

**EQA round: IH1/23 - Blood Group Serology**

Setup: groups - 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
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Test Sample Group	AV	Frequency of the results			Success		
		$N_{tot}$	$N_{rel}$	Result [%]	$N_{eva}$	$N_{suc}$	$S_{rel}$ [%]

**Set 1 and 2**

(700) ABO blood group	189	189	189	189	189	100
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**Samples E1 and S1**

(6) APR	RV	>>>	1	0,5	Blood group: A	189	189	100
(14) Bio-Rad	RV	>>>	62	33	Blood group: A			
(40) Ortho Clinical Diagnostics	RV	>>>	1	0,5	Blood group: A			
(52) Dynex	RV	>>>	2	1,1	Blood group: A			
(64) Exbio Olomouc	RV	>>>	6	3,2	Blood group: A			
(80) DiaMed	RV	>>>	9	4,8	Blood group: A			
(159) Grifols	RV	>>>	67	35	Blood group: A			
(171) Diagast	RV	>>>	2	1,1	Blood group: A			
(172) Immucor	RV	>>>	23	12	Blood group: A			
(173) Sanguin	RV	>>>	4	2,1	Blood group: A			
(174) IVT Imuno	RV	>>>	4	2,1	Blood group: A			
(183) Immunodiagnostic Systems	RV	>>>	2	1,1	Blood group: A			
(203) ANTITOXIN	RV	>>>	1	0,5	Blood group: A			
(999) another manufacturer	RV	>>>	5	2,6	Blood group: A			

**Samples E2 and S2**

(6) APR	RV	>>>	1	0,5	Blood group: 0	189	189	100
(14) Bio-Rad	RV	>>>	62	33	Blood group: 0			
(40) Ortho Clinical Diagnostics	RV	>>>	1	0,5	Blood group: 0			
(52) Dynex	RV	>>>	2	1,1	Blood group: 0			
(64) Exbio Olomouc	RV	>>>	6	3,2	Blood group: 0			
(80) DiaMed	RV	>>>	9	4,8	Blood group: 0			
(159) Grifols	RV	>>>	67	35	Blood group: 0			
(171) Diagast	RV	>>>	2	1,1	Blood group: 0			
(172) Immucor	RV	>>>	23	12	Blood group: 0			
(173) Sanguin	RV	>>>	4	2,1	Blood group: 0			
(174) IVT Imuno	RV	>>>	4	2,1	Blood group: 0			
(183) Immunodiagnostic Systems	RV	>>>	2	1,1	Blood group: 0			
(203) ANTITOXIN	RV	>>>	1	0,5	Blood group: 0			
(999) another manufacturer	RV	>>>	5	2,6	Blood group: 0			

**(703) A subgroup**

(703) A subgroup	49	49	48	98
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**Samples E1 and S1**

(0) not specified	RV	>>>	48	98	A subgroup A1	49	48	98
			1	2	A subgroup A2			

**Samples E2 and S2**

(0) not specified	RV	>>>	49	100	Not specified	49	49	100
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**(705) Rh D antigen (blood-donor)**

(705) Rh D antigen (blood-donor)	113	113	113	113	111	98
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**Samples E1 and S1**

(0) not specified	1	0,9	Not specified	113	113	100		
(14) Bio-Rad	RV	>>>	41	36	Negative (RhD-)			
(52) Dynex	RV	>>>	3	2,7	Negative (RhD-)			
(64) Exbio Olomouc	RV	>>>	2	1,8	Negative (RhD-)			
(80) DiaMed	RV	>>>	3	2,7	Negative (RhD-)			
(159) Grifols			1	0,9	Not specified			
	RV	>>>	32	28	Negative (RhD-)			
(171) Diagast	RV	>>>	2	1,8	Negative (RhD-)			
(172) Immucor	RV	>>>	20	18	Negative (RhD-)			
(173) Sanguin	RV	>>>	1	0,9	Negative (RhD-)			
(174) IVT Imuno	RV	>>>	1	0,9	Negative (RhD-)			
(183) Immunodiagnostic Systems	RV	>>>	1	0,9	Negative (RhD-)			
(203) ANTITOXIN	RV	>>>	3	2,7	Negative (RhD-)			
(999) another manufacturer	RV	>>>	2	1,8	Negative (RhD-)			

**Samples E2 and S2**

(0) not specified	RV	>>>	1	0,9	Positive (RhD+)	113	113	100
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(14) Bio-Rad	RV	>>>	41	36	Positive (RhD+)			
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(52) Dynex	RV	>>>	3	2,7	Positive (RhD+)			
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(64) Exbio Olomouc	RV	>>>	2	1,8	Positive (RhD+)			
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(80) DiaMed	RV	>>>	3	2,7	Positive (RhD+)			
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(159) Grifols	RV	>>>	33	29	Positive (RhD+)			
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(171) Diagast	RV	>>>	2	1,8	Positive (RhD+)			
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(172) Immucor	RV	>>>	20	18	Positive (RhD+)			
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(173) Sanguin	RV	>>>	1	0,9	Positive (RhD+)			
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**Summary statistics - qualitative results****EQA round: IH1/23 - Blood Group Serology**

