Summary statistics - qualitative results

EQA round: IH2/26 - Blood Group Serology

Deadline: 29.5.2026

Setup: groups - M (measurement principle)

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		N_{tot}	N_{rel} [%]	Result	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
(1) Tube test	RV	>>>	40	25	Blood group: A			
(2) Microplate - aut.	RV	>>>	13	8,3	Blood group: A			
(3) Microplate - man.	RV	>>>	3	1,9	Blood group: A			
(7) Column agglutination - automat	RV	>>>	59	38	Blood group: A			
(9) Column agglutination - manual	RV	>>>	39	25	Blood group: A			
(10) Solid phase	RV	>>>	3	1,9	Blood group: A			
Samples E2 and S2			157			157	157	100
(1) Tube test	RV	>>>	40	25	Blood group: A			
(2) Microplate - aut.	RV	>>>	13	8,3	Blood group: A			
(3) Microplate - man.	RV	>>>	3	1,9	Blood group: A			
(7) Column agglutination - automat	RV	>>>	59	38	Blood group: A			
(9) Column agglutination - manual	RV	>>>	39	25	Blood group: A			
(10) Solid phase	RV	>>>	3	1,9	Blood group: A			
(703) **A subgroup**			41			41	41	100
Samples E1 and S1			41			41	41	100
(0) Not specified	RV	>>>	41	100	A subgroup A2			
Samples E2 and S2			41			41	41	100
(0) Not specified	RV	>>>	41	100	A subgroup A1			
(705) **RhD antigen (blood-donor)**			81			81	80	99
Samples E1 and S1			81			81	80	99
(0) Not specified			1	1,2	Not specified			
(1) Tube test	RV	>>>	21	26	Positive (RhD+)			
(2) Microplate - aut.	RV	>>>	14	17	Positive (RhD+)			
(3) Microplate - man.	RV	>>>	2	2,5	Positive (RhD+)			
(7) Column agglutination - automat	RV	>>>	26	32	Positive (RhD+)			
(9) Column agglutination - manual	RV	>>>	16	20	Positive (RhD+)			
(10) Solid phase	RV	>>>	1	1,2	Positive (RhD+)			
Samples E2 and S2			81			81	81	100
(0) Not specified	RV	>>>	1	1,2	Negative (RhD-)			
(1) Tube test	RV	>>>	21	26	Negative (RhD-)			
(2) Microplate - aut.	RV	>>>	14	17	Negative (RhD-)			
(3) Microplate - man.	RV	>>>	2	2,5	Negative (RhD-)			
(7) Column agglutination - automat	RV	>>>	26	32	Negative (RhD-)			
(9) Column agglutination - manual	RV	>>>	16	20	Negative (RhD-)			
(10) Solid phase	RV	>>>	1	1,2	Negative (RhD-)			
(709) **RhD antigen (recipient/ pregnant/ newborn)**			149			149	148	99
Samples E1 and S1			149			149	149	100
(1) Tube test	RV	>>>	42	28	Positive (RhD+)			
(2) Microplate - aut.	RV	>>>	10	6,7	Positive (RhD+)			
(3) Microplate - man.	RV	>>>	1	0,7	Positive (RhD+)			
(7) Column agglutination - automat	RV	>>>	55	37	Positive (RhD+)			
(9) Column agglutination - manual	RV	>>>	38	26	Positive (RhD+)			
(10) Solid phase	RV	>>>	3	2	Positive (RhD+)			
Samples E2 and S2			149			149	148	99
(1) Tube test	RV	>>>	42	28	Negative (RhD-)			
(2) Microplate - aut.	RV	>>>	10	6,7	Negative (RhD-)			
(3) Microplate - man.	RV	>>>	1	0,7	Negative (RhD-)			
(7) Column agglutination - automat			1	0,7	Not specified			
	RV	>>>	54	36	Negative (RhD-)			
(9) Column agglutination - manual	RV	>>>	38	26	Negative (RhD-)			
(10) Solid phase	RV	>>>	3	2	Negative (RhD-)			
(715) **Antigen C**			84			84	84	100
Samples E1 and S1			84			84	84	100
(1) Tube test	RV	>>>	8	9,5	Positive			
(2) Microplate - aut.	RV	>>>	9	11	Positive			
(7) Column agglutination - automat	RV	>>>	30	36	Positive			
(9) Column agglutination - manual	RV	>>>	34	40	Positive			
(10) Solid phase	RV	>>>	3	3,6	Positive			
Samples E2 and S2			84			84	84	100
(1) Tube test	RV	>>>	8	9,5	Negative			

