Summary statistics - qualitative results

EQA round: IH2/26 - Blood Group Serology

Deadline: 29.5.2026

Setup: groups - R (manufacturer of kit)

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
(6) APR	RV	>>>	1	0,6	Blood group: A			
(14) Bio-Rad	RV	>>>	51	32	Blood group: A			
(40) Ortho Clinical Diagnostics	RV	>>>	1	0,6	Blood group: A			
(64) Exbio Olomouc	RV	>>>	7	4,5	Blood group: A			
(80) DiaMed	RV	>>>	10	6,4	Blood group: A			
(159) Grifols	RV	>>>	48	31	Blood group: A			
(172) Immucor	RV	>>>	25	16	Blood group: A			
(173) Sanguin	RV	>>>	5	3,2	Blood group: A			
(174) IVT Imuno	RV	>>>	4	2,5	Blood group: A			
(203) ANTITOXIN	RV	>>>	1	0,6	Blood group: A			
(999) another manufacturer	RV	>>>	4	2,5	Blood group: A			
Samples E2 and S2			157			157	157	100
(6) APR	RV	>>>	1	0,6	Blood group: A			
(14) Bio-Rad	RV	>>>	51	32	Blood group: A			
(40) Ortho Clinical Diagnostics	RV	>>>	1	0,6	Blood group: A			
(64) Exbio Olomouc	RV	>>>	7	4,5	Blood group: A			
(80) DiaMed	RV	>>>	10	6,4	Blood group: A			
(159) Grifols	RV	>>>	48	31	Blood group: A			
(172) Immucor	RV	>>>	25	16	Blood group: A			
(173) Sanguin	RV	>>>	5	3,2	Blood group: A			
(174) IVT Imuno	RV	>>>	4	2,5	Blood group: A			
(203) ANTITOXIN	RV	>>>	1	0,6	Blood group: A			
(999) another manufacturer	RV	>>>	4	2,5	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			
(6) APR	RV	>>>	1	1,2	Positive (RhD+)			
(14) Bio-Rad	RV	>>>	24	30	Positive (RhD+)			
(38) Werfen (IL)	RV	>>>	2	2,5	Positive (RhD+)			
(64) Exbio Olomouc	RV	>>>	3	3,7	Positive (RhD+)			
(80) DiaMed	RV	>>>	2	2,5	Positive (RhD+)			
(159) Grifols	RV	>>>	20	25	Positive (RhD+)			
(172) Immucor	RV	>>>	20	25	Positive (RhD+)			
(173) Sanguin	RV	>>>	1	1,2	Positive (RhD+)			
(174) IVT Imuno	RV	>>>	3	3,7	Positive (RhD+)			
(203) ANTITOXIN	RV	>>>	1	1,2	Positive (RhD+)			
(999) another manufacturer	RV	>>>	3	3,7	Positive (RhD+)			
Samples E2 and S2			81			81	81	100
(0) not specified	RV	>>>	1	1,2	Negative (RhD-)			
(6) APR	RV	>>>	1	1,2	Negative (RhD-)			
(14) Bio-Rad	RV	>>>	24	30	Negative (RhD-)			
(38) Werfen (IL)	RV	>>>	2	2,5	Negative (RhD-)			
(64) Exbio Olomouc	RV	>>>	3	3,7	Negative (RhD-)			
(80) DiaMed	RV	>>>	2	2,5	Negative (RhD-)			
(159) Grifols	RV	>>>	20	25	Negative (RhD-)			
(172) Immucor	RV	>>>	20	25	Negative (RhD-)			
(173) Sanguin	RV	>>>	1	1,2	Negative (RhD-)			
(174) IVT Imuno	RV	>>>	3	3,7	Negative (RhD-)			
(203) ANTITOXIN	RV	>>>	1	1,2	Negative (RhD-)			
(999) another manufacturer	RV	>>>	3	3,7	Negative (RhD-)			
(709) **RhD antigen (recipient/ pregnant/ newborn)**			149			149	148	99
Samples E1 and S1			149			149	149	100
(6) APR	RV	>>>	1	0,7	Positive (RhD+)			
(14) Bio-Rad	RV	>>>	49	33	Positive (RhD+)			
(40) Ortho Clinical Diagnostics	RV	>>>	1	0,7	Positive (RhD+)			

Summary statistics - qualitative results

EQA round: IH2/26 - Blood Group Serology

Deadline: 29.5.2026

Setup: groups - R (manufacturer of kit)