Deadline: 10.3.2023

Setup: groups - manufacturer of kit

Test Sample Group	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Frequency of the results		N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
				Result				
(174) IVT Imuno	RV	>>>	1	0,9	Positive (RhD+)			
(183) Immunodiagnostic Systems	RV	>>>	1	0,9	Positive (RhD+)			
(203) ANTITOXIN	RV	>>>	3	2,7	Positive (RhD+)			
(999) another manufacturer	RV	>>>	2	1,8	Positive (RhD+)			
<b>(709) Rh D antigen (recipient/ pregnant/ newborn)</b>		182				182	181	99
<b>Samples E1 and S1</b>		182				182	182	100
(14) Bio-Rad	RV	>>>	60	33	Negative (RhD-)			
(40) Ortho Clinical Diagnostics	RV	>>>	1	0,5	Negative (RhD-)			
(52) Dynex	RV	>>>	1	0,5	Negative (RhD-)			
(64) Exbio Olomouc	RV	>>>	6	3,3	Negative (RhD-)			
(80) DiaMed	RV	>>>	7	3,8	Negative (RhD-)			
(159) Grifols	RV	>>>	64	35	Negative (RhD-)			
(170) Biostest	RV	>>>	1	0,5	Negative (RhD-)			
(171) Diagast	RV	>>>	2	1,1	Negative (RhD-)			
(172) Immucor	RV	>>>	26	14	Negative (RhD-)			
(173) Sanguin	RV	>>>	4	2,2	Negative (RhD-)			
(174) IVT Imuno	RV	>>>	2	1,1	Negative (RhD-)			
(183) Immunodiagnostic Systems	RV	>>>	1	0,5	Negative (RhD-)			
(203) ANTITOXIN	RV	>>>	3	1,6	Negative (RhD-)			
(999) another manufacturer	RV	>>>	4	2,2	Negative (RhD-)			
<b>Samples E2 and S2</b>		182				182	181	99
(14) Bio-Rad		1	0,5	Negative (RhD-)				
	RV	>>>	59	32	Positive (RhD+)			
(40) Ortho Clinical Diagnostics	RV	>>>	1	0,5	Positive (RhD+)			
(52) Dynex	RV	>>>	1	0,5	Positive (RhD+)			
(64) Exbio Olomouc	RV	>>>	6	3,3	Positive (RhD+)			
(80) DiaMed	RV	>>>	7	3,8	Positive (RhD+)			
(159) Grifols	RV	>>>	64	35	Positive (RhD+)			
(170) Biostest	RV	>>>	1	0,5	Positive (RhD+)			
(171) Diagast	RV	>>>	2	1,1	Positive (RhD+)			
(172) Immucor	RV	>>>	26	14	Positive (RhD+)			
(173) Sanguin	RV	>>>	4	2,2	Positive (RhD+)			
(174) IVT Imuno	RV	>>>	2	1,1	Positive (RhD+)			
(183) Immunodiagnostic Systems	RV	>>>	1	0,5	Positive (RhD+)			
(203) ANTITOXIN	RV	>>>	3	1,6	Positive (RhD+)			
(999) another manufacturer	RV	>>>	4	2,2	Positive (RhD+)			
<b>(715) Antigen C</b>		95				95	95	100
<b>Samples E1 and S1</b>		95				95	95	100
(14) Bio-Rad	RV	>>>	40	42	Negative			
(50) Merck	RV	>>>	1	1,1	Negative			
(80) DiaMed	RV	>>>	6	6,3	Negative			
(159) Grifols	RV	>>>	33	35	Negative			
(171) Diagast	RV	>>>	1	1,1	Negative			
(172) Immucor	RV	>>>	8	8,4	Negative			
(174) IVT Imuno	RV	>>>	1	1,1	Negative			
(183) Immunodiagnostic Systems	RV	>>>	1	1,1	Negative			
(203) ANTITOXIN	RV	>>>	3	3,2	Negative			
(999) another manufacturer	RV	>>>	1	1,1	Negative			
<b>Samples E2 and S2</b>		95				95	95	100
(14) Bio-Rad	RV	>>>	40	42	Positive			
(50) Merck	RV	>>>	1	1,1	Positive			
(80) DiaMed	RV	>>>	6	6,3	Positive			
(159) Grifols	RV	>>>	33	35	Positive			
(171) Diagast	RV	>>>	1	1,1	Positive			
(172) Immucor	RV	>>>	8	8,4	Positive			
(174) IVT Imuno	RV	>>>	1	1,1	Positive			
(183) Immunodiagnostic Systems	RV	>>>	1	1,1	Positive			
(203) ANTITOXIN	RV	>>>	3	3,2	Positive			
(999) another manufacturer	RV	>>>	1	1,1	Positive			
<b>(716) Antigen c</b>		95				95	94	99
<b>Samples E1 and S1</b>		95				95	94	99
(14) Bio-Rad	RV	>>>	40	42	Positive			
(50) Merck	RV	>>>	1	1,1	Positive			
(80) DiaMed	RV	>>>	6	6,3	Positive			
(159) Grifols			1	1,1	Negative			
	RV	>>>	32	34	Positive			
(171) Diagast	RV	>>>	1	1,1	Positive			
(172) Immucor	RV	>>>	8	8,4	Positive			

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Setup: groups - manufacturer of kit

Test Sample Group	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Frequency of the results		Success		
				Result		N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
(174) IVT Imuno	RV	>>>	1	1,1	Positive			
(183) Immunodiagnostic Systems	RV	>>>	1	1,1	Positive			
(203) ANTITOXIN	RV	>>>	3	3,2	Positive			
(999) another manufacturer	RV	>>>	1	1,1	Positive			
<b>Samples E2 and S2</b>		95				95	95	100
(14) Bio-Rad	RV	>>>	40	42	Negative			
(50) Merck	RV	>>>	1	1,1	Negative			
(80) DiaMed	RV	>>>	6	6,3	Negative			
(159) Grifols	RV	>>>	33	35	Negative			
(171) Diagast	RV	>>>	1	1,1	Negative			
(172) Immucor	RV	>>>	8	8,4	Negative			
(174) IVT Imuno	RV	>>>	1	1,1	Negative			
(183) Immunodiagnostic Systems	RV	>>>	1	1,1	Negative			
(203) ANTITOXIN	RV	>>>	3	3,2	Negative			
(999) another manufacturer	RV	>>>	1	1,1	Negative			
<b>(718) Antigen E</b>		96				96	96	100
<b>Samples E1 and S1</b>		96				96	96	100
(14) Bio-Rad	RV	>>>	41	43	Negative			
(50) Merck	RV	>>>	1	1	Negative			
(80) DiaMed	RV	>>>	6	6,3	Negative			
(159) Grifols	RV	>>>	33	34	Negative			
(171) Diagast	RV	>>>	1	1	Negative			
(172) Immucor	RV	>>>	8	8,3	Negative			
(174) IVT Imuno	RV	>>>	1	1	Negative			
(183) Immunodiagnostic Systems	RV	>>>	1	1	Negative			
(203) ANTITOXIN	RV	>>>	3	3,1	Negative			
(999) another manufacturer	RV	>>>	1	1	Negative			
<b>Samples E2 and S2</b>		96				96	96	100
(14) Bio-Rad	RV	>>>	41	43	Negative			
(50) Merck	RV	>>>	1	1	Negative			
(80) DiaMed	RV	>>>	6	6,3	Negative			
(159) Grifols	RV	>>>	33	34	Negative			
(171) Diagast	RV	>>>	1	1	Negative			
(172) Immucor	RV	>>>	8	8,3	Negative			
(174) IVT Imuno	RV	>>>	1	1	Negative			
(183) Immunodiagnostic Systems	RV	>>>	1	1	Negative			
(203) ANTITOXIN	RV	>>>	3	3,1	Negative			
(999) another manufacturer	RV	>>>	1	1	Negative			
<b>(719) Antigen e</b>		95				95	95	100
<b>Samples E1 and S1</b>		95				95	95	100
(14) Bio-Rad	RV	>>>	39	41	Positive			
(17) Biogema	RV	>>>	1	1,1	Positive			
(50) Merck	RV	>>>	1	1,1	Positive			
(80) DiaMed	RV	>>>	6	6,3	Positive			
(159) Grifols	RV	>>>	33	35	Positive			
(171) Diagast	RV	>>>	1	1,1	Positive			
(172) Immucor	RV	>>>	8	8,4	Positive			
(174) IVT Imuno	RV	>>>	1	1,1	Positive			
(183) Immunodiagnostic Systems	RV	>>>	1	1,1	Positive			
(203) ANTITOXIN	RV	>>>	3	3,2	Positive			
(999) another manufacturer	RV	>>>	1	1,1	Positive			
<b>Samples E2 and S2</b>		95				95	95	100
(14) Bio-Rad	RV	>>>	39	41	Positive			
(17) Biogema	RV	>>>	1	1,1	Positive			
(50) Merck	RV	>>>	1	1,1	Positive			
(80) DiaMed	RV	>>>	6	6,3	Positive			
(159) Grifols	RV	>>>	33	35	Positive			
(171) Diagast	RV	>>>	1	1,1	Positive			
(172) Immucor	RV	>>>	8	8,4	Positive			
(174) IVT Imuno	RV	>>>	1	1,1	Positive			
(183) Immunodiagnostic Systems	RV	>>>	1	1,1	Positive			
(203) ANTITOXIN	RV	>>>	3	3,2	Positive			
(999) another manufacturer	RV	>>>	1	1,1	Positive			
<b>(717) Antigen C<sup>w</sup></b>		79				79	79	100
<b>Samples E1 and S1</b>		79				79	79	100
(14) Bio-Rad	RV	>>>	28	35	Negative			
(50) Merck	RV	>>>	1	1,3	Negative			
(80) DiaMed	RV	>>>	2	2,5	Negative			
(159) Grifols	RV	>>>	34	43	Negative			