Summary statistics - qualitative results

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Setup: groups - M (measurement principle)

Test / Sample / Group		AV	N_{tot}	N_{rel} [%]	Result	Success N_{eva}	Success N_{suc}	Success S_{rel} [%]
(2) Microplate - aut.	RV	>>>	9	11	Negative			
(7) Column agglutination - automat	RV	>>>	30	36	Negative			
(9) Column agglutination - manual	RV	>>>	34	40	Negative			
(10) Solid phase	RV	>>>	3	3,6	Negative			
(716) **Antigen c**			84			84	83	99
Samples E1 and S1			84			84	83	99
(1) Tube test	RV	>>>	8	9,5	Positive			
(2) Microplate - aut.	RV	>>>	9	11	Positive			
(7) Column agglutination - automat			1	1,2	Negative			
	RV	>>>	29	35	Positive			
(9) Column agglutination - manual	RV	>>>	34	40	Positive			
(10) Solid phase	RV	>>>	3	3,6	Positive			
Samples E2 and S2			84			84	84	100
(1) Tube test	RV	>>>	8	9,5	Positive			
(2) Microplate - aut.	RV	>>>	9	11	Positive			
(7) Column agglutination - automat	RV	>>>	30	36	Positive			
(9) Column agglutination - manual	RV	>>>	34	40	Positive			
(10) Solid phase	RV	>>>	3	3,6	Positive			
(718) **Antigen E**			85			85	84	99
Samples E1 and S1			85			85	84	99
(1) Tube test	RV	>>>	9	11	Negative			
(2) Microplate - aut.	RV	>>>	9	11	Negative			
(7) Column agglutination - automat	RV	>>>	29	34	Negative			
			1	1,2	Positive			
(9) Column agglutination - manual	RV	>>>	34	40	Negative			
(10) Solid phase	RV	>>>	3	3,5	Negative			
Samples E2 and S2			85			85	85	100
(1) Tube test	RV	>>>	9	11	Negative			
(2) Microplate - aut.	RV	>>>	9	11	Negative			
(7) Column agglutination - automat	RV	>>>	30	35	Negative			
(9) Column agglutination - manual	RV	>>>	34	40	Negative			
(10) Solid phase	RV	>>>	3	3,5	Negative			
(719) **Antigen e**			84			84	84	100
Samples E1 and S1			84			84	84	100
(1) Tube test	RV	>>>	8	9,5	Positive			
(2) Microplate - aut.	RV	>>>	9	11	Positive			
(7) Column agglutination - automat	RV	>>>	30	36	Positive			
(9) Column agglutination - manual	RV	>>>	34	40	Positive			
(10) Solid phase	RV	>>>	3	3,6	Positive			
Samples E2 and S2			84			84	84	100
(1) Tube test	RV	>>>	8	9,5	Positive			
(2) Microplate - aut.	RV	>>>	9	11	Positive			
(7) Column agglutination - automat	RV	>>>	30	36	Positive			
(9) Column agglutination - manual	RV	>>>	34	40	Positive			
(10) Solid phase	RV	>>>	3	3,6	Positive			
(717) **Antigen C^w**			71			71	71	100
Samples E1 and S1			71			71	71	100
(1) Tube test	RV	>>>	11	15	Negative			
(2) Microplate - aut.	RV	>>>	8	11	Negative			
(7) Column agglutination - automat	RV	>>>	24	34	Negative			
(9) Column agglutination - manual	RV	>>>	25	35	Negative			
(10) Solid phase	RV	>>>	3	4,2	Negative			
Samples E2 and S2			71			71	71	100
(1) Tube test	RV	>>>	11	15	Negative			
(2) Microplate - aut.	RV	>>>	8	11	Negative			
(7) Column agglutination - automat	RV	>>>	24	34	Negative			
(9) Column agglutination - manual	RV	>>>	25	35	Negative			
(10) Solid phase	RV	>>>	3	4,2	Negative			
(720) **Antigen K**			92			92	92	100
Samples E1 and S1			92			92	92	100
(1) Tube test	RV	>>>	8	8,7	Negative			
(2) Microplate - aut.	RV	>>>	9	9,8	Negative			
(7) Column agglutination - automat	RV	>>>	34	37	Negative			
(9) Column agglutination - manual	RV	>>>	38	41	Negative			
(10) Solid phase	RV	>>>	3	3,3	Negative			
Samples E2 and S2			92			92	92	100
(1) Tube test	RV	>>>	8	8,7	Negative			
(2) Microplate - aut.	RV	>>>	9	9,8	Negative			
(7) Column agglutination - automat	RV	>>>	34	37	Negative			

