

EQA round: DGP1/25 - Urine Strip Tests Analysis

Deadline: 14.2.2025

Setup: groups - R (strip manufacturer)

AV = assigned value	N _{tot} = total number of the results	N _{eva} = number of the results assessed
CVP = consensus of all participants	N _{rel} = relative number of the results	N _{suc} = number of successful results
CVPG = consensus of the participants' groups		S _{rel} = relative success
>>> ... expected result		
> ... acceptable result		
± ... result not assessed		

Test Sample Group	AV	N _{tot}	Frequency of the results			Success		
			N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]	
(268) Bilirubin		294				270	266	99
Sample A		294				294	292	99
(5) Dialab	CVP >>>	3	1	Negative				
(12) Beckman Coulter	CVP >>>	10	3,4	Negative				
(18) Cormay	CVP >>>	1	0,3	Negative				
(46) Erba Lachema	CVP >>>	42	14	Negative				
(49) BioVendor	CVP >>>	11	3,7	Negative				
(60) Roche	CVP >>>	25	8,5	Negative				
(63) Sysmex	CVP >>>	23	7,8	Negative				
(150) Arkray	CVP >>>	9	3,1	Negative				
(161) YD Diagnostics	CVP >>>	1	0,3	Negative				
(162) Siemens (Atellica)	CVP >>>	6	2	Negative				
(177) Mindray	CVP >>>	1	0,3	Negative				
(179) Siemens	CVP >>>	42	14	Negative				
(197) Analyticon	CVP >>>	1	0,3	Negative				
(201) Iris Diagnostics	CVP >>>	14	4,8	Negative				
(202) Dirui	CVP >>>	75	26	Negative				
		1	0,3	1+, 2+				
		1	0,3	3+, 4+				
(207) 77 Elektronika Kft.	CVP >>>	22	7,5	Negative				
(999) another manufacturer	CVP >>>	6	2	Negative				
Sample B		294			270	267	99	
(5) Dialab	CVP >>>	3	1	3+, 4+				
(12) Beckman Coulter; (223) Beckman Coulter iChem Velocity / DxU 810c Iris	±	6	2	Negative				
	±	3	1	1+, 2+				
	±	1	0,3	3+, 4+				
(18) Cormay	CVP >>>	1	0,3	3+, 4+				
(46) Erba Lachema		1	0,3	Not specified				
	>	1	0,3	1+, 2+				
	CVP >>>	40	14	3+, 4+				
(49) BioVendor	CVP >>>	11	3,7	3+, 4+				
(60) Roche	>	1	0,3	1+, 2+				
	CVP >>>	24	8,2	3+, 4+				
(63) Sysmex		1	0,3	Negative				
	CVP >>>	22	7,5	3+, 4+				
(150) Arkray	CVP >>>	9	3,1	3+, 4+				
(161) YD Diagnostics	>	1	0,3	1+, 2+				
(162) Siemens (Atellica)	>	1	0,3	1+, 2+				
	CVP >>>	5	1,7	3+, 4+				
(177) Mindray	CVP >>>	1	0,3	3+, 4+				
(179) Siemens	>	5	1,7	1+, 2+				
	CVP >>>	37	13	3+, 4+				
(197) Analyticon	CVP >>>	1	0,3	3+, 4+				
(201) Iris Diagnostics; (223) Beckman Coulter iChem Velocity / DxU 810c Iris	±	13	4,4	Negative				
	±	1	0,3	1+, 2+				
(202) Dirui		1	0,3	Negative				
	CVP >>>	76	26	3+, 4+				
(207) 77 Elektronika Kft.	CVP >>>	22	7,5	3+, 4+				
(999) another manufacturer	CVP >>>	6	2	3+, 4+				
(264) Total protein		296			296	292	99	
Sample A		296			296	295	100	
(5) Dialab	CVP >>>	3	1	Negative, < 0,3 g/L				
(12) Beckman Coulter	CVP >>>	10	3,4	Negative, < 0,3 g/L				
(18) Cormay	CVP >>>	1	0,3	Negative, < 0,3 g/L				
(46) Erba Lachema	CVP >>>	43	15	Negative, < 0,3 g/L				
(49) BioVendor	CVP >>>	11	3,7	Negative, < 0,3 g/L				
(60) Roche	CVP >>>	25	8,4	Negative, < 0,3 g/L				
(63) Sysmex	CVP >>>	25	8,4	Negative, < 0,3 g/L				
(150) Arkray	CVP >>>	9	3	Negative, < 0,3 g/L				
(161) YD Diagnostics	CVP >>>	1	0,3	Negative, < 0,3 g/L				
(162) Siemens (Atellica)	CVP >>>	6	2	Negative, < 0,3 g/L				