**Summary statistics - qualitative results****EQA round: IH1/23 - Blood Group Serology**

Deadline: 10.3.2023

Setup: groups - manufacturer of kit

Test Sample Group	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Frequency of the results		N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
				Result				
(170) Biostest	RV	>>>	1	1,3	Negative			
(172) Immucor	RV	>>>	7	8,9	Negative			
(173) Sanguin	RV	>>>	2	2,5	Negative			
(174) IVT Imuno	RV	>>>	2	2,5	Negative			
(203) ANTITOXIN	RV	>>>	1	1,3	Negative			
(999) another manufacturer	RV	>>>	1	1,3	Negative			
<b>Samples E2 and S2</b>		79				79	79	100
(14) Bio-Rad	RV	>>>	28	35	Negative			
(50) Merck	RV	>>>	1	1,3	Negative			
(80) DiaMed	RV	>>>	2	2,5	Negative			
(159) Grifols	RV	>>>	34	43	Negative			
(170) Biostest	RV	>>>	1	1,3	Negative			
(172) Immucor	RV	>>>	7	8,9	Negative			
(173) Sanguin	RV	>>>	2	2,5	Negative			
(174) IVT Imuno	RV	>>>	2	2,5	Negative			
(203) ANTITOXIN	RV	>>>	1	1,3	Negative			
(999) another manufacturer	RV	>>>	1	1,3	Negative			
<b>(720) Antigen K</b>		103				103	103	100
<b>Samples E1 and S1</b>		103				103	103	100
(14) Bio-Rad	RV	>>>	41	40	Negative			
(50) Merck	RV	>>>	1	1	Negative			
(80) DiaMed	RV	>>>	7	6,8	Negative			
(159) Grifols	RV	>>>	40	39	Negative			
(171) Diagast	RV	>>>	1	1	Negative			
(172) Immucor	RV	>>>	8	7,8	Negative			
(174) IVT Imuno	RV	>>>	1	1	Negative			
(183) Immunodiagnostic Systems	RV	>>>	1	1	Negative			
(203) ANTITOXIN	RV	>>>	2	1,9	Negative			
(999) another manufacturer	RV	>>>	1	1	Negative			
<b>Samples E2 and S2</b>		103				103	103	100
(14) Bio-Rad	RV	>>>	41	40	Negative			
(50) Merck	RV	>>>	1	1	Negative			
(80) DiaMed	RV	>>>	7	6,8	Negative			
(159) Grifols	RV	>>>	40	39	Negative			
(171) Diagast	RV	>>>	1	1	Negative			
(172) Immucor	RV	>>>	8	7,8	Negative			
(174) IVT Imuno	RV	>>>	1	1	Negative			
(183) Immunodiagnostic Systems	RV	>>>	1	1	Negative			
(203) ANTITOXIN	RV	>>>	2	1,9	Negative			
(999) another manufacturer	RV	>>>	1	1	Negative			
<b>(721) Antigen k</b>		43				43	43	100
<b>Samples E1 and S1</b>		43				43	43	100
(14) Bio-Rad	RV	>>>	10	23	Positive			
(64) Exbio Olomouc	RV	>>>	2	4,7	Positive			
(80) DiaMed	RV	>>>	2	4,7	Positive			
(159) Grifols	RV	>>>	11	26	Positive			
(172) Immucor	RV	>>>	9	21	Positive			
(173) Sanguin	RV	>>>	7	16	Positive			
(174) IVT Imuno	RV	>>>	1	2,3	Positive			
(999) another manufacturer	RV	>>>	1	2,3	Positive			
<b>Samples E2 and S2</b>		43				43	43	100
(14) Bio-Rad	RV	>>>	10	23	Positive			
(64) Exbio Olomouc	RV	>>>	2	4,7	Positive			
(80) DiaMed	RV	>>>	2	4,7	Positive			
(159) Grifols	RV	>>>	11	26	Positive			
(172) Immucor	RV	>>>	9	21	Positive			
(173) Sanguin	RV	>>>	7	16	Positive			
(174) IVT Imuno	RV	>>>	1	2,3	Positive			
(999) another manufacturer	RV	>>>	1	2,3	Positive			
<b>(738) Antigen Kp<sup>a</sup></b>		19				19	17	89
<b>Samples E1 and S1</b>		19				19	19	100
(0) not specified	RV	>>>	3	16	Negative			
(14) Bio-Rad	RV	>>>	5	26	Negative			
(80) DiaMed	RV	>>>	1	5,3	Negative			
(159) Grifols	RV	>>>	9	47	Negative			
(183) Immunodiagnostic Systems	RV	>>>	1	5,3	Negative			
<b>Samples E2 and S2</b>		19				19	17	89
(0) not specified			1	5,3	Not specified			
	RV	>>>	2	11	Negative			