Summary statistics - qualitative results

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Setup: groups - M (measurement principle)

Test / Sample / Group		AV	N_{tot}	N_{rel} [%]	Result	Success N_{eva}	N_{suc}	S_{rel} [%]
(9) Column agglutination - manual	RV	>>>	38	41	Negative			
(10) Solid phase	RV	>>>	3	3,3	Negative			
(721) **Antigen k**			47			47	47	100
Samples E1 and S1			47			47	47	100
(1) Tube test	RV	>>>	23	49	Positive			
(7) Column agglutination - automat	RV	>>>	5	11	Positive			
(9) Column agglutination - manual	RV	>>>	16	34	Positive			
(10) Solid phase	RV	>>>	3	6,4	Positive			
Samples E2 and S2			47			47	47	100
(1) Tube test	RV	>>>	23	49	Positive			
(7) Column agglutination - automat	RV	>>>	5	11	Positive			
(9) Column agglutination - manual	RV	>>>	16	34	Positive			
(10) Solid phase	RV	>>>	3	6,4	Positive			
(738) **Antigen Kp[a]**			23			23	23	100
Samples E1 and S1			23			23	23	100
(1) Tube test	RV	>>>	6	26	Negative			
(2) Microplate - aut.	RV	>>>	1	4,3	Negative			
(3) Microplate - man.	RV	>>>	1	4,3	Negative			
(7) Column agglutination - automat	RV	>>>	2	8,7	Negative			
(9) Column agglutination - manual	RV	>>>	12	52	Negative			
(10) Solid phase	RV	>>>	1	4,3	Negative			
Samples E2 and S2			23			23	23	100
(1) Tube test	RV	>>>	6	26	Negative			
(2) Microplate - aut.	RV	>>>	1	4,3	Negative			
(3) Microplate - man.	RV	>>>	1	4,3	Negative			
(7) Column agglutination - automat	RV	>>>	2	8,7	Negative			
(9) Column agglutination - manual	RV	>>>	12	52	Negative			
(10) Solid phase	RV	>>>	1	4,3	Negative			
(739) **Antigen Kp[b]**			12			12	12	100
Samples E1 and S1			12			12	12	100
(1) Tube test	RV	>>>	2	17	Positive			
(2) Microplate - aut.	RV	>>>	1	8,3	Positive			
(7) Column agglutination - automat	RV	>>>	1	8,3	Positive			
(9) Column agglutination - manual	RV	>>>	7	58	Positive			
(10) Solid phase	RV	>>>	1	8,3	Positive			
Samples E2 and S2			12			12	12	100
(1) Tube test	RV	>>>	2	17	Positive			
(2) Microplate - aut.	RV	>>>	1	8,3	Positive			
(7) Column agglutination - automat	RV	>>>	1	8,3	Positive			
(9) Column agglutination - manual	RV	>>>	7	58	Positive			
(10) Solid phase	RV	>>>	1	8,3	Positive			
(729) **Antigen Jk[a]**			44			44	44	100
Samples E1 and S1			44			44	44	100
(1) Tube test	RV	>>>	17	39	Negative			
(2) Microplate - aut.	RV	>>>	4	9,1	Negative			
(7) Column agglutination - automat	RV	>>>	4	9,1	Negative			
(9) Column agglutination - manual	RV	>>>	19	43	Negative			
Samples E2 and S2			44			44	44	100
(1) Tube test	RV	>>>	17	39	Negative			
(2) Microplate - aut.	RV	>>>	4	9,1	Negative			
(7) Column agglutination - automat	RV	>>>	4	9,1	Negative			
(9) Column agglutination - manual	RV	>>>	19	43	Negative			
(730) **Antigen Jk[b]**			44			44	44	100
Samples E1 and S1			44			44	44	100
(1) Tube test	RV	>>>	17	39	Positive			
(2) Microplate - aut.	RV	>>>	4	9,1	Positive			
(7) Column agglutination - automat	RV	>>>	4	9,1	Positive			
(9) Column agglutination - manual	RV	>>>	19	43	Positive			
Samples E2 and S2			44			44	44	100
(1) Tube test	RV	>>>	17	39	Positive			
(2) Microplate - aut.	RV	>>>	4	9,1	Positive			
(7) Column agglutination - automat	RV	>>>	4	9,1	Positive			
(9) Column agglutination - manual	RV	>>>	19	43	Positive			
(727) **Antigen Fy[a]**			43			43	43	100
Samples E1 and S1			43			43	43	100
(1) Tube test	RV	>>>	13	30	Positive			
(2) Microplate - aut.	RV	>>>	1	2,3	Positive			
(7) Column agglutination - automat	RV	>>>	4	9,3	Positive			
(9) Column agglutination - manual	RV	>>>	23	53	Positive			