Test / Sample / Group		AV	N_{tot}	N_{rel} [%]	Result	N_{eva}	N_{suc}	S_{rel} [%]
					Frequency of the results	**Success**		
(50) Merck	RV	>>>	1	0,7	Positive (RhD+)			
(64) Exbio Olomouc	RV	>>>	8	5,4	Positive (RhD+)			
(80) DiaMed	RV	>>>	8	5,4	Positive (RhD+)			
(159) Grifols	RV	>>>	46	31	Positive (RhD+)			
(171) Diagast	RV	>>>	1	0,7	Positive (RhD+)			
(172) Immucor	RV	>>>	23	15	Positive (RhD+)			
(173) Sanguin	RV	>>>	3	2	Positive (RhD+)			
(174) IVT Imuno	RV	>>>	4	2,7	Positive (RhD+)			
(203) ANTITOXIN	RV	>>>	1	0,7	Positive (RhD+)			
(999) another manufacturer	RV	>>>	3	2	Positive (RhD+)			
Samples E2 and S2			149			149	148	99
(6) APR	RV	>>>	1	0,7	Negative (RhD-)			
(14) Bio-Rad	RV	>>>	49	33	Negative (RhD-)			
(40) Ortho Clinical Diagnostics	RV	>>>	1	0,7	Negative (RhD-)			
(50) Merck	RV	>>>	1	0,7	Negative (RhD-)			
(64) Exbio Olomouc	RV	>>>	8	5,4	Negative (RhD-)			
(80) DiaMed	RV	>>>	8	5,4	Negative (RhD-)			
(159) Grifols			1	0,7	Not specified			
	RV	>>>	45	30	Negative (RhD-)			
(171) Diagast	RV	>>>	1	0,7	Negative (RhD-)			
(172) Immucor	RV	>>>	23	15	Negative (RhD-)			
(173) Sanguin	RV	>>>	3	2	Negative (RhD-)			
(174) IVT Imuno	RV	>>>	4	2,7	Negative (RhD-)			
(203) ANTITOXIN	RV	>>>	1	0,7	Negative (RhD-)			
(999) another manufacturer	RV	>>>	3	2	Negative (RhD-)			
(715) **Antigen C**			84			84	84	100
Samples E1 and S1			84			84	84	100
(6) APR	RV	>>>	1	1,2	Positive			
(14) Bio-Rad	RV	>>>	32	38	Positive			
(64) Exbio Olomouc	RV	>>>	1	1,2	Positive			
(80) DiaMed	RV	>>>	9	11	Positive			
(159) Grifols	RV	>>>	23	27	Positive			
(172) Immucor	RV	>>>	13	15	Positive			
(173) Sanguin	RV	>>>	3	3,6	Positive			
(174) IVT Imuno	RV	>>>	1	1,2	Positive			
(203) ANTITOXIN	RV	>>>	1	1,2	Positive			
Samples E2 and S2			84			84	84	100
(6) APR	RV	>>>	1	1,2	Negative			
(14) Bio-Rad	RV	>>>	32	38	Negative			
(64) Exbio Olomouc	RV	>>>	1	1,2	Negative			
(80) DiaMed	RV	>>>	9	11	Negative			
(159) Grifols	RV	>>>	23	27	Negative			
(172) Immucor	RV	>>>	13	15	Negative			
(173) Sanguin	RV	>>>	3	3,6	Negative			
(174) IVT Imuno	RV	>>>	1	1,2	Negative			
(203) ANTITOXIN	RV	>>>	1	1,2	Negative			
(716) **Antigen c**			84			84	83	99
Samples E1 and S1			84			84	83	99
(6) APR	RV	>>>	1	1,2	Positive			
(14) Bio-Rad			1	1,2	Negative			
	RV	>>>	31	37	Positive			
(64) Exbio Olomouc	RV	>>>	1	1,2	Positive			
(80) DiaMed	RV	>>>	9	11	Positive			
(159) Grifols	RV	>>>	23	27	Positive			
(172) Immucor	RV	>>>	13	15	Positive			
(173) Sanguin	RV	>>>	3	3,6	Positive			
(174) IVT Imuno	RV	>>>	1	1,2	Positive			
(203) ANTITOXIN	RV	>>>	1	1,2	Positive			
Samples E2 and S2			84			84	84	100
(6) APR	RV	>>>	1	1,2	Positive			
(14) Bio-Rad	RV	>>>	32	38	Positive			
(64) Exbio Olomouc	RV	>>>	1	1,2	Positive			
(80) DiaMed	RV	>>>	9	11	Positive			
(159) Grifols	RV	>>>	23	27	Positive			
(172) Immucor	RV	>>>	13	15	Positive			
(173) Sanguin	RV	>>>	3	3,6	Positive			
(174) IVT Imuno	RV	>>>	1	1,2	Positive			
(203) ANTITOXIN	RV	>>>	1	1,2	Positive			

Summary statistics - qualitative results

EQA round: IH2/26 - Blood Group Serology

Deadline: 29.5.2026

Setup: groups - R (manufacturer of kit)

