
(723) **Antigen N**			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	Positive			
(724) **Antigen S**			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			
(725) **Antigen s**			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			
(733) **Antigen Le^{a}**			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			
(734) **Antigen Le^{b}**			4			4	3	75
Samples E1 and S1			4			4	4	100
All results	RV	>>>	4	100	Negative			
Samples E2 and S2			4			4	3	75
All results			1	25	Negative			
	RV	>>>	3	75	Positive			
(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}**			3			3	3	100
Samples E1 and S1			3			3	3	100
All results	RV	>>>	3	100	Positive			
Samples E2 and S2			3			3	3	100
All results	RV	>>>	3	100	Positive			
(726) **Antigen P1**			4			4	4	100
Samples E1 and S1			4			4	4	100
All results	RV	>>>	4	100	Positive			

Summary statistics - qualitative results

EQA round: IH2/26 - Blood Group Serology

Deadline: 29.5.2026

Setup: Slovakia

Test / Sample / Group		AV	N_{tot}	N_{rel} [%]	Result	N_{eva}	N_{suc}	S_{rel} [%]
						Success		
Samples E2 and S2			4			4	4	100
All results	RV	>>>	4	100	Positive			
(737) **Direct Antiglobulin Test**			24			24	24	100
Samples E1 and S1			24			24	24	100
All results	RV	>>>	24	100	Negative			
Samples E2 and S2			24			24	24	100
All results	RV	>>>	24	100	Negative			
(741) **Antierythrocyte antibody screening (IAT, blood donor)**			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			
(743) **Antierythrocyte 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) **Antierythrocyte 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) **Antierythrocyte antibody screening (enzyme test)**			8			8	8	100
Samples E1 and S1			8			8	8	100
All results		>	5	63	Negative			
	RV	>>>	3	38	Positive			
Samples E2 and S2			8			8	8	100
All results	RV	>>>	8	100	Positive			
(750) **Antierythrocyte antibody identification**			6			6	6	100
Samples E1 and S1			6			6	6	100
All results	RV	>>>	6	100	anti-K; anti-Kpa			
Samples E2 and S2			6			6	6	100
All results		>	6	100	anti-D; anti-S			
(752) **Antibody titre, Sample 1: 1st antibody**			4			0		
Samples E1 and S1			4			0		
All results		±	1	25	titre 8			
		±	3	75	titre 16			
(753) **Antibody titre, Sample 1: 2nd antibody**			4			0		
Samples E1 and S1			4			0		
All results		±	1	25	titre 4			
		±	1	25	titre 8			
		±	1	25	titre 16			
		±	1	25	titre 32			
(756) **Antibody titre, Sample 2: 1st antibody**			4			0		
Samples E2 and S2			4			0		
All results		±	1	25	titre 2			
		±	3	75	titre 8			
(757) **Antibody titre, Sample 2: 2nd antibody**			4			0		
Samples E2 and S2			4			0		
All results		±	1	25	titre 1			
		±	2	50	titre 2			
		±	1	25	titre 4			
Set 3								
(761) **Compatibility test (segment K1)**			22			22	22	100
Sample S1			22			22	22	100
All results	RV	>>>	22	100	Negative test			
Sample S2			22			22	22	100
All results		>	10	45	Negative test			
	RV	>>>	12	55	Positive test			
(762) **Serve transfusion product? (segment K1) (transfusion in non-emergency mode)**			22			0		
Sample S1			22			0		

Summary statistics - qualitative results

EQA round: IH2/26 - Blood Group Serology

Deadline: 29.5.2026

Setup: Slovakia

Test / Sample / Group		AV	N_{tot}	N_{rel} [%]	Result	N_{eva}	N_{suc}	S_{rel} [%]
					Frequency of the results			**Success**
All results		±	14	64	Decision depends on results of other tests not performed in our laboratory			
		±	5	23	Only if more suitable products are not available			
		±	3	14	Possible			
Sample S2			22			0		
All results		±	13	59	Impossible, risk of haemolysis			
		±	7	32	Decision depends on results of other tests not performed in our laboratory			
		±	1	4,5	Only if more suitable products are not available			
		±	1	4,5	Possible			
(764) **Compatibility test (segment K2)**			22			22	22	100
Sample S1			22			22	22	100
All results	RV	>>>	22	100	Positive test			
Sample S2			22			22	22	100
All results	RV	>>>	22	100	Positive test			
(765) **Serve transfusion product? (segment K2) (transfusion in non-emergency mode)**			22			0		
Sample S1			22			0		
All results		±	22	100	Impossible, risk of haemolysis			
Sample S2			22			0		
All results		±	22	100	Impossible, risk of haemolysis			