Summary statistics - qualitative results

EQA round: IH2/26 - Blood Group Serology

Deadline: 29.5.2026

Setup: groups - M (measurement principle)

Test / Sample / Group		AV	N_{tot}	N_{rel} [%]	Result	N_{eva}	N_{suc}	S_{rel} [%]
					Frequency of the results			**Success**
(10) Solid phase	RV	>>>	2	4,7	Positive			
Samples E2 and S2			43			43	43	100
(1) Tube test	RV	>>>	13	30	Negative			
(2) Microplate - aut.	RV	>>>	1	2,3	Negative			
(7) Column agglutination - automat	RV	>>>	4	9,3	Negative			
(9) Column agglutination - manual	RV	>>>	23	53	Negative			
(10) Solid phase	RV	>>>	2	4,7	Negative			
(728) **Antigen Fy[b]**			43			43	43	100
Samples E1 and S1			43			43	43	100
(1) Tube test	RV	>>>	13	30	Positive			
(2) Microplate - aut.	RV	>>>	4	9,3	Positive			
(7) Column agglutination - automat	RV	>>>	3	7	Positive			
(9) Column agglutination - manual	RV	>>>	23	53	Positive			
Samples E2 and S2			43			43	43	100
(1) Tube test	RV	>>>	13	30	Positive			
(2) Microplate - aut.	RV	>>>	4	9,3	Positive			
(7) Column agglutination - automat	RV	>>>	3	7	Positive			
(9) Column agglutination - manual	RV	>>>	23	53	Positive			
(722) **Antigen M**			43			43	43	100
Samples E1 and S1			43			43	43	100
(1) Tube test	RV	>>>	18	42	Positive			
(2) Microplate - aut.	RV	>>>	3	7	Positive			
(7) Column agglutination - automat	RV	>>>	4	9,3	Positive			
(9) Column agglutination - manual	RV	>>>	18	42	Positive			
Samples E2 and S2			43			43	43	100
(1) Tube test	RV	>>>	18	42	Positive			
(2) Microplate - aut.	RV	>>>	3	7	Positive			
(7) Column agglutination - automat	RV	>>>	4	9,3	Positive			
(9) Column agglutination - manual	RV	>>>	18	42	Positive			
(723) **Antigen N**			39			39	39	100
Samples E1 and S1			39			39	39	100
(1) Tube test	RV	>>>	14	36	Positive			
(2) Microplate - aut.	RV	>>>	2	5,1	Positive			
(7) Column agglutination - automat	RV	>>>	4	10	Positive			
(9) Column agglutination - manual	RV	>>>	19	49	Positive			
Samples E2 and S2			39			39	39	100
(1) Tube test	RV	>>>	14	36	Positive			
(2) Microplate - aut.	RV	>>>	2	5,1	Positive			
(7) Column agglutination - automat	RV	>>>	4	10	Positive			
(9) Column agglutination - manual	RV	>>>	19	49	Positive			
(724) **Antigen S**			44			44	44	100
Samples E1 and S1			44			44	44	100
(1) Tube test	RV	>>>	21	48	Positive			
(2) Microplate - aut.	RV	>>>	3	6,8	Positive			
(7) Column agglutination - automat	RV	>>>	4	9,1	Positive			
(9) Column agglutination - manual	RV	>>>	16	36	Positive			
Samples E2 and S2			44			44	44	100
(1) Tube test	RV	>>>	21	48	Negative			
(2) Microplate - aut.	RV	>>>	3	6,8	Negative			
(7) Column agglutination - automat	RV	>>>	4	9,1	Negative			
(9) Column agglutination - manual	RV	>>>	16	36	Negative			
(725) **Antigen s**			43			43	43	100
Samples E1 and S1			43			43	43	100
(1) Tube test	RV	>>>	20	47	Negative			
(2) Microplate - aut.	RV	>>>	3	7	Negative			
(7) Column agglutination - automat	RV	>>>	4	9,3	Negative			
(9) Column agglutination - manual	RV	>>>	16	37	Negative			
Samples E2 and S2			43			43	43	100
(1) Tube test	RV	>>>	20	47	Positive			
(2) Microplate - aut.	RV	>>>	3	7	Positive			
(7) Column agglutination - automat	RV	>>>	4	9,3	Positive			
(9) Column agglutination - manual	RV	>>>	16	37	Positive			
(733) **Antigen Le[a]**			32			32	32	100
Samples E1 and S1			32			32	32	100
(1) Tube test	RV	>>>	12	38	Positive			
(7) Column agglutination - automat	RV	>>>	4	13	Positive			
(9) Column agglutination - manual	RV	>>>	16	50	Positive			
Samples E2 and S2			32			32	32	100
(1) Tube test	RV	>>>	12	38	Negative			