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Test Sample Group	AV	N _{tot}	Frequency of the results		Success		
			N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
(177) Mindray	CVP >>>	1	0,3	Negative, < 0,3 g/L			
(179) Siemens	CVP >>>	42	14	Negative, < 0,3 g/L			
(197) Analyticon	CVP >>>	1	0,3	Negative, < 0,3 g/L			
(201) Iris Diagnostics	CVP >>>	14	4,7	Negative, < 0,3 g/L			
(202) Dirui	CVP >>>	76	26	Negative, < 0,3 g/L			
		1	0,3	> 2,5 g/L			
(207) 77 Elektronika Kft.	CVP >>>	22	7,4	Negative, < 0,3 g/L			
(999) another manufacturer	CVP >>>	5	1,7	Negative, < 0,3 g/L			
Sample B		296			296	292	99
(5) Dialab	CVP >>>	2	0,7	0,51 - 2,5 g/L			
	CVP >>>	1	0,3	> 2,5 g/L			
(12) Beckman Coulter	CVP >>>	9	3	0,51 - 2,5 g/L			
	CVP >>>	1	0,3	> 2,5 g/L			
(18) Cormay	CVP >>>	1	0,3	> 2,5 g/L			
(46) Erba Lachema	CVP >>>	30	10	0,51 - 2,5 g/L			
	CVP >>>	13	4,4	> 2,5 g/L			
(49) BioVendor	>	10	3,4	0,3 - 0,5 g/L			
	CVP >>>	1	0,3	0,51 - 2,5 g/L			
(60) Roche	>	1	0,3	0,3 - 0,5 g/L			
	CVP >>>	15	5,1	0,51 - 2,5 g/L			
	CVP >>>	9	3	> 2,5 g/L			
(63) Sysmex	CVP >>>	23	7,8	0,51 - 2,5 g/L			
	CVP >>>	2	0,7	> 2,5 g/L			
(150) Arkray	CVP >>>	8	2,7	0,51 - 2,5 g/L			
	CVP >>>	1	0,3	> 2,5 g/L			
(161) YD Diagnostics	CVP >>>	1	0,3	> 2,5 g/L			
(162) Siemens (Atellica)	>	1	0,3	0,3 - 0,5 g/L			
	CVP >>>	5	1,7	0,51 - 2,5 g/L			
(177) Mindray	CVP >>>	1	0,3	0,51 - 2,5 g/L			
(179) Siemens	>	1	0,3	0,3 - 0,5 g/L			
	CVP >>>	26	8,8	0,51 - 2,5 g/L			
	CVP >>>	15	5,1	> 2,5 g/L			
(197) Analyticon	CVP >>>	1	0,3	0,51 - 2,5 g/L			
(201) Iris Diagnostics	>	1	0,3	0,3 - 0,5 g/L			
	CVP >>>	13	4,4	0,51 - 2,5 g/L			
(202) Dirui		1	0,3	Negative, < 0,3 g/L			
	>	7	2,4	0,3 - 0,5 g/L			