Test / Sample / Group		AV	N_{tot}	N_{rel} [%]	Result	Success N_{eva}	Success N_{suc}	Success S_{rel} [%]
(718) **Antigen E**			85			85	84	99
Samples E1 and S1			85			85	84	99
(6) APR	RV	>>>	1	1,2	Negative			
(14) Bio-Rad	RV	>>>	32	38	Negative			
(64) Exbio Olomouc	RV	>>>	1	1,2	Negative			
(80) DiaMed	RV	>>>	9	11	Negative			
(159) Grifols	RV	>>>	23	27	Negative			
			1	1,2	Positive			
(172) Immucor	RV	>>>	13	15	Negative			
(173) Sanguin	RV	>>>	3	3,5	Negative			
(174) IVT Imuno	RV	>>>	1	1,2	Negative			
(203) ANTITOXIN	RV	>>>	1	1,2	Negative			
Samples E2 and S2			85			85	85	100
(6) APR	RV	>>>	1	1,2	Negative			
(14) Bio-Rad	RV	>>>	32	38	Negative			
(64) Exbio Olomouc	RV	>>>	1	1,2	Negative			
(80) DiaMed	RV	>>>	9	11	Negative			
(159) Grifols	RV	>>>	24	28	Negative			
(172) Immucor	RV	>>>	13	15	Negative			
(173) Sanguin	RV	>>>	3	3,5	Negative			
(174) IVT Imuno	RV	>>>	1	1,2	Negative			
(203) ANTITOXIN	RV	>>>	1	1,2	Negative			
(719) **Antigen e**			84			84	84	100
Samples E1 and S1			84			84	84	100
(6) APR	RV	>>>	1	1,2	Positive			
(14) Bio-Rad	RV	>>>	31	37	Positive			
(17) Biogema	RV	>>>	1	1,2	Positive			
(64) Exbio Olomouc	RV	>>>	1	1,2	Positive			
(80) DiaMed	RV	>>>	9	11	Positive			
(159) Grifols	RV	>>>	23	27	Positive			
(172) Immucor	RV	>>>	13	15	Positive			
(173) Sanguin	RV	>>>	3	3,6	Positive			
(174) IVT Imuno	RV	>>>	1	1,2	Positive			
(203) ANTITOXIN	RV	>>>	1	1,2	Positive			
Samples E2 and S2			84			84	84	100
(6) APR	RV	>>>	1	1,2	Positive			
(14) Bio-Rad	RV	>>>	31	37	Positive			
(17) Biogema	RV	>>>	1	1,2	Positive			
(64) Exbio Olomouc	RV	>>>	1	1,2	Positive			
(80) DiaMed	RV	>>>	9	11	Positive			
(159) Grifols	RV	>>>	23	27	Positive			
(172) Immucor	RV	>>>	13	15	Positive			
(173) Sanguin	RV	>>>	3	3,6	Positive			
(174) IVT Imuno	RV	>>>	1	1,2	Positive			
(203) ANTITOXIN	RV	>>>	1	1,2	Positive			
(717) **Antigen C^w**			71			71	71	100
Samples E1 and S1			71			71	71	100
(6) APR	RV	>>>	1	1,4	Negative			
(14) Bio-Rad	RV	>>>	24	34	Negative			
(64) Exbio Olomouc	RV	>>>	1	1,4	Negative			
(80) DiaMed	RV	>>>	4	5,6	Negative			
(159) Grifols	RV	>>>	23	32	Negative			
(172) Immucor	RV	>>>	13	18	Negative			
(173) Sanguin	RV	>>>	2	2,8	Negative			
(174) IVT Imuno	RV	>>>	1	1,4	Negative			
(203) ANTITOXIN	RV	>>>	2	2,8	Negative			
Samples E2 and S2			71			71	71	100
(6) APR	RV	>>>	1	1,4	Negative			
(14) Bio-Rad	RV	>>>	24	34	Negative			
(64) Exbio Olomouc	RV	>>>	1	1,4	Negative			
(80) DiaMed	RV	>>>	4	5,6	Negative			
(159) Grifols	RV	>>>	23	32	Negative			
(172) Immucor	RV	>>>	13	18	Negative			
(173) Sanguin	RV	>>>	2	2,8	Negative			
(174) IVT Imuno	RV	>>>	1	1,4	Negative			
(203) ANTITOXIN	RV	>>>	2	2,8	Negative			
(720) **Antigen K**			92			92	92	100
Samples E1 and S1			92			92	92	100
(6) APR	RV	>>>	1	1,1	Negative			

Summary statistics - qualitative results

EQA round: IH2/26 - Blood Group Serology

Deadline: 29.5.2026

Setup: groups - R (manufacturer of kit)