Summary statistics - qualitative results

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Setup: groups - M (measurement principle)

Test / Sample / Group	AV		N_{tot}	N_{rel} [%]	Result	N_{eva}	N_{suc}	S_{rel} [%]
					Frequency of the results		**Success**	
(7) Column agglutination - automat	RV	>>>	4	13	Negative			
(9) Column agglutination - manual	RV	>>>	16	50	Negative			
(734) **Antigen Le[b]**			31			31	29	94
Samples E1 and S1			31			31	31	100
(1) Tube test	RV	>>>	11	35	Negative			
(7) Column agglutination - automat	RV	>>>	4	13	Negative			
(9) Column agglutination - manual	RV	>>>	16	52	Negative			
Samples E2 and S2			31			31	29	94
(1) Tube test			1	3,2	Negative			
	RV	>>>	10	32	Positive			
(7) Column agglutination - automat	RV	>>>	4	13	Positive			
(9) Column agglutination - manual			1	3,2	Negative			
	RV	>>>	15	48	Positive			
(731) **Antigen Lu[a]**			26			26	26	100
Samples E1 and S1			26			26	26	100
(1) Tube test	RV	>>>	5	19	Negative			
(7) Column agglutination - automat	RV	>>>	3	12	Negative			
(9) Column agglutination - manual	RV	>>>	18	69	Negative			
Samples E2 and S2			26			26	26	100
(1) Tube test	RV	>>>	5	19	Negative			
(7) Column agglutination - automat	RV	>>>	3	12	Negative			
(9) Column agglutination - manual	RV	>>>	18	69	Negative			
(732) **Antigen Lu[b]**			22			22	22	100
Samples E1 and S1			22			22	22	100
(1) Tube test	RV	>>>	5	23	Positive			
(7) Column agglutination - automat	RV	>>>	2	9,1	Positive			
(9) Column agglutination - manual	RV	>>>	15	68	Positive			
Samples E2 and S2			22			22	22	100
(1) Tube test	RV	>>>	5	23	Positive			
(7) Column agglutination - automat	RV	>>>	2	9,1	Positive			
(9) Column agglutination - manual	RV	>>>	15	68	Positive			
(726) **Antigen P1**			27			27	27	100
Samples E1 and S1			27			27	27	100
(1) Tube test	RV	>>>	16	59	Positive			
(2) Microplate - aut.	RV	>>>	1	3,7	Positive			
(7) Column agglutination - automat	RV	>>>	2	7,4	Positive			
(9) Column agglutination - manual	RV	>>>	8	30	Positive			
Samples E2 and S2			27			27	27	100
(1) Tube test	RV	>>>	16	59	Positive			
(2) Microplate - aut.	RV	>>>	1	3,7	Positive			
(7) Column agglutination - automat	RV	>>>	2	7,4	Positive			
(9) Column agglutination - manual	RV	>>>	8	30	Positive			
(740) **Antigen Wr[a]**			6			6	6	100
Samples E1 and S1			6			6	6	100
(1) Tube test	RV	>>>	4	67	Negative			
(9) Column agglutination - manual	RV	>>>	2	33	Negative			
Samples E2 and S2			6			6	6	100
(1) Tube test	RV	>>>	4	67	Negative			
(9) Column agglutination - manual	RV	>>>	2	33	Negative			
(737) **Direct Antiglobulin Test**			129			129	129	100
Samples E1 and S1			129			129	129	100
(1) Tube test: IAT	RV	>>>	3	2,3	Negative			
(3) Column agglut.: IAT - automat	RV	>>>	39	30	Negative			
(5) Solid phase	RV	>>>	1	0,8	Negative			
(6) Microplate: IAT	RV	>>>	1	0,8	Negative			
(8) Column agglut.: IAT - manual	RV	>>>	83	64	Negative			
(9) Column agglut.: enzyme - manual	RV	>>>	2	1,6	Negative			
Samples E2 and S2			129			129	129	100
(1) Tube test: IAT	RV	>>>	3	2,3	Negative			
(3) Column agglut.: IAT - automat	RV	>>>	39	30	Negative			
(5) Solid phase	RV	>>>	1	0,8	Negative			
(6) Microplate: IAT	RV	>>>	1	0,8	Negative			
(8) Column agglut.: IAT - manual	RV	>>>	83	64	Negative			
(9) Column agglut.: enzyme - manual	RV	>>>	2	1,6	Negative			
(741) **Antierythrocyte antibody screening (IAT, blood donor)**			78			78	78	100
Samples E1 and S1			78			78	78	100
(1) Tube test: IAT	RV	>>>	1	1,3	Positive			
(3) Column agglut.: IAT - automat	RV	>>>	25	32	Positive			

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Setup: groups - M (measurement principle)