	CVP >>>	25	8,4	0,51 - 2,5 g/L			
	CVP >>>	44	15	> 2,5 g/L			
(207) 77 Elektronika Kft.		2	0,7	Negative, < 0,3 g/L			
	>	11	3,7	0,3 - 0,5 g/L			
	CVP >>>	8	2,7	0,51 - 2,5 g/L			
	CVP >>>	1	0,3	> 2,5 g/L			
(999) another manufacturer		1	0,3	Negative, < 0,3 g/L			
	>	3	1	0,3 - 0,5 g/L			
	CVP >>>	1	0,3	0,51 - 2,5 g/L			
(261) Glucose		297			297	295	99
Sample A		297			297	296	100
(5) Dialab	CVP >>>	3	1	Negative, normal, <= 2,8 mmol/L			
(12) Beckman Coulter	CVP >>>	10	3,4	Negative, normal, <= 2,8 mmol/L			
(18) Cormay	CVP >>>	1	0,3	Negative, normal, <= 2,8 mmol/L			
(46) Erba Lachema	CVP >>>	43	14	Negative, normal, <= 2,8 mmol/L			
(49) BioVendor	CVP >>>	11	3,7	Negative, normal, <= 2,8 mmol/L			
(60) Roche	CVP >>>	25	8,4	Negative, normal, <= 2,8 mmol/L			
(63) Sysmex	CVP >>>	25	8,4	Negative, normal, <= 2,8 mmol/L			
(150) Arkray	CVP >>>	8	2,7	Negative, normal, <= 2,8 mmol/L			
(161) YD Diagnostics	CVP >>>	1	0,3	Negative, normal, <= 2,8 mmol/L			
(162) Siemens (Atellica)	CVP >>>	6	2	Negative, normal, <= 2,8 mmol/L			
(177) Mindray	CVP >>>	1	0,3	Negative, normal, <= 2,8 mmol/L			
(179) Siemens	CVP >>>	42	14	Negative, normal, <= 2,8 mmol/L			
(197) Analyticon	CVP >>>	1	0,3	Negative, normal, <= 2,8 mmol/L			
(199) Eurolab Lambda	CVP >>>	1	0,3	Negative, normal, <= 2,8 mmol/L			
(201) Iris Diagnostics	CVP >>>	14	4,7	Negative, normal, <= 2,8 mmol/L			
(202) Dirui	CVP >>>	76	26	Negative, normal, <= 2,8 mmol/L			
		1	0,3	11,1 - 28 mmol/L			
(207) 77 Elektronika Kft.	CVP >>>	22	7,4	Negative, normal, <= 2,8 mmol/L			
(999) another manufacturer	CVP >>>	6	2	Negative, normal, <= 2,8 mmol/L			
Sample B		297			297	295	99
(5) Dialab	CVP >>>	3	1	11,1 - 28 mmol/L			

