Summary statistics - qualitative results

EQA round: IH2/26 - Blood Group Serology

Deadline: 29.5.2026

Setup: all data

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**			157			157	157	100
Samples E1 and S1			157			157	157	100
All results	RV	>>>	157	100	Blood group: A			
Samples E2 and S2			157			157	157	100
All results	RV	>>>	157	100	Blood group: A			
(703) **A subgroup**			41			41	41	100
Samples E1 and S1			41			41	41	100
All results	RV	>>>	41	100	A subgroup A2			
Samples E2 and S2			41			41	41	100
All results	RV	>>>	41	100	A subgroup A1			
(705) **RhD antigen (blood-donor)**			81			81	80	99
Samples E1 and S1			81			81	80	99
All results			1	1,2	Not specified			
	RV	>>>	80	99	Positive (RhD+)			
Samples E2 and S2			81			81	81	100
All results	RV	>>>	81	100	Negative (RhD-)			
(709) **RhD antigen (recipient/ pregnant/ newborn)**			149			149	148	99
Samples E1 and S1			149			149	149	100
All results	RV	>>>	149	100	Positive (RhD+)			
Samples E2 and S2			149			149	148	99
All results			1	0,7	Not specified			
	RV	>>>	148	99	Negative (RhD-)			
(715) **Antigen C**			84			84	84	100
Samples E1 and S1			84			84	84	100
All results	RV	>>>	84	100	Positive			
Samples E2 and S2			84			84	84	100
All results	RV	>>>	84	100	Negative			
(716) **Antigen c**			84			84	83	99
Samples E1 and S1			84			84	83	99
All results			1	1,2	Negative			
	RV	>>>	83	99	Positive			
Samples E2 and S2			84			84	84	100
All results	RV	>>>	84	100	Positive			
(718) **Antigen E**			85			85	84	99
Samples E1 and S1			85			85	84	99
All results	RV	>>>	84	99	Negative			
			1	1,2	Positive			
Samples E2 and S2			85			85	85	100
All results	RV	>>>	85	100	Negative			
(719) **Antigen e**			84			84	84	100
Samples E1 and S1			84			84	84	100
All results	RV	>>>	84	100	Positive			
Samples E2 and S2			84			84	84	100
All results	RV	>>>	84	100	Positive			
(717) **Antigen C^w**			71			71	71	100
Samples E1 and S1			71			71	71	100
All results	RV	>>>	71	100	Negative			
Samples E2 and S2			71			71	71	100
All results	RV	>>>	71	100	Negative			
(720) **Antigen K**			92			92	92	100
Samples E1 and S1			92			92	92	100
All results	RV	>>>	92	100	Negative			
Samples E2 and S2			92			92	92	100
All results	RV	>>>	92	100	Negative			
(721) **Antigen k**			47			47	47	100
Samples E1 and S1			47			47	47	100
All results	RV	>>>	47	100	Positive			
Samples E2 and S2			47			47	47	100
All results	RV	>>>	47	100	Positive			
(738) **Antigen Kp^a**			23			23	23	100
Samples E1 and S1			23			23	23	100
All results	RV	>>>	23	100	Negative			

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Samples E2 and S2			23			23	23	100
All results	RV	>>>	23	100	Negative			
(739) **Antigen Kp[b]**			12			12	12	100
Samples E1 and S1			12			12	12	100
All results	RV	>>>	12	100	Positive			
Samples E2 and S2			12			12	12	100
All results	RV	>>>	12	100	Positive			
(729) **Antigen Jk[a]**			44			44	44	100
Samples E1 and S1			44			44	44	100
All results	RV	>>>	44	100	Negative			
Samples E2 and S2			44			44	44	100
All results	RV	>>>	44	100	Negative			
(730) **Antigen Jk[b]**			44			44	44	100
Samples E1 and S1			44			44	44	100
All results	RV	>>>	44	100	Positive			
Samples E2 and S2			44			44	44	100
All results	RV	>>>	44	100	Positive			
(727) **Antigen Fy[a]**			43			43	43	100
Samples E1 and S1			43			43	43	100
All results	RV	>>>	43	100	Positive			
Samples E2 and S2			43			43	43	100
All results	RV	>>>	43	100	Negative			
(728) **Antigen Fy[b]**			43			43	43	100
Samples E1 and S1			43			43	43	100
All results	RV	>>>	43	100	Positive			
Samples E2 and S2			43			43	43	100
All results	RV	>>>	43	100	Positive			
(722) **Antigen M**			43			43	43	100
Samples E1 and S1			43			43	43	100
All results	RV	>>>	43	100	Positive			
Samples E2 and S2			43			43	43	100
All results	RV	>>>	43	100	Positive			
(723) **Antigen N**			39			39	39	100
Samples E1 and S1			39			39	39	100
All results	RV	>>>	39	100	Positive			
Samples E2 and S2			39			39	39	100
All results	RV	>>>	39	100	Positive			
(724) **Antigen S**			44			44	44	100
Samples E1 and S1			44			44	44	100
All results	RV	>>>	44	100	Positive			
Samples E2 and S2			44			44	44	100
All results	RV	>>>	44	100	Negative			
(725) **Antigen s**			43			43	43	100
Samples E1 and S1			43			43	43	100
All results	RV	>>>	43	100	Negative			
Samples E2 and S2			43			43	43	100
All results	RV	>>>	43	100	Positive			
(733) **Antigen Le[a]**			32			32	32	100
Samples E1 and S1			32			32	32	100
All results	RV	>>>	32	100	Positive			
Samples E2 and S2			32			32	32	100
All results	RV	>>>	32	100	Negative			
(734) **Antigen Le[b]**			31			31	29	94
Samples E1 and S1			31			31	31	100
All results	RV	>>>	31	100	Negative			
Samples E2 and S2			31			31	29	94
All results			2	6,5	Negative			
	RV	>>>	29	94	Positive			
(731) **Antigen Lu[a]**			26			26	26	100
Samples E1 and S1			26			26	26	100
All results	RV	>>>	26	100	Negative			
Samples E2 and S2			26			26	26	100
All results	RV	>>>	26	100	Negative			
(732) **Antigen Lu[b]**			22			22	22	100
Samples E1 and S1			22			22	22	100
All results	RV	>>>	22	100	Positive			
Samples E2 and S2			22			22	22	100
All results	RV	>>>	22	100	Positive			