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Test Sample Group	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Frequency of the results		Success N <sub>eva</sub> N <sub>suc</sub> S <sub>rel</sub> [%]
				Result		
(14) Bio-Rad		1	5,3	Not specified		
	RV	>>>	4	21	Negative	
(80) DiaMed		RV	>>>	1	5,3	Negative
(159) Grifols		RV	>>>	9	47	Negative
(183) Immunodiagnostic Systems		RV	>>>	1	5,3	Negative
<b>(739) Antigen Kp<sup>b</sup></b>		10				10 8 80
<b>Samples E1 and S1</b>		10				10 10 100
(0) not specified	RV	>>>	2	20	Positive	
(14) Bio-Rad		RV	>>>	2	20	Positive
(80) DiaMed		RV	>>>	1	10	Positive
(159) Grifols		RV	>>>	4	40	Positive
(183) Immunodiagnostic Systems		RV	>>>	1	10	Positive
<b>Samples E2 and S2</b>		10				10 8 80
(0) not specified		1	10	Not specified		
	RV	>>>	1	10	Positive	
(14) Bio-Rad			1	10	Not specified	
	RV	>>>	1	10	Positive	
(80) DiaMed		RV	>>>	1	10	Positive
(159) Grifols		RV	>>>	4	40	Positive
(183) Immunodiagnostic Systems		RV	>>>	1	10	Positive
<b>(729) Antigen Jk<sup>a</sup></b>		48				48 47 98
<b>Samples E1 and S1</b>		48				48 47 98
(0) not specified	RV	>>>	1	2,1	Positive	
(6) APR		RV	>>>	1	2,1	Positive
(14) Bio-Rad		RV	>>>	13	27	Positive
(52) Dynex		RV	>>>	1	2,1	Positive
(64) Exbio Olomouc		RV	>>>	2	4,2	Positive
(80) DiaMed		RV	>>>	2	4,2	Positive
(159) Grifols		RV	>>>	16	33	Positive
(172) Immucor		RV	>>>	6	13	Positive
(173) Sanguin		RV	>>>	5	10	Positive
(203) ANTITOXIN			1	2,1	Negative	
<b>Samples E2 and S2</b>		48				48 48 100
(0) not specified	RV	>>>	1	2,1	Positive	
(6) APR		RV	>>>	1	2,1	Positive
(14) Bio-Rad		RV	>>>	13	27	Positive
(52) Dynex		RV	>>>	1	2,1	Positive
(64) Exbio Olomouc		RV	>>>	2	4,2	Positive
(80) DiaMed		RV	>>>	2	4,2	Positive
(159) Grifols		RV	>>>	16	33	Positive
(172) Immucor		RV	>>>	6	13	Positive
(173) Sanguin		RV	>>>	5	10	Positive
(203) ANTITOXIN		RV	>>>	1	2,1	Positive
<b>(730) Antigen Jk<sup>b</sup></b>		47				47 47 100
<b>Samples E1 and S1</b>		47				47 47 100
(0) not specified	RV	>>>	1	2,1	Negative	
(6) APR		RV	>>>	1	2,1	Negative
(14) Bio-Rad		RV	>>>	12	26	Negative
(52) Dynex		RV	>>>	1	2,1	Negative
(64) Exbio Olomouc		RV	>>>	2	4,3	Negative
(80) DiaMed		RV	>>>	2	4,3	Negative
(159) Grifols		RV	>>>	16	34	Negative
(172) Immucor		RV	>>>	6	13	Negative
(173) Sanguin		RV	>>>	5	11	Negative
(203) ANTITOXIN		RV	>>>	1	2,1	Negative
<b>Samples E2 and S2</b>		47				47 47 100
(0) not specified	RV	>>>	1	2,1	Negative	
(6) APR		RV	>>>	1	2,1	Negative
(14) Bio-Rad		RV	>>>	12	26	Negative
(52) Dynex		RV	>>>	1	2,1	Negative
(64) Exbio Olomouc		RV	>>>	2	4,3	Negative
(80) DiaMed		RV	>>>	2	4,3	Negative
(159) Grifols		RV	>>>	16	34	Negative
(172) Immucor		RV	>>>	6	13	Negative
(173) Sanguin		RV	>>>	5	11	Negative
(203) ANTITOXIN		RV	>>>	1	2,1	Negative
<b>(727) Antigen Fy<sup>a</sup></b>		48				48 47 98
<b>Samples E1 and S1</b>		48				48 47 98
(0) not specified		1	2,1	Not specified		