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	AV	N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
(12) Beckman Coulter	>	2	0,7	2,81 - 11 mmol/L			
	CVP >>>	3	1	11,1 - 28 mmol/L			
	CVP >>>	5	1,7	> 28 mmol/L			
(18) Cormay	CVP >>>	1	0,3	> 28 mmol/L			
(46) Erba Lachema	>	1	0,3	2,81 - 11 mmol/L			
	CVP >>>	20	6,7	11,1 - 28 mmol/L			
	CVP >>>	22	7,4	> 28 mmol/L			
(49) BioVendor	CVP >>>	1	0,3	11,1 - 28 mmol/L			
	CVP >>>	10	3,4	> 28 mmol/L			
(60) Roche	CVP >>>	25	8,4	> 28 mmol/L			
(63) Sysmex	CVP >>>	13	4,4	11,1 - 28 mmol/L			
	CVP >>>	12	4	> 28 mmol/L			
(150) Arkray	CVP >>>	5	1,7	11,1 - 28 mmol/L			
	CVP >>>	3	1	> 28 mmol/L			
(161) YD Diagnostics	CVP >>>	1	0,3	11,1 - 28 mmol/L			
(162) Siemens (Atellica)	>	2	0,7	2,81 - 11 mmol/L			
	CVP >>>	4	1,3	11,1 - 28 mmol/L			
(177) Mindray	CVP >>>	1	0,3	> 28 mmol/L			
(179) Siemens	>	6	2	2,81 - 11 mmol/L			
	CVP >>>	23	7,7	11,1 - 28 mmol/L			
	CVP >>>	13	4,4	> 28 mmol/L			
(197) Analyticon	CVP >>>	1	0,3	> 28 mmol/L			
(199) Eurolab Lambda	CVP >>>	1	0,3	11,1 - 28 mmol/L			
(201) Iris Diagnostics	CVP >>>	4	1,3	11,1 - 28 mmol/L			
	CVP >>>	10	3,4	> 28 mmol/L			
(202) Dirui		2	0,7	Negative, normal, <= 2,8 mmol/L			
	CVP >>>	33	11	11,1 - 28 mmol/L			
	CVP >>>	42	14	> 28 mmol/L			
(207) 77 Elektronika Kft.	CVP >>>	2	0,7	11,1 - 28 mmol/L			
	CVP >>>	20	6,7	> 28 mmol/L			
(999) another manufacturer	CVP >>>	2	0,7	11,1 - 28 mmol/L			
	CVP >>>	4	1,3	> 28 mmol/L			
(275) hCG		10			10	10	100
Sample A		10			10	10	100
(5) Dialab	CVP >>>	2	20	Negative			
(17) Biogema	CVP >>>	1	10	Negative			
(115) BioSystems	CVP >>>	1	10	Negative			
(179) Siemens	CVP >>>	1	10	Negative			
(202) Dirui	CVP >>>	1	10	Negative			
(999) another manufacturer	CVP >>>	4	40	Negative			
Sample B		10			10	10	100
(5) Dialab	CVP >>>	2	20	Positive			
(17) Biogema	CVP >>>	1	10	Positive			
(115) BioSystems	CVP >>>	1	10	Positive			
(179) Siemens	CVP >>>	1	10	Positive			
(202) Dirui	CVP >>>	1	10	Positive			
(999) another manufacturer	CVP >>>	4	40	Positive			
(263) Ketone bodies		296			296	288	97
Sample A		296			296	293	99
(5) Dialab	CVP >>>	3	1	Negative, <= 0,5 mmol/L			
(12) Beckman Coulter	CVP >>>	10	3,4	Negative, <= 0,5 mmol/L			
(18) Cormay	CVP >>>	1	0,3	Negative, <= 0,5 mmol/L			
(46) Erba Lachema	CVP >>>	43	15	Negative, <= 0,5 mmol/L			
(49) BioVendor	CVP >>>	11	3,7	Negative, <= 0,5 mmol/L			
(60) Roche	CVP >>>	25	8,4	Negative, <= 0,5 mmol/L			
(63) Sysmex	CVP >>>	25	8,4	Negative, <= 0,5 mmol/L			
(150) Arkray	CVP >>>	9	3	Negative, <= 0,5 mmol/L			
(161) YD Diagnostics	CVP >>>	1	0,3	Negative, <= 0,5 mmol/L			
(162) Siemens (Atellica)	CVP >>>	6	2	Negative, <= 0,5 mmol/L			
(177) Mindray	CVP >>>	1	0,3	Negative, <= 0,5 mmol/L			
(179) Siemens	CVP >>>	41	14	Negative, <= 0,5 mmol/L			
(197) Analyticon	CVP >>>	1	0,3	Negative, <= 0,5 mmol/L			
(201) Iris Diagnostics		1	0,3	Not specified			
	CVP >>>	13	4,4	Negative, <= 0,5 mmol/L			
(202) Dirui	CVP >>>	75	25	Negative, <= 0,5 mmol/L			
		1	0,3	1+, 2+			
		1	0,3	3+, 4+			
(207) 77 Elektronika Kft.	CVP >>>	22	7,4	Negative, <= 0,5 mmol/L			
(999) another manufacturer	CVP >>>	6	2	Negative, <= 0,5 mmol/L			