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Test / Sample / Group	AV		N_{tot}	N_{rel} [%]	Result	N_{eva}	N_{suc}	S_{rel} [%]
				Frequency of the results			**Success**	
(726) **Antigen P1**			27			27	27	100
Samples E1 and S1			27			27	27	100
All results	RV	>>>	27	100	Positive			
Samples E2 and S2			27			27	27	100
All results	RV	>>>	27	100	Positive			
(740) **Antigen Wr[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			
(737) **Direct Antiglobulin Test**			129			129	129	100
Samples E1 and S1			129			129	129	100
All results	RV	>>>	129	100	Negative			
Samples E2 and S2			129			129	129	100
All results	RV	>>>	129	100	Negative			
(741) **Antierythrocyte antibody screening (IAT, blood donor)**			78			78	78	100
Samples E1 and S1			78			78	78	100
All results	RV	>>>	78	100	Positive			
Samples E2 and S2			78			78	78	100
All results	RV	>>>	78	100	Positive			
(743) **Antierythrocyte antibody screening (IAT, recipient)**			141			141	141	100
Samples E1 and S1			141			141	141	100
All results	RV	>>>	141	100	Positive			
Samples E2 and S2			141			141	141	100
All results	RV	>>>	141	100	Positive			
(745) **Antierythrocyte antibody screening (IAT, pregnant)**			117			117	117	100
Samples E1 and S1			117			117	117	100
All results	RV	>>>	117	100	Positive			
Samples E2 and S2			117			117	117	100
All results	RV	>>>	117	100	Positive			
(747) **Antierythrocyte antibody screening (enzyme test)**			99			99	99	100
Samples E1 and S1			99			99	99	100
All results		>	14	14	Negative			
	RV	>>>	85	86	Positive			
Samples E2 and S2			99			99	99	100
All results	RV	>>>	99	100	Positive			
(750) **Antierythrocyte antibody identification**			55			55	54	98
Samples E1 and S1			55			55	55	100
All results	RV	>>>	55	100	anti-K; anti-Kpa			
Samples E2 and S2			55			55	54	98
All results			1	1,8	anti-D; anti-Fya			
		>	51	93	anti-D; anti-S			
	RV	>>>	3	5,5	anti-D; anti-S; anti-Wra			
(752) **Antibody titre, Sample 1: 1st antibody**			37			0		
Samples E1 and S1			37			0		
All results		±	1	2,7	titre 2			
		±	11	30	titre 8			
		±	19	51	titre 16			
		±	6	16	titre 32			
(753) **Antibody titre, Sample 1: 2nd antibody**			35			0		
Samples E1 and S1			35			0		
All results		±	1	2,9	titre 4			
		±	14	40	titre 8			
		±	15	43	titre 16			
		±	5	14	titre 32			
(756) **Antibody titre, Sample 2: 1st antibody**			37			0		
Samples E2 and S2			37			0		
All results		±	4	11	titre 2			
		±	13	35	titre 4			
		±	16	43	titre 8			
		±	3	8,1	titre 16			
		±	1	2,7	titre 32			
(757) **Antibody titre, Sample 2: 2nd antibody**			36			0		
Samples E2 and S2			36			0		
All results		±	3	8,3	titre 0 (not measurable)			

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Test / Sample / Group		AV	N_{tot}	N_{rel} [%]	Result	N_{eva}	N_{suc}	S_{rel} [%]
		±	7	19	titre 1			
		±	16	44	titre 2			
		±	8	22	titre 4			
		±	2	5,6	titre 8			
(758) **Antibody titre, Sample 2: 3rd antibody**			3			0		
Samples E2 and S2			3			0		
All results		±	2	67	titre 4			
		±	1	33	titre 8			
Set 3								
(761) **Compatibility test (segment K1)**			128			128	128	100
Sample S1			128			128	128	100
All results	RV	>>>	128	100	Negative test			
Sample S2			128			128	128	100
All results		>	47	37	Negative test			
	RV	>>>	81	63	Positive test			
(762) **Serve transfusion product? (segment K1) (transfusion in non-emergency mode)**			128			0		
Sample S1			128			0		
All results		±	71	55	Decision depends on results of other tests not performed in our laboratory			
		±	21	16	Only if more suitable products are not available			
		±	36	28	Possible			
Sample S2			128			0		
All results		±	92	72	Impossible, risk of haemolysis			
		±	31	24	Decision depends on results of other tests not performed in our laboratory			
		±	2	1,6	Only if more suitable products are not available			
		±	3	2,3	Possible			
(764) **Compatibility test (segment K2)**			128			128	128	100
Sample S1			128			128	128	100
All results	RV	>>>	128	100	Positive test			
Sample S2			128			128	128	100
All results	RV	>>>	128	100	Positive test			
(765) **Serve transfusion product? (segment K2) (transfusion in non-emergency mode)**			128			0		
Sample S1			128			0		
All results		±	127	99	Impossible, risk of haemolysis			
		±	1	0,8	Decision depends on results of other tests not performed in our laboratory			
Sample S2			128			0		
All results		±	128	100	Impossible, risk of haemolysis			