**Summary statistics - qualitative results****EQA round: IH1/23 - Blood Group Serology**

Deadline: 10.3.2023

Setup: groups - manufacturer of kit

Test Sample Group	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Frequency of the results		N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
				Result				
(14) Bio-Rad	RV	>>>	13	27	Positive			
(64) Exbio Olomouc	RV	>>>	2	4,2	Positive			
(80) DiaMed	RV	>>>	2	4,2	Positive			
(159) Grifols	RV	>>>	19	40	Positive			
(172) Immucor	RV	>>>	5	10	Positive			
(173) Sanguin	RV	>>>	4	8,3	Positive			
(174) IVT Imuno	RV	>>>	1	2,1	Positive			
(203) ANTITOXIN	RV	>>>	1	2,1	Positive			
<b>Samples E2 and S2</b>			48			48	48	100
(0) not specified	RV	>>>	1	2,1	Negative			
(14) Bio-Rad	RV	>>>	13	27	Negative			
(64) Exbio Olomouc	RV	>>>	2	4,2	Negative			
(80) DiaMed	RV	>>>	2	4,2	Negative			
(159) Grifols	RV	>>>	19	40	Negative			
(172) Immucor	RV	>>>	5	10	Negative			
(173) Sanguin	RV	>>>	4	8,3	Negative			
(174) IVT Imuno	RV	>>>	1	2,1	Negative			
(203) ANTITOXIN	RV	>>>	1	2,1	Negative			
<b>(728) Antigen Fy<sup>b</sup></b>			48			48	47	98
<b>Samples E1 and S1</b>			48			48	47	98
(0) not specified			1	2,1	Not specified			
(14) Bio-Rad	RV	>>>	13	27	Positive			
(64) Exbio Olomouc	RV	>>>	2	4,2	Positive			
(80) DiaMed	RV	>>>	2	4,2	Positive			
(159) Grifols	RV	>>>	18	38	Positive			
(172) Immucor	RV	>>>	5	10	Positive			
(173) Sanguin	RV	>>>	4	8,3	Positive			
(174) IVT Imuno	RV	>>>	1	2,1	Positive			
(203) ANTITOXIN	RV	>>>	2	4,2	Positive			
<b>Samples E2 and S2</b>			48			48	48	100
(0) not specified	RV	>>>	1	2,1	Positive			
(14) Bio-Rad	RV	>>>	13	27	Positive			
(64) Exbio Olomouc	RV	>>>	2	4,2	Positive			
(80) DiaMed	RV	>>>	2	4,2	Positive			
(159) Grifols	RV	>>>	18	38	Positive			
(172) Immucor	RV	>>>	5	10	Positive			
(173) Sanguin	RV	>>>	4	8,3	Positive			
(174) IVT Imuno	RV	>>>	1	2,1	Positive			
(203) ANTITOXIN	RV	>>>	2	4,2	Positive			
<b>(722) Antigen M</b>			46			46	46	100
<b>Samples E1 and S1</b>			46			46	46	100
(6) APR	RV	>>>	1	2,2	Positive			
(14) Bio-Rad	RV	>>>	12	26	Positive			
(52) Dynex	RV	>>>	1	2,2	Positive			
(64) Exbio Olomouc	RV	>>>	1	2,2	Positive			
(80) DiaMed	RV	>>>	3	6,5	Positive			
(159) Grifols	RV	>>>	14	30	Positive			
(172) Immucor	RV	>>>	7	15	Positive			
(173) Sanguin	RV	>>>	3	6,5	Positive			
(183) Immunodiagnostic Systems	RV	>>>	1	2,2	Positive			
(203) ANTITOXIN	RV	>>>	3	6,5	Positive			
<b>Samples E2 and S2</b>			46			46	46	100
(6) APR	RV	>>>	1	2,2	Positive			
(14) Bio-Rad	RV	>>>	12	26	Positive			
(52) Dynex	RV	>>>	1	2,2	Positive			
(64) Exbio Olomouc	RV	>>>	1	2,2	Positive			
(80) DiaMed	RV	>>>	3	6,5	Positive			
(159) Grifols	RV	>>>	14	30	Positive			
(172) Immucor	RV	>>>	7	15	Positive			
(173) Sanguin	RV	>>>	3	6,5	Positive			
(183) Immunodiagnostic Systems	RV	>>>	1	2,2	Positive			
(203) ANTITOXIN	RV	>>>	3	6,5	Positive			
<b>(723) Antigen N</b>			44			44	43	98
<b>Samples E1 and S1</b>			44			44	43	98
(6) APR	RV	>>>	1	2,3	Positive			
(14) Bio-Rad			1	2,3	Negative			
(52) Dynex	RV	>>>	11	25	Positive			
(64) Exbio Olomouc	RV	>>>	1	2,3	Positive			

**Summary statistics - qualitative results****EQA round: IH1/23 - Blood Group Serology**

Deadline: 10.3.2023

Setup: groups - manufacturer of kit

Test Sample Group	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Frequency of the results		N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
				Result				
(80) DiaMed	RV	>>>	3	6,8	Positive			
(159) Grifols	RV	>>>	14	32	Positive			
(171) Diagast	RV	>>>	1	2,3	Positive			
(172) Immucor	RV	>>>	6	14	Positive			
(173) Sanguin	RV	>>>	2	4,5	Positive			
(183) Immunodiagnostic Systems	RV	>>>	1	2,3	Positive			
(203) ANTITOXIN	RV	>>>	2	4,5	Positive			
<b>Samples E2 and S2</b>		44				44	43	98
(6) APR	RV	>>>	1	2,3	Positive			
(14) Bio-Rad			1	2,3	Negative			
	RV	>>>	11	25	Positive			
(52) Dynex	RV	>>>	1	2,3	Positive			
(64) Exbio Olomouc	RV	>>>	1	2,3	Positive			
(80) DiaMed	RV	>>>	3	6,8	Positive			
(159) Grifols	RV	>>>	14	32	Positive			
(171) Diagast	RV	>>>	1	2,3	Positive			
(172) Immucor	RV	>>>	6	14	Positive			
(173) Sanguin	RV	>>>	2	4,5	Positive			
(183) Immunodiagnostic Systems	RV	>>>	1	2,3	Positive			
(203) ANTITOXIN	RV	>>>	2	4,5	Positive			
<b>(724) Antigen S</b>		47				47	47	100
<b>Samples E1 and S1</b>		47				47	47	100
(6) APR	RV	>>>	1	2,1	Negative			
(14) Bio-Rad	RV	>>>	12	26	Negative			
(64) Exbio Olomouc	RV	>>>	2	4,3	Negative			
(80) DiaMed	RV	>>>	3	6,4	Negative			
(159) Grifols	RV	>>>	17	36	Negative			
(172) Immucor	RV	>>>	6	13	Negative			
(173) Sanguin	RV	>>>	3	6,4	Negative			
(203) ANTITOXIN	RV	>>>	3	6,4	Negative			
<b>Samples E2 and S2</b>		47				47	47	100
(6) APR	RV	>>>	1	2,1	Negative			
(14) Bio-Rad	RV	>>>	12	26	Negative			
(64) Exbio Olomouc	RV	>>>	2	4,3	Negative			
(80) DiaMed	RV	>>>	3	6,4	Negative			
(159) Grifols	RV	>>>	17	36	Negative			
(172) Immucor	RV	>>>	6	13	Negative			
(173) Sanguin	RV	>>>	3	6,4	Negative			
(203) ANTITOXIN	RV	>>>	3	6,4	Negative			
<b>(725) Antigen s</b>		47				47	47	100
<b>Samples E1 and S1</b>		47				47	47	100
(6) APR	RV	>>>	1	2,1	Positive			
(14) Bio-Rad	RV	>>>	12	26	Positive			
(64) Exbio Olomouc	RV	>>>	2	4,3	Positive			
(80) DiaMed	RV	>>>	3	6,4	Positive			
(159) Grifols	RV	>>>	17	36	Positive			
(172) Immucor	RV	>>>	5	11	Positive			
(173) Sanguin	RV	>>>	4	8,5	Positive			
(203) ANTITOXIN	RV	>>>	2	4,3	Positive			
(999) another manufacturer	RV	>>>	1	2,1	Positive			
<b>Samples E2 and S2</b>		47				47	47	100
(6) APR	RV	>>>	1	2,1	Positive			
(14) Bio-Rad	RV	>>>	12	26	Positive			
(64) Exbio Olomouc	RV	>>>	2	4,3	Positive			
(80) DiaMed	RV	>>>	3	6,4	Positive			
(159) Grifols	RV	>>>	17	36	Positive			
(172) Immucor	RV	>>>	5	11	Positive			
(173) Sanguin	RV	>>>	4	8,5	Positive			
(203) ANTITOXIN	RV	>>>	2	4,3	Positive			
(999) another manufacturer	RV	>>>	1	2,1	Positive			
<b>(733) Antigen Le<sup>a</sup></b>		37				37	37	100
<b>Samples E1 and S1</b>		37				37	37	100
(0) not specified	RV	>>>	1	2,7	Negative			
(14) Bio-Rad	RV	>>>	12	32	Negative			
(52) Dynex	RV	>>>	2	5,4	Negative			
(64) Exbio Olomouc	RV	>>>	1	2,7	Negative			
(80) DiaMed	RV	>>>	1	2,7	Negative			
(159) Grifols	RV	>>>	10	27	Negative			
(172) Immucor	RV	>>>	4	11	Negative			