Test / Sample / Group		AV	N_{tot}	N_{rel} [%]	Result	N_{eva}	N_{suc}	S_{rel} [%]
					Frequency of the results			**Success**
(14) Bio-Rad	RV	>>>	31	34	Negative			
(80) DiaMed	RV	>>>	9	9,8	Negative			
(159) Grifols	RV	>>>	32	35	Negative			
(172) Immucor	RV	>>>	13	14	Negative			
(173) Sanguin	RV	>>>	3	3,3	Negative			
(174) IVT Imuno	RV	>>>	3	3,3	Negative			
Samples E2 and S2			92			92	92	100
(6) APR	RV	>>>	1	1,1	Negative			
(14) Bio-Rad	RV	>>>	31	34	Negative			
(80) DiaMed	RV	>>>	9	9,8	Negative			
(159) Grifols	RV	>>>	32	35	Negative			
(172) Immucor	RV	>>>	13	14	Negative			
(173) Sanguin	RV	>>>	3	3,3	Negative			
(174) IVT Imuno	RV	>>>	3	3,3	Negative			
(721) **Antigen k**			47			47	47	100
Samples E1 and S1			47			47	47	100
(14) Bio-Rad	RV	>>>	16	34	Positive			
(64) Exbio Olomouc	RV	>>>	3	6,4	Positive			
(159) Grifols	RV	>>>	7	15	Positive			
(172) Immucor	RV	>>>	7	15	Positive			
(173) Sanguin	RV	>>>	8	17	Positive			
(174) IVT Imuno	RV	>>>	1	2,1	Positive			
(203) ANTITOXIN	RV	>>>	4	8,5	Positive			
(999) another manufacturer	RV	>>>	1	2,1	Positive			
Samples E2 and S2			47			47	47	100
(14) Bio-Rad	RV	>>>	16	34	Positive			
(64) Exbio Olomouc	RV	>>>	3	6,4	Positive			
(159) Grifols	RV	>>>	7	15	Positive			
(172) Immucor	RV	>>>	7	15	Positive			
(173) Sanguin	RV	>>>	8	17	Positive			
(174) IVT Imuno	RV	>>>	1	2,1	Positive			
(203) ANTITOXIN	RV	>>>	4	8,5	Positive			
(999) another manufacturer	RV	>>>	1	2,1	Positive			
(738) **Antigen Kp[a]**			23			23	23	100
Samples E1 and S1			23			23	23	100
(14) Bio-Rad	RV	>>>	7	30	Negative			
(64) Exbio Olomouc	RV	>>>	2	8,7	Negative			
(80) DiaMed	RV	>>>	1	4,3	Negative			
(159) Grifols	RV	>>>	5	22	Negative			
(172) Immucor	RV	>>>	5	22	Negative			
(173) Sanguin	RV	>>>	1	4,3	Negative			
(183) Immunodiagnostic Systems	RV	>>>	1	4,3	Negative			
(999) another manufacturer	RV	>>>	1	4,3	Negative			
Samples E2 and S2			23			23	23	100
(14) Bio-Rad	RV	>>>	7	30	Negative			
(64) Exbio Olomouc	RV	>>>	2	8,7	Negative			
(80) DiaMed	RV	>>>	1	4,3	Negative			
(159) Grifols	RV	>>>	5	22	Negative			
(172) Immucor	RV	>>>	5	22	Negative			
(173) Sanguin	RV	>>>	1	4,3	Negative			
(183) Immunodiagnostic Systems	RV	>>>	1	4,3	Negative			
(999) another manufacturer	RV	>>>	1	4,3	Negative			
(739) **Antigen Kp[b]**			12			12	12	100
Samples E1 and S1			12			12	12	100
(14) Bio-Rad	RV	>>>	3	25	Positive			
(64) Exbio Olomouc	RV	>>>	1	8,3	Positive			
(80) DiaMed	RV	>>>	1	8,3	Positive			
(159) Grifols	RV	>>>	4	33	Positive			
(172) Immucor	RV	>>>	3	25	Positive			
Samples E2 and S2			12			12	12	100
(14) Bio-Rad	RV	>>>	3	25	Positive			
(64) Exbio Olomouc	RV	>>>	1	8,3	Positive			
(80) DiaMed	RV	>>>	1	8,3	Positive			
(159) Grifols	RV	>>>	4	33	Positive			
(172) Immucor	RV	>>>	3	25	Positive			
(729) **Antigen Jk[a]**			44			44	44	100
Samples E1 and S1			44			44	44	100
(14) Bio-Rad	RV	>>>	14	32	Negative			
(38) Werfen (IL)	RV	>>>	1	2,3	Negative			

Summary statistics - qualitative results

EQA round: IH2/26 - Blood Group Serology

Deadline: 29.5.2026

Setup: groups - R (manufacturer of kit)