Test / Sample / Group		AV	N_{tot}	N_{rel} [%]	Result	N_{eva}	N_{suc}	S_{rel} [%]
					Frequency of the results			**Success**
(5) Solid phase	RV	>>>	15	19	Positive			
(6) Microplate: IAT	RV	>>>	1	1,3	Positive			
(8) Column agglut.: IAT - manual	RV	>>>	36	46	Positive			
Samples E2 and S2			78			78	78	100
(1) Tube test: IAT	RV	>>>	1	1,3	Positive			
(3) Column agglut.: IAT - automat	RV	>>>	25	32	Positive			
(5) Solid phase	RV	>>>	15	19	Positive			
(6) Microplate: IAT	RV	>>>	1	1,3	Positive			
(8) Column agglut.: IAT - manual	RV	>>>	36	46	Positive			
(743) **Antierythrocyte antibody screening (IAT, recipient)**			141			141	141	100
Samples E1 and S1			141			141	141	100
(1) Tube test: IAT	RV	>>>	1	0,7	Positive			
(3) Column agglut.: IAT - automat	RV	>>>	50	35	Positive			
(5) Solid phase	RV	>>>	7	5	Positive			
(8) Column agglut.: IAT - manual	RV	>>>	83	59	Positive			
Samples E2 and S2			141			141	141	100
(1) Tube test: IAT	RV	>>>	1	0,7	Positive			
(3) Column agglut.: IAT - automat	RV	>>>	50	35	Positive			
(5) Solid phase	RV	>>>	7	5	Positive			
(8) Column agglut.: IAT - manual	RV	>>>	83	59	Positive			
(745) **Antierythrocyte antibody screening (IAT, pregnant)**			117			117	117	100
Samples E1 and S1			117			117	117	100
(1) Tube test: IAT	RV	>>>	2	1,7	Positive			
(3) Column agglut.: IAT - automat	RV	>>>	45	38	Positive			
(5) Solid phase	RV	>>>	7	6	Positive			
(8) Column agglut.: IAT - manual	RV	>>>	63	54	Positive			
Samples E2 and S2			117			117	117	100
(1) Tube test: IAT	RV	>>>	2	1,7	Positive			
(3) Column agglut.: IAT - automat	RV	>>>	45	38	Positive			
(5) Solid phase	RV	>>>	7	6	Positive			
(8) Column agglut.: IAT - manual	RV	>>>	63	54	Positive			
(747) **Antierythrocyte antibody screening (enzyme test)**			99			99	99	100
Samples E1 and S1			99			99	99	100
(2) Tube test: enzyme	RV	>>>	1	1	Positive			
(3) Column agglut.: IAT - automat	RV	>>>	1	1	Positive			
(4) Column agglut.: enzyme - automat		>	1	1	Negative			
	RV	>>>	33	33	Positive			
(8) Column agglut.: IAT - manual		>	2	2	Negative			
	RV	>>>	1	1	Positive			
(9) Column agglut.: enzyme - manual		>	11	11	Negative			
	RV	>>>	49	49	Positive			
Samples E2 and S2			99			99	99	100
(2) Tube test: enzyme	RV	>>>	1	1	Positive			
(3) Column agglut.: IAT - automat	RV	>>>	1	1	Positive			
(4) Column agglut.: enzyme - automat	RV	>>>	34	34	Positive			
(8) Column agglut.: IAT - manual	RV	>>>	3	3	Positive			
(9) Column agglut.: enzyme - manual	RV	>>>	60	61	Positive			
(750) **Antierythrocyte antibody identification**			55			55	54	98
Samples E1 and S1			55			55	55	100