**Summary statistics - qualitative results****EQA round: IH1/23 - Blood Group Serology**

Deadline: 10.3.2023

Setup: groups - manufacturer of kit

Test Sample Group	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Frequency of the results		N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
				Result				
(173) Sanguin	RV >>>	1	2,7	Negative				
(174) IVT Imuno	RV >>>	1	2,7	Negative				
(183) Immunodiagnostic Systems	RV >>>	1	2,7	Negative				
(203) ANTITOXIN	RV >>>	3	8,1	Negative				
<b>Samples E2 and S2</b>		37				37	37	100
(0) not specified	RV >>>	1	2,7	Negative				
(14) Bio-Rad	RV >>>	12	32	Negative				
(52) Dynex	RV >>>	2	5,4	Negative				
(64) Exbio Olomouc	RV >>>	1	2,7	Negative				
(80) DiaMed	RV >>>	1	2,7	Negative				
(159) Grifols	RV >>>	10	27	Negative				
(172) Immucor	RV >>>	4	11	Negative				
(173) Sanguin	RV >>>	1	2,7	Negative				
(174) IVT Imuno	RV >>>	1	2,7	Negative				
(183) Immunodiagnostic Systems	RV >>>	1	2,7	Negative				
(203) ANTITOXIN	RV >>>	3	8,1	Negative				
<b>(734) Antigen Le<sup>b</sup></b>		37				37	32	86
<b>Samples E1 and S1</b>		37				37	32	86
(0) not specified		1	2,7	Negative				
(14) Bio-Rad	RV >>>	12	32	Positive				
(52) Dynex	RV >>>	2	5,4	Positive				
(64) Exbio Olomouc	RV >>>	1	2,7	Positive				
(80) DiaMed	RV >>>	1	2,7	Positive				
(159) Grifols		2	5,4	Negative				
	RV >>>	9	24	Positive				
(172) Immucor		1	2,7	Negative				
	RV >>>	3	8,1	Positive				
(173) Sanguin	RV >>>	1	2,7	Positive				
(174) IVT Imuno		1	2,7	Negative				
(183) Immunodiagnostic Systems	RV >>>	1	2,7	Positive				
(203) ANTITOXIN	RV >>>	2	5,4	Positive				
<b>Samples E2 and S2</b>		37				37	37	100
(0) not specified	RV >>>	1	2,7	Positive				
(14) Bio-Rad	RV >>>	12	32	Positive				
(52) Dynex	RV >>>	2	5,4	Positive				
(64) Exbio Olomouc	RV >>>	1	2,7	Positive				
(80) DiaMed	RV >>>	1	2,7	Positive				
(159) Grifols	RV >>>	11	30	Positive				
(172) Immucor	RV >>>	4	11	Positive				
(173) Sanguin	RV >>>	1	2,7	Positive				
(174) IVT Imuno	RV >>>	1	2,7	Positive				
(183) Immunodiagnostic Systems	RV >>>	1	2,7	Positive				
(203) ANTITOXIN	RV >>>	2	5,4	Positive				
<b>(731) Antigen Lu<sup>a</sup></b>		33				33	32	97
<b>Samples E1 and S1</b>		33				33	33	100
(14) Bio-Rad	RV >>>	9	27	Negative				
(64) Exbio Olomouc	RV >>>	2	6,1	Negative				
(80) DiaMed	RV >>>	1	3	Negative				
(159) Grifols	RV >>>	16	48	Negative				
(172) Immucor	RV >>>	2	6,1	Negative				
(183) Immunodiagnostic Systems	RV >>>	2	6,1	Negative				
(999) another manufacturer	RV >>>	1	3	Negative				
<b>Samples E2 and S2</b>		33				33	32	97
(14) Bio-Rad		1	3	Negative				
	RV >>>	8	24	Positive				
(64) Exbio Olomouc	RV >>>	2	6,1	Positive				
(80) DiaMed	RV >>>	1	3	Positive				
(159) Grifols	RV >>>	16	48	Positive				
(172) Immucor	RV >>>	2	6,1	Positive				
(183) Immunodiagnostic Systems	RV >>>	2	6,1	Positive				
(999) another manufacturer	RV >>>	1	3	Positive				
<b>(732) Antigen Lu<sup>b</sup></b>		31				31	30	97
<b>Samples E1 and S1</b>		31				31	30	97
(14) Bio-Rad	RV >>>	7	23	Positive				
(64) Exbio Olomouc	RV >>>	2	6,5	Positive				
(80) DiaMed	RV >>>	1	3,2	Positive				
(159) Grifols		1	3,2	Negative				
	RV >>>	13	42	Positive				
(172) Immucor	RV >>>	2	6,5	Positive				