Test / Sample / Group		AV	N_{tot}	N_{rel} [%]	Result	Success N_{eva}	N_{suc}	S_{rel} [%]
(64) Exbio Olomouc	RV	>>>	2	4,5	Negative			
(80) DiaMed	RV	>>>	1	2,3	Negative			
(159) Grifols	RV	>>>	9	20	Negative			
(172) Immucor	RV	>>>	10	23	Negative			
(173) Sanguin	RV	>>>	6	14	Negative			
(203) ANTITOXIN	RV	>>>	1	2,3	Negative			
Samples E2 and S2			44			44	44	100
(14) Bio-Rad	RV	>>>	14	32	Negative			
(38) Werfen (IL)	RV	>>>	1	2,3	Negative			
(64) Exbio Olomouc	RV	>>>	2	4,5	Negative			
(80) DiaMed	RV	>>>	1	2,3	Negative			
(159) Grifols	RV	>>>	9	20	Negative			
(172) Immucor	RV	>>>	10	23	Negative			
(173) Sanguin	RV	>>>	6	14	Negative			
(203) ANTITOXIN	RV	>>>	1	2,3	Negative			
(730) **Antigen Jk[b]**			44			44	44	100
Samples E1 and S1			44			44	44	100
(14) Bio-Rad	RV	>>>	15	34	Positive			
(64) Exbio Olomouc	RV	>>>	2	4,5	Positive			
(80) DiaMed	RV	>>>	1	2,3	Positive			
(159) Grifols	RV	>>>	9	20	Positive			
(172) Immucor	RV	>>>	10	23	Positive			
(173) Sanguin	RV	>>>	6	14	Positive			
(203) ANTITOXIN	RV	>>>	1	2,3	Positive			
Samples E2 and S2			44			44	44	100
(14) Bio-Rad	RV	>>>	15	34	Positive			
(64) Exbio Olomouc	RV	>>>	2	4,5	Positive			
(80) DiaMed	RV	>>>	1	2,3	Positive			
(159) Grifols	RV	>>>	9	20	Positive			
(172) Immucor	RV	>>>	10	23	Positive			
(173) Sanguin	RV	>>>	6	14	Positive			
(203) ANTITOXIN	RV	>>>	1	2,3	Positive			
(727) **Antigen Fy[a]**			43			43	43	100
Samples E1 and S1			43			43	43	100
(14) Bio-Rad	RV	>>>	14	33	Positive			
(64) Exbio Olomouc	RV	>>>	2	4,7	Positive			
(80) DiaMed	RV	>>>	1	2,3	Positive			
(159) Grifols	RV	>>>	10	23	Positive			
(172) Immucor	RV	>>>	6	14	Positive			
(173) Sanguin	RV	>>>	6	14	Positive			
(174) IVT Imuno	RV	>>>	1	2,3	Positive			
(190) Exbio Praha	RV	>>>	1	2,3	Positive			
(203) ANTITOXIN	RV	>>>	2	4,7	Positive			
Samples E2 and S2			43			43	43	100
(14) Bio-Rad	RV	>>>	14	33	Negative			
(64) Exbio Olomouc	RV	>>>	2	4,7	Negative			
(80) DiaMed	RV	>>>	1	2,3	Negative			
(159) Grifols	RV	>>>	10	23	Negative			
(172) Immucor	RV	>>>	6	14	Negative			
(173) Sanguin	RV	>>>	6	14	Negative			
(174) IVT Imuno	RV	>>>	1	2,3	Negative			
(190) Exbio Praha	RV	>>>	1	2,3	Negative			
(203) ANTITOXIN	RV	>>>	2	4,7	Negative			
(728) **Antigen Fy[b]**			43			43	43	100
Samples E1 and S1			43			43	43	100
(14) Bio-Rad	RV	>>>	15	35	Positive			
(64) Exbio Olomouc	RV	>>>	2	4,7	Positive			
(80) DiaMed	RV	>>>	1	2,3	Positive			
(159) Grifols	RV	>>>	10	23	Positive			
(172) Immucor	RV	>>>	6	14	Positive			
(173) Sanguin	RV	>>>	6	14	Positive			
(174) IVT Imuno	RV	>>>	1	2,3	Positive			
(203) ANTITOXIN	RV	>>>	2	4,7	Positive			
Samples E2 and S2			43			43	43	100
(14) Bio-Rad	RV	>>>	15	35	Positive			
(64) Exbio Olomouc	RV	>>>	2	4,7	Positive			
(80) DiaMed	RV	>>>	1	2,3	Positive			
(159) Grifols	RV	>>>	10	23	Positive			
(172) Immucor	RV	>>>	6	14	Positive			

Summary statistics - qualitative results

EQA round: IH2/26 - Blood Group Serology

Deadline: 29.5.2026

Setup: groups - R (manufacturer of kit)

Test / Sample / Group		AV	N_{tot}	N_{rel} [%]	Result	N_{eva}	N_{suc}	S_{rel} [%]
					Frequency of the results			**Success**
(173) Sanguin	RV	>>>	6	14	Positive			
(174) IVT Imuno	RV	>>>	1	2,3	Positive			
(203) ANTITOXIN	RV	>>>	2	4,7	Positive			
(722) **Antigen M**			43			43	43	100
Samples E1 and S1			43			43	43	100
(14) Bio-Rad	RV	>>>	15	35	Positive			
(64) Exbio Olomouc	RV	>>>	1	2,3	Positive			
(80) DiaMed	RV	>>>	1	2,3	Positive			
(159) Grifols	RV	>>>	10	23	Positive			
(172) Immucor	RV	>>>	11	26	Positive			
(173) Sanguin	RV	>>>	1	2,3	Positive			
(183) Immunodiagnostic Systems	RV	>>>	1	2,3	Positive			
(190) Exbio Praha	RV	>>>	1	2,3	Positive			
(203) ANTITOXIN	RV	>>>	2	4,7	Positive			
Samples E2 and S2			43			43	43	100
(14) Bio-Rad	RV	>>>	15	35	Positive			
(64) Exbio Olomouc	RV	>>>	1	2,3	Positive			
(80) DiaMed	RV	>>>	1	2,3	Positive			
(159) Grifols	RV	>>>	10	23	Positive			
(172) Immucor	RV	>>>	11	26	Positive			
(173) Sanguin	RV	>>>	1	2,3	Positive			
(183) Immunodiagnostic Systems	RV	>>>	1	2,3	Positive			
(190) Exbio Praha	RV	>>>	1	2,3	Positive			
(203) ANTITOXIN	RV	>>>	2	4,7	Positive			
(723) **Antigen N**			39			39	39	100
Samples E1 and S1			39			39	39	100
(14) Bio-Rad	RV	>>>	16	41	Positive			
(64) Exbio Olomouc	RV	>>>	1	2,6	Positive			
(80) DiaMed	RV	>>>	1	2,6	Positive			
(159) Grifols	RV	>>>	10	26	Positive			
(172) Immucor	RV	>>>	6	15	Positive			
(173) Sanguin	RV	>>>	2	5,1	Positive			
(190) Exbio Praha	RV	>>>	1	2,6	Positive			
(203) ANTITOXIN	RV	>>>	2	5,1	Positive			
Samples E2 and S2			39			39	39	100
(14) Bio-Rad	RV	>>>	16	41	Positive			
(64) Exbio Olomouc	RV	>>>	1	2,6	Positive			
(80) DiaMed	RV	>>>	1	2,6	Positive			
(159) Grifols	RV	>>>	10	26	Positive			
(172) Immucor	RV	>>>	6	15	Positive			
(173) Sanguin	RV	>>>	2	5,1	Positive			
(190) Exbio Praha	RV	>>>	1	2,6	Positive			
(203) ANTITOXIN	RV	>>>	2	5,1	Positive			
(724) **Antigen S**			44			44	44	100
Samples E1 and S1			44			44	44	100
(14) Bio-Rad	RV	>>>	15	34	Positive			
(64) Exbio Olomouc	RV	>>>	2	4,5	Positive			
(80) DiaMed	RV	>>>	1	2,3	Positive			
(159) Grifols	RV	>>>	7	16	Positive			
(172) Immucor	RV	>>>	14	32	Positive			
(173) Sanguin	RV	>>>	3	6,8	Positive			
(174) IVT Imuno	RV	>>>	1	2,3	Positive			
(203) ANTITOXIN	RV	>>>	1	2,3	Positive			
Samples E2 and S2			44			44	44	100
(14) Bio-Rad	RV	>>>	15	34	Negative			
(64) Exbio Olomouc	RV	>>>	2	4,5	Negative			
(80) DiaMed	RV	>>>	1	2,3	Negative			
(159) Grifols	RV	>>>	7	16	Negative			
(172) Immucor	RV	>>>	14	32	Negative			
(173) Sanguin	RV	>>>	3	6,8	Negative			
(174) IVT Imuno	RV	>>>	1	2,3	Negative			
(203) ANTITOXIN	RV	>>>	1	2,3	Negative			
(725) **Antigen s**			43			43	43	100
Samples E1 and S1			43			43	43	100
(14) Bio-Rad	RV	>>>	16	37	Negative			
(64) Exbio Olomouc	RV	>>>	3	7	Negative			
(80) DiaMed	RV	>>>	1	2,3	Negative			
(159) Grifols	RV	>>>	7	16	Negative			
(172) Immucor	RV	>>>	10	23	Negative			