(0) Not specified	RV	>>>	55	100	anti-K; anti-Kpa			
Samples E2 and S2			55			55	54	98
(0) Not specified			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		
(1) Tube + homozyg. expression		±	2	5,4	titre 16			
(2) Tube + heterozyg. expression		±	1	2,7	titre 2			
		±	1	2,7	titre 8			
		±	2	5,4	titre 16			
(3) Column agglut.+ homozyg. expres.		±	1	2,7	titre 16			
(4) Column agglut.+ heterozyg. expres.		±	9	24	titre 8			
		±	14	38	titre 16			
		±	6	16	titre 32			
(99) Another measurement principle		±	1	2,7	titre 8			

Summary statistics - qualitative results

EQA round: IH2/26 - Blood Group Serology

Deadline: 29.5.2026

Setup: groups - M (measurement principle)

Test / Sample / Group	AV	N_{tot}	N_{rel} [%]	Result	Success N_{eva}	Success N_{suc}	Success S_{rel} [%]
(753) **Antibody titre, Sample 1: 2nd antibody**		35			0		
Samples E1 and S1		35			0		
(1) Tube + homozyg. expression	±	1	2,9	titre 16			
(2) Tube + heterozyg. expression	±	1	2,9	titre 4			
	±	1	2,9	titre 8			
	±	1	2,9	titre 16			
	±	1	2,9	titre 32			
(3) Column agglut.+ homozyg. expres.	±	1	2,9	titre 8			
	±	2	5,7	titre 16			
(4) Column agglut.+ heterozyg. expres.	±	12	34	titre 8			
	±	10	29	titre 16			
	±	4	11	titre 32			
(99) Another measurement principle	±	1	2,9	titre 16			
(756) **Antibody titre, Sample 2: 1st antibody**		37			0		
Samples E2 and S2		37			0		
(1) Tube + homozyg. expression	±	2	5,4	titre 8			
(2) Tube + heterozyg. expression	±	3	8,1	titre 8			
(3) Column agglut.+ homozyg. expres.	±	3	8,1	titre 2			
	±	1	2,7	titre 4			
	±	6	16	titre 8			
(4) Column agglut.+ heterozyg. expres.	±	1	2,7	titre 2			
	±	10	27	titre 4			
	±	5	14	titre 8			
	±	3	8,1	titre 16			
	±	1	2,7	titre 32			
(99) Another measurement principle	±	2	5,4	titre 4			
(757) **Antibody titre, Sample 2: 2nd antibody**		36			0		
Samples E2 and S2		36			0		
(1) Tube + homozyg. expression	±	2	5,6	titre 2			
(2) Tube + heterozyg. expression	±	1	2,8	titre 2			
	±	1	2,8	titre 4			
(3) Column agglut.+ homozyg. expres.	±	1	2,8	titre 0 (not measurable)			
	±	1	2,8	titre 1			
	±	8	22	titre 2			
	±	4	11	titre 4			
	±	1	2,8	titre 8			
(4) Column agglut.+ heterozyg. expres.	±	1	2,8	titre 0 (not measurable)			
	±	6	17	titre 1			
	±	5	14	titre 2			
	±	3	8,3	titre 4			
	±	1	2,8	titre 8			
(99) Another measurement principle	±	1	2,8	titre 0 (not measurable)			
(758) **Antibody titre, Sample 2: 3rd antibody**		3			0		
Samples E2 and S2		3			0		
(2) Tube + heterozyg. expression	±	1	33	titre 8			
(4) Column agglut.+ heterozyg. expres.	±	2	67	titre 4			