**Summary statistics - qualitative results****EQA round: IH1/23 - Blood Group Serology**

Deadline: 10.3.2023

Setup: groups - manufacturer of kit

Test Sample Group	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Frequency of the results		Success N <sub>eva</sub> N <sub>suc</sub> S <sub>rel</sub> [%]
				Result		
(173) Sanguin	RV	>>>	1	3,2	Positive	
(183) Immunodiagnostic Systems	RV	>>>	1	3,2	Positive	
(203) ANTITOXIN	RV	>>>	2	6,5	Positive	
(999) another manufacturer	RV	>>>	1	3,2	Positive	
<b>Samples E2 and S2</b>		31				31 31 100
(14) Bio-Rad	RV	>>>	7	23	Positive	
(64) Exbio Olomouc	RV	>>>	2	6,5	Positive	
(80) DiaMed	RV	>>>	1	3,2	Positive	
(159) Grifols	RV	>>>	14	45	Positive	
(172) Immucor	RV	>>>	2	6,5	Positive	
(173) Sanguin	RV	>>>	1	3,2	Positive	
(183) Immunodiagnostic Systems	RV	>>>	1	3,2	Positive	
(203) ANTITOXIN	RV	>>>	2	6,5	Positive	
(999) another manufacturer	RV	>>>	1	3,2	Positive	
<b>(726) Antigen P1</b>		35				35 34 97
<b>Samples E1 and S1</b>		35				35 34 97
(6) APR	RV	>>>	1	2,9	Positive	
(14) Bio-Rad	RV	>>>	10	29	Positive	
(64) Exbio Olomouc	RV	>>>	2	5,7	Positive	
(80) DiaMed	RV	>>>	2	5,7	Positive	
(159) Grifols			1	2,9	Negative	
	RV	>>>	8	23	Positive	
(172) Immucor	RV	>>>	4	11	Positive	
(173) Sanguin	RV	>>>	4	11	Positive	
(174) IVT Imuno	RV	>>>	1	2,9	Positive	
(183) Immunodiagnostic Systems	RV	>>>	1	2,9	Positive	
(203) ANTITOXIN	RV	>>>	1	2,9	Positive	
<b>Samples E2 and S2</b>		35				35 35 100
(6) APR	RV	>>>	1	2,9	Positive	
(14) Bio-Rad	RV	>>>	10	29	Positive	
(64) Exbio Olomouc	RV	>>>	2	5,7	Positive	
(80) DiaMed	RV	>>>	2	5,7	Positive	
(159) Grifols	RV	>>>	9	26	Positive	
(172) Immucor	RV	>>>	4	11	Positive	
(173) Sanguin	RV	>>>	4	11	Positive	
(174) IVT Imuno	RV	>>>	1	2,9	Positive	
(183) Immunodiagnostic Systems	RV	>>>	1	2,9	Positive	
(203) ANTITOXIN	RV	>>>	1	2,9	Positive	
<b>(740) Antigen Wr<sup>a</sup></b>		5				5 5 100
<b>Samples E1 and S1</b>		5				5 5 100
(159) Grifols	RV	>>>	1	20	Negative	
(172) Immucor	RV	>>>	1	20	Negative	
(173) Sanguin	RV	>>>	3	60	Negative	
<b>Samples E2 and S2</b>		5				5 5 100
(159) Grifols	RV	>>>	1	20	Negative	
(172) Immucor	RV	>>>	1	20	Negative	
(173) Sanguin	RV	>>>	3	60	Negative	
<b>(737) Direct Coombs (antiglobulin) test</b>		147				147 144 98
<b>Samples E1 and S1</b>		147				147 144 98
(14) Bio-Rad	RV	>>>	69	47	Negative	
(40) Ortho Clinical Diagnostics	RV	>>>	1	0,7	Negative	
(64) Exbio Olomouc	RV	>>>	2	1,4	Negative	
(80) DiaMed	RV	>>>	17	12	Negative	
(159) Grifols	RV	>>>	52	35	Negative	
			3	2	Positive	
(172) Immucor	RV	>>>	2	1,4	Negative	
(203) ANTITOXIN	RV	>>>	1	0,7	Negative	
<b>Samples E2 and S2</b>		147				147 146 99
(14) Bio-Rad	RV	>>>	69	47	Negative	
(40) Ortho Clinical Diagnostics	RV	>>>	1	0,7	Negative	
(64) Exbio Olomouc	RV	>>>	2	1,4	Negative	
(80) DiaMed	RV	>>>	17	12	Negative	
(159) Grifols	RV	>>>	54	37	Negative	
			1	0,7	Positive	
(172) Immucor	RV	>>>	2	1,4	Negative	
(203) ANTITOXIN	RV	>>>	1	0,7	Negative	
<b>(741) Antibody screening (IAT, blood donor)</b>		93				93 92 99
<b>Samples E1 and S1</b>		93				93 92 99
(0) not specified			1	1,1	Not specified	