Summary statistics - qualitative results

EQA round: IH2/26 - Blood Group Serology

Deadline: 29.5.2026

Setup: groups - R (manufacturer of kit)

Test / Sample / Group		AV	N_{tot}	N_{rel} [%]	Result	N_{eva}	N_{suc}	S_{rel} [%]
						Success		
					Frequency of the results			
(173) Sanguin	RV	>>>	4	9,3	Negative			
(174) IVT Imuno	RV	>>>	1	2,3	Negative			
(203) ANTITOXIN	RV	>>>	1	2,3	Negative			
Samples E2 and S2			43			43	43	100
(14) Bio-Rad	RV	>>>	16	37	Positive			
(64) Exbio Olomouc	RV	>>>	3	7	Positive			
(80) DiaMed	RV	>>>	1	2,3	Positive			
(159) Grifols	RV	>>>	7	16	Positive			
(172) Immucor	RV	>>>	10	23	Positive			
(173) Sanguin	RV	>>>	4	9,3	Positive			
(174) IVT Imuno	RV	>>>	1	2,3	Positive			
(203) ANTITOXIN	RV	>>>	1	2,3	Positive			
(733) **Antigen Le[a]**			32			32	32	100
Samples E1 and S1			32			32	32	100
(14) Bio-Rad	RV	>>>	13	41	Positive			
(80) DiaMed	RV	>>>	1	3,1	Positive			
(159) Grifols	RV	>>>	7	22	Positive			
(172) Immucor	RV	>>>	6	19	Positive			
(173) Sanguin	RV	>>>	1	3,1	Positive			
(174) IVT Imuno	RV	>>>	1	3,1	Positive			
(190) Exbio Praha	RV	>>>	1	3,1	Positive			
(203) ANTITOXIN	RV	>>>	2	6,3	Positive			
Samples E2 and S2			32			32	32	100
(14) Bio-Rad	RV	>>>	13	41	Negative			
(80) DiaMed	RV	>>>	1	3,1	Negative			
(159) Grifols	RV	>>>	7	22	Negative			
(172) Immucor	RV	>>>	6	19	Negative			
(173) Sanguin	RV	>>>	1	3,1	Negative			
(174) IVT Imuno	RV	>>>	1	3,1	Negative			
(190) Exbio Praha	RV	>>>	1	3,1	Negative			
(203) ANTITOXIN	RV	>>>	2	6,3	Negative			
(734) **Antigen Le[b]**			31			31	29	94
Samples E1 and S1			31			31	31	100
(14) Bio-Rad	RV	>>>	13	42	Negative			
(80) DiaMed	RV	>>>	1	3,2	Negative			
(159) Grifols	RV	>>>	7	23	Negative			
(172) Immucor	RV	>>>	5	16	Negative			
(173) Sanguin	RV	>>>	1	3,2	Negative			
(174) IVT Imuno	RV	>>>	1	3,2	Negative			
(190) Exbio Praha	RV	>>>	1	3,2	Negative			
(203) ANTITOXIN	RV	>>>	2	6,5	Negative			
Samples E2 and S2			31			31	29	94
(14) Bio-Rad	RV	>>>	13	42	Positive			
(80) DiaMed	RV	>>>	1	3,2	Positive			
(159) Grifols	RV	>>>	7	23	Positive			
(172) Immucor	RV	>>>	5	16	Positive			
(173) Sanguin	RV	>>>	1	3,2	Positive			
(174) IVT Imuno			1	3,2	Negative			
(190) Exbio Praha	RV	>>>	1	3,2	Positive			
(203) ANTITOXIN			1	3,2	Negative			
	RV	>>>	1	3,2	Positive			
(731) **Antigen Lu[a]**			26			26	26	100
Samples E1 and S1			26			26	26	100
(14) Bio-Rad	RV	>>>	15	58	Negative			
(64) Exbio Olomouc	RV	>>>	1	3,8	Negative			
(80) DiaMed	RV	>>>	2	7,7	Negative			
(159) Grifols	RV	>>>	6	23	Negative			
(183) Immunodiagnostic Systems	RV	>>>	1	3,8	Negative			
(203) ANTITOXIN	RV	>>>	1	3,8	Negative			
Samples E2 and S2			26			26	26	100
(14) Bio-Rad	RV	>>>	15	58	Negative			
(64) Exbio Olomouc	RV	>>>	1	3,8	Negative			
(80) DiaMed	RV	>>>	2	7,7	Negative			
(159) Grifols	RV	>>>	6	23	Negative			
(183) Immunodiagnostic Systems	RV	>>>	1	3,8	Negative			
(203) ANTITOXIN	RV	>>>	1	3,8	Negative			
(732) **Antigen Lu[b]**			22			22	22	100
Samples E1 and S1			22			22	22	100
(14) Bio-Rad	RV	>>>	14	64	Positive			