Set 3

Test / Sample / Group	RV	AV	N_{tot}	N_{rel} [%]	Result	Success N_{eva}	Success N_{suc}	Success S_{rel} [%]
(761) **Compatibility test (segment K1)**			128			128	128	100
Sample S1			128			128	128	100
(1) Tube test: IAT	RV	>>>	1	0,8	Negative test			
(3) Column agglut.: IAT - automat	RV	>>>	38	30	Negative test			
(5) Solid phase	RV	>>>	4	3,1	Negative test			
(8) Column agglut.: IAT - manual	RV	>>>	83	65	Negative test			
(9) Column agglut.: enzyme - manual	RV	>>>	1	0,8	Negative test			
(99) Another measurement principle	RV	>>>	1	0,8	Negative test			
Sample S2			128			128	128	100
(1) Tube test: IAT	RV	>>>	1	0,8	Positive test			
(3) Column agglut.: IAT - automat		>	6	4,7	Negative test			
	RV	>>>	32	25	Positive test			
(5) Solid phase	RV	>>>	4	3,1	Positive test			
(8) Column agglut.: IAT - manual		>	41	32	Negative test			
	RV	>>>	42	33	Positive test			
(9) Column agglut.: enzyme - manual	RV	>>>	1	0,8	Positive test			
(99) Another measurement principle	RV	>>>	1	0,8	Positive test			

Summary statistics - qualitative results

EQA round: IH2/26 - Blood Group Serology

Deadline: 29.5.2026

Setup: groups - M (measurement principle)

Test / Sample / Group		AV	N_{tot}	N_{rel} [%]	Result	Success N_{eva}	Success N_{suc}	Success S_{rel} [%]
(762) **Serve transfusion product? (segment K1) (transfusion in non-emergency mode)**			128			0		
Sample S1			128			0		
(0) Not specified		±	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		
(0) Not specified		±	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
(1) Tube test: IAT	RV	>>>	1	0,8	Positive test			
(3) Column agglut.: IAT - automat	RV	>>>	38	30	Positive test			
(5) Solid phase	RV	>>>	4	3,1	Positive test			
(8) Column agglut.: IAT - manual	RV	>>>	83	65	Positive test			
(9) Column agglut.: enzyme - manual	RV	>>>	1	0,8	Positive test			
(99) Another measurement principle	RV	>>>	1	0,8	Positive test			
Sample S2			128			128	128	100
(1) Tube test: IAT	RV	>>>	1	0,8	Positive test			
(3) Column agglut.: IAT - automat	RV	>>>	38	30	Positive test			
(5) Solid phase	RV	>>>	4	3,1	Positive test			
(8) Column agglut.: IAT - manual	RV	>>>	83	65	Positive test			
(9) Column agglut.: enzyme - manual	RV	>>>	1	0,8	Positive test			
(99) Another measurement principle	RV	>>>	1	0,8	Positive test			
(765) **Serve transfusion product? (segment K2) (transfusion in non-emergency mode)**			128			0		
Sample S1			128			0		
(0) Not specified		±	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		
(0) Not specified		±	128	100	Impossible, risk of haemolysis			