**Summary statistics - qualitative results****EQA round: IH1/23 - Blood Group Serology**

Deadline: 10.3.2023

Setup: groups - manufacturer of kit

Test Sample Group	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Frequency of the results		Success N <sub>eva</sub> N <sub>suc</sub> S <sub>rel</sub> [%]
				Result		
(14) Bio-Rad	RV	>>>	43	46	Positive	
(64) Exbio Olomouc	RV	>>>	1	1,1	Positive	
(80) DiaMed	RV	>>>	10	11	Positive	
(159) Grifols	RV	>>>	28	30	Positive	
(171) Diagast	RV	>>>	2	2,2	Positive	
(172) Immucor	RV	>>>	8	8,6	Positive	
<b>Samples E2 and S2</b>		93				93 93 100
(0) not specified	RV	>>>	1	1,1	Positive	
(14) Bio-Rad		>	33	35	Negative	
	RV	>>>	10	11	Positive	
(64) Exbio Olomouc	RV	>>>	1	1,1	Positive	
(80) DiaMed		>	5	5,4	Negative	
	RV	>>>	5	5,4	Positive	
(159) Grifols		>	1	1,1	Negative	
	RV	>>>	27	29	Positive	
(171) Diagast	RV	>>>	2	2,2	Positive	
(172) Immucor		>	1	1,1	Negative	
	RV	>>>	7	7,5	Positive	
<b>(743) Antibody screening (IAT, recipient)</b>		166				166 166 100
<b>Samples E1 and S1</b>		166				166 166 100
(14) Bio-Rad	RV	>>>	75	45	Positive	
(40) Ortho Clinical Diagnostics	RV	>>>	1	0,6	Positive	
(80) DiaMed	RV	>>>	18	11	Positive	
(159) Grifols	RV	>>>	66	40	Positive	
(172) Immucor	RV	>>>	6	3,6	Positive	
<b>Samples E2 and S2</b>		166				166 166 100
(14) Bio-Rad		>	43	26	Negative	
	RV	>>>	32	19	Positive	
(40) Ortho Clinical Diagnostics	RV	>>>	1	0,6	Positive	
(80) DiaMed		>	9	5,4	Negative	
	RV	>>>	9	5,4	Positive	
(159) Grifols		>	2	1,2	Negative	
	RV	>>>	64	39	Positive	
(172) Immucor	RV	>>>	6	3,6	Positive	
<b>(745) Antibody screening (IAT, pregnant)</b>		135				135 135 100
<b>Samples E1 and S1</b>		135				135 135 100
(0) not specified	RV	>>>	1	0,7	Positive	
(14) Bio-Rad	RV	>>>	56	41	Positive	
(40) Ortho Clinical Diagnostics	RV	>>>	1	0,7	Positive	
(64) Exbio Olomouc	RV	>>>	1	0,7	Positive	
(80) DiaMed	RV	>>>	14	10	Positive	
(159) Grifols	RV	>>>	58	43	Positive	
(172) Immucor	RV	>>>	4	3	Positive	
<b>Samples E2 and S2</b>		135				135 135 100
(0) not specified	RV	>>>	1	0,7	Positive	
(14) Bio-Rad		>	30	22	Negative	
	RV	>>>	26	19	Positive	
(40) Ortho Clinical Diagnostics	RV	>>>	1	0,7	Positive	
(64) Exbio Olomouc	RV	>>>	1	0,7	Positive	
(80) DiaMed		>	7	5,2	Negative	
	RV	>>>	7	5,2	Positive	
(159) Grifols		>	2	1,5	Negative	
	RV	>>>	56	41	Positive	
(172) Immucor	RV	>>>	4	3	Positive	
<b>(747) Antibody screening (enzyme test)</b>		104				104 103 99
<b>Samples E1 and S1</b>		104				104 103 99
(0) not specified	RV	>>>	1	1	Positive	
(14) Bio-Rad			1	1	Negative	
	RV	>>>	48	46	Positive	
(40) Ortho Clinical Diagnostics	RV	>>>	1	1	Positive	
(80) DiaMed	RV	>>>	11	11	Positive	
(159) Grifols	RV	>>>	41	39	Positive	
(172) Immucor	RV	>>>	1	1	Positive	
<b>Samples E2 and S2</b>		104				104 104 100
(0) not specified		>	1	1	Negative	
(14) Bio-Rad		>	22	21	Negative	
	RV	>>>	27	26	Positive	
(40) Ortho Clinical Diagnostics	RV	>>>	1	1	Positive	
(80) DiaMed		>	3	2,9	Negative	

**Summary statistics - qualitative results****EQA round: IH1/23 - Blood Group Serology**

Deadline: 10.3.2023

Setup: groups - manufacturer of kit

Test Sample Group	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Frequency of the results		N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
				Result				
(159) Grifols	RV	>>>	8	7,7	Positive			
(172) Immucor	RV	>>>	41	39	Positive			
		>	1	1	Negative			
<b>(750) Antibody identification</b>		51				51	48	94
<b>Samples E1 and S1</b>		51				51	51	100
(0) not specified		>	12	24	anti-D			
	RV	>>>	39	76	anti-D; anti-Kpa			
<b>Samples E2 and S2</b>		51				51	48	94
(0) not specified			2	3,9	Not specified			
	RV	>>>	48	94	anti-Jkb			
			1	2	anti-Lua			
<b>(752) Antibody titre, Sample 1: 1st antibody</b>		43					0	
<b>Samples E1 and S1</b>		43					0	
(0) not specified		±	1	2,3	titre 8			
		±	13	30	titre 16			
		±	10	23	titre 32			
		±	15	35	titre 64			
		±	4	9,3	titre 128			
<b>(753) Antibody titre, Sample 1: 2nd antibody</b>		30					0	
<b>Samples E1 and S1</b>		30					0	
(0) not specified		±	4	13	titre 0 (not measurable)			
		±	23	77	titre 1			
		±	3	10	titre 2			
<b>(756) Antibody titre, Sample 2: 1st antibody</b>		37					0	
<b>Samples E2 and S2</b>		37					0	
(0) not specified		±	10	27	titre 0 (not measurable)			
		±	19	51	titre 1			
		±	7	19	titre 2			
		±	1	2,7	titre 4			
<b>Set 3</b>								
<b>(760) Crossmatch</b>		137				137	117	85
<b>Sample S1</b>		137				137	117	85
All results			20	15	Crossmatch not successful			
	RV	>>>	117	85	Crossmatch successful			
<b>Sample S2</b>		137				137	137	100
All results		RV	>>>	137	100	Crossmatch successful		
<b>(761) Crossmatch (segment K1)</b>		137				137	117	85
<b>Sample S1</b>		137				137	117	85
(0) not specified			20	15	Negative test			
	RV	>>>	117	85	Positive test			
<b>Sample S2</b>		137				137	137	100
(0) not specified		RV	>>>	122	89	Negative test		
	RV	>>>	15	11	Positive test			
<b>(762) Serve transfusion product? (segment K1) (transfusion in non-emergency mode)</b>		137					0	
<b>Sample S1</b>		137					0	
(0) not specified		±	114	83	Impossible, risk of haemolysis			
		±	11	8	Decision depends on results of other tests not performed in our laboratory			
		±	6	4,4	Only if more suitable products are not available			
		±	6	4,4	Possible			
<b>Sample S2</b>		137					0	
(0) not specified		±	45	33	Impossible, risk of haemolysis			
		±	52	38	Decision depends on results of other tests not performed in our laboratory			
		±	6	4,4	Only if more suitable products are not available			
		±	34	25	Possible			
<b>(764) Crossmatch (segment K2)</b>		137				137	137	100
<b>Sample S1</b>		137				137	137	100
(0) not specified		RV	>>>	137	100	Positive test		
<b>Sample S2</b>		137				137	137	100
(0) not specified		RV	>>>	137	100	Negative test		
<b>(765) Serve transfusion product? (segment K2) (transfusion in non-emergency mode)</b>		137					0	
<b>Sample S1</b>		137					0	
(0) not specified		±	136	99	Impossible, risk of haemolysis			

**Summary statistics - qualitative results****EQA round: IH1/23 - Blood Group Serology**

Deadline: 10.3.2023

Setup: groups - manufacturer of kit

Test Sample Group	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Frequency of the results		Success N <sub>eva</sub> N <sub>suc</sub> S <sub>rel</sub> [%]
				Result		
	±	1	0,7	Decision depends on results of other tests not performed in our laboratory		
<b>Sample S2</b>		137				0
(0) not specified	±	3	2,2	Impossible, risk of haemolysis		
	±	54	39	Decision depends on results of other tests not performed in our laboratory		
	±	17	12	Only if more suitable products are not available		
	±	63	46	Possible		