Summary statistics - qualitative results

EQA round: IH2/26 - Blood Group Serology

Deadline: 29.5.2026

Setup: groups - R (manufacturer of kit)

Test / Sample / Group		AV	N_{tot}	N_{rel} [%]	Result	N_{eva}	N_{suc}	S_{rel} [%]
						Success		
					Frequency of the results			
(80) DiaMed	RV	>>>	2	9,1	Positive			
(159) Grifols	RV	>>>	5	23	Positive			
(203) ANTITOXIN	RV	>>>	1	4,5	Positive			
Samples E2 and S2			22			22	22	100
(14) Bio-Rad	RV	>>>	14	64	Positive			
(80) DiaMed	RV	>>>	2	9,1	Positive			
(159) Grifols	RV	>>>	5	23	Positive			
(203) ANTITOXIN	RV	>>>	1	4,5	Positive			
(726) **Antigen P1**			27			27	27	100
Samples E1 and S1			27			27	27	100
(14) Bio-Rad	RV	>>>	9	33	Positive			
(64) Exbio Olomouc	RV	>>>	2	7,4	Positive			
(80) DiaMed	RV	>>>	1	3,7	Positive			
(159) Grifols	RV	>>>	2	7,4	Positive			
(172) Immucor	RV	>>>	6	22	Positive			
(173) Sanguin	RV	>>>	4	15	Positive			
(174) IVT Imuno	RV	>>>	1	3,7	Positive			
(183) Immunodiagnostic Systems	RV	>>>	1	3,7	Positive			
(203) ANTITOXIN	RV	>>>	1	3,7	Positive			
Samples E2 and S2			27			27	27	100
(14) Bio-Rad	RV	>>>	9	33	Positive			
(64) Exbio Olomouc	RV	>>>	2	7,4	Positive			
(80) DiaMed	RV	>>>	1	3,7	Positive			
(159) Grifols	RV	>>>	2	7,4	Positive			
(172) Immucor	RV	>>>	6	22	Positive			
(173) Sanguin	RV	>>>	4	15	Positive			
(174) IVT Imuno	RV	>>>	1	3,7	Positive			
(183) Immunodiagnostic Systems	RV	>>>	1	3,7	Positive			
(203) ANTITOXIN	RV	>>>	1	3,7	Positive			
(740) **Antigen Wr[a]**			6			6	6	100
Samples E1 and S1			6			6	6	100
(14) Bio-Rad	RV	>>>	1	17	Negative			
(159) Grifols	RV	>>>	1	17	Negative			
(172) Immucor	RV	>>>	4	67	Negative			
Samples E2 and S2			6			6	6	100
(14) Bio-Rad	RV	>>>	1	17	Negative			
(159) Grifols	RV	>>>	1	17	Negative			
(172) Immucor	RV	>>>	4	67	Negative			
(737) **Direct Antiglobulin Test**			129			129	129	100
Samples E1 and S1			129			129	129	100
(14) Bio-Rad	RV	>>>	61	47	Negative			
(40) Ortho Clinical Diagnostics	RV	>>>	1	0,8	Negative			
(64) Exbio Olomouc	RV	>>>	2	1,6	Negative			
(80) DiaMed	RV	>>>	16	12	Negative			
(159) Grifols	RV	>>>	47	36	Negative			
(172) Immucor	RV	>>>	1	0,8	Negative			
(174) IVT Imuno	RV	>>>	1	0,8	Negative			
Samples E2 and S2			129			129	129	100
(14) Bio-Rad	RV	>>>	61	47	Negative			
(40) Ortho Clinical Diagnostics	RV	>>>	1	0,8	Negative			
(64) Exbio Olomouc	RV	>>>	2	1,6	Negative			
(80) DiaMed	RV	>>>	16	12	Negative			
(159) Grifols	RV	>>>	47	36	Negative			
(172) Immucor	RV	>>>	1	0,8	Negative			
(174) IVT Imuno	RV	>>>	1	0,8	Negative			
(741) **Antierythrocyte antibody screening (IAT, blood donor)**			78			78	78	100
Samples E1 and S1			78			78	78	100
(6) APR	RV	>>>	1	1,3	Positive			
(14) Bio-Rad	RV	>>>	32	41	Positive			
(38) Werfen (IL)	RV	>>>	1	1,3	Positive			
(80) DiaMed	RV	>>>	6	7,7	Positive			
(159) Grifols	RV	>>>	22	28	Positive			
(172) Immucor	RV	>>>	16	21	Positive			
Samples E2 and S2			78			78	78	100
(6) APR	RV	>>>	1	1,3	Positive			
(14) Bio-Rad	RV	>>>	32	41	Positive			
(38) Werfen (IL)	RV	>>>	1	1,3	Positive			
(80) DiaMed	RV	>>>	6	7,7	Positive			

Summary statistics - qualitative results

EQA round: IH2/26 - Blood Group Serology

Deadline: 29.5.2026

Setup: groups - R (manufacturer of kit)

Test / Sample / Group		AV	N_{tot}	N_{rel} [%]	Result	N_{eva}	N_{suc}	S_{rel} [%]
					Frequency of the results		**Success**	
(159) Grifols	RV	>>>	22	28	Positive			
(172) Immucor	RV	>>>	16	21	Positive			
(743) **Antierythrocyte antibody screening (IAT, recipient)**			141			141	141	100
Samples E1 and S1			141			141	141	100
(14) Bio-Rad	RV	>>>	65	46	Positive			
(40) Ortho Clinical Diagnostics	RV	>>>	1	0,7	Positive			
(80) DiaMed	RV	>>>	17	12	Positive			
(159) Grifols	RV	>>>	50	35	Positive			
(172) Immucor	RV	>>>	8	5,7	Positive			
Samples E2 and S2			141			141	141	100
(14) Bio-Rad	RV	>>>	65	46	Positive			
(40) Ortho Clinical Diagnostics	RV	>>>	1	0,7	Positive			
(80) DiaMed	RV	>>>	17	12	Positive			
(159) Grifols	RV	>>>	50	35	Positive			
(172) Immucor	RV	>>>	8	5,7	Positive			
(745) **Antierythrocyte antibody screening (IAT, pregnant)**			117			117	117	100
Samples E1 and S1			117			117	117	100
(14) Bio-Rad	RV	>>>	53	45	Positive			
(40) Ortho Clinical Diagnostics	RV	>>>	1	0,9	Positive			
(64) Exbio Olomouc	RV	>>>	1	0,9	Positive			
(80) DiaMed	RV	>>>	11	9,4	Positive			
(159) Grifols	RV	>>>	43	37	Positive			
(172) Immucor	RV	>>>	8	6,8	Positive			
Samples E2 and S2			117			117	117	100
(14) Bio-Rad	RV	>>>	53	45	Positive			
(40) Ortho Clinical Diagnostics	RV	>>>	1	0,9	Positive			
(64) Exbio Olomouc	RV	>>>	1	0,9	Positive			
(80) DiaMed	RV	>>>	11	9,4	Positive			
(159) Grifols	RV	>>>	43	37	Positive			
(172) Immucor	RV	>>>	8	6,8	Positive			
(747) **Antierythrocyte antibody screening (enzyme test)**			99			99	99	100
Samples E1 and S1			99			99	99	100
(14) Bio-Rad		>	12	12	Negative			
	RV	>>>	34	34	Positive			
(40) Ortho Clinical Diagnostics	RV	>>>	1	1	Positive			
(80) DiaMed		>	2	2	Negative			
	RV	>>>	8	8,1	Positive			
(159) Grifols	RV	>>>	41	41	Positive			
(172) Immucor	RV	>>>	1	1	Positive			
Samples E2 and S2			99			99	99	100
(14) Bio-Rad	RV	>>>	46	46	Positive			
(40) Ortho Clinical Diagnostics	RV	>>>	1	1	Positive			
(80) DiaMed	RV	>>>	10	10	Positive			
(159) Grifols	RV	>>>	41	41	Positive			
(172) Immucor	RV	>>>	1	1	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		
(0) not specified		±	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		
(0) not specified		±	1	2,9	titre 4			
		±	14	40	titre 8			
		±	15	43	titre 16			
		±	5	14	titre 32			

Summary statistics - qualitative results

EQA round: IH2/26 - Blood Group Serology

Deadline: 29.5.2026

Setup: groups - R (manufacturer of kit)

Test / Sample / Group		AV	N_{tot}	N_{rel} [%]	Result	N_{eva}	N_{suc}	S_{rel} [%]
						Success		
(756) **Antibody titre, Sample 2: 1st antibody**			37			0		
Samples E2 and S2			37			0		
(0) not specified		±	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		
(0) not specified		±	3	8,3	titre 0 (not measurable)			
		±	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		
(0) not specified		±	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
(0) not specified	RV	>>>	128	100	Negative test			
Sample S2			128			128	128	100
(0) not specified		>	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		
(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
(0) not specified	RV	>>>	128	100	Positive test			
Sample S2			128			128	128	100
(0) not specified	RV	>>>	128	100	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			