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Setup: groups - R (strip manufacturer)

Test Sample Group	AV	N _{tot}	Frequency of the results		Success		
			N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
Sample B		296			296	290	98
(5) Dialab	CVP >>>	3	1	1+, 2+			
(12) Beckman Coulter	CVP >>>	6	2	1+, 2+			
	CVP >>>	4	1,4	3+, 4+			
(18) Cormay	CVP >>>	1	0,3	1+, 2+			
(46) Erba Lachema	CVP >>>	34	11	1+, 2+			
	CVP >>>	9	3	3+, 4+			
(49) BioVendor	CVP >>>	11	3,7	1+, 2+			
(60) Roche	CVP >>>	25	8,4	3+, 4+			
(63) Sysmex	CVP >>>	24	8,1	1+, 2+			
	CVP >>>	1	0,3	3+, 4+			
(150) Arkray	CVP >>>	1	0,3	1+, 2+			
	CVP >>>	8	2,7	3+, 4+			
(161) YD Diagnostics	CVP >>>	1	0,3	1+, 2+			
(162) Siemens (Atellica)	CVP >>>	6	2	1+, 2+			
(177) Mindray	CVP >>>	1	0,3	1+, 2+			
(179) Siemens		5	1,7	Negative, <= 0,5 mmol/L			
	CVP >>>	32	11	1+, 2+			
	CVP >>>	4	1,4	3+, 4+			
(197) Analyticon	CVP >>>	1	0,3	1+, 2+			
(201) Iris Diagnostics	CVP >>>	7	2,4	1+, 2+			
	CVP >>>	7	2,4	3+, 4+			
(202) Dirui		1	0,3	Negative, <= 0,5 mmol/L			
	CVP >>>	18	6,1	1+, 2+			
	CVP >>>	58	20	3+, 4+			
(207) 77 Elektronika Kft.	CVP >>>	19	6,4	1+, 2+			
	CVP >>>	3	1	3+, 4+			
(999) another manufacturer	CVP >>>	6	2	1+, 2+			
(272) Blood		297			297	292	98
Sample A		297			297	293	99
(5) Dialab	CVP >>>	3	1	Negative			
(12) Beckman Coulter	CVP >>>	10	3,4	Negative			
(18) Cormay	CVP >>>	1	0,3	Negative			
(46) Erba Lachema	CVP >>>	43	14	Negative			
(49) BioVendor	CVP >>>	11	3,7	Negative			
(60) Roche	CVP >>>	25	8,4	Negative			
(63) Sysmex	CVP >>>	25	8,4	Negative			
(150) Arkray	CVP >>>	9	3	Negative			
(161) YD Diagnostics	CVP >>>	1	0,3	Negative			
(162) Siemens (Atellica)	CVP >>>	6	2	Negative			
(177) Mindray	CVP >>>	1	0,3	Negative			
(179) Siemens	CVP >>>	41	14	Negative			
		1	0,3	5 - 12 ery/ μ L			
(197) Analyticon	CVP >>>	1	0,3	Negative			
(201) Iris Diagnostics	CVP >>>	13	4,4	Negative			
		1	0,3	5 - 12 ery/ μ L			
(202) Dirui	CVP >>>	76	26	Negative			
		1	0,3	> 50 ery/ μ L			
(207) 77 Elektronika Kft.	CVP >>>	21	7,1	Negative			
		1	0,3	5 - 12 ery/ μ L			
(999) another manufacturer	CVP >>>	6	2	Negative			
Sample B		297			297	295	99
(5) Dialab	CVP >>>	3	1	> 50 ery/ μ L			
(12) Beckman Coulter	>	1	0,3	13 - 50 ery/ μ L			
	CVP >>>	9	3	> 50 ery/ μ L			
(18) Cormay	CVP >>>	1	0,3	> 50 ery/ μ L			
(46) Erba Lachema	>	1	0,3	13 - 50 ery/ μ L			
	CVP >>>	42	14	> 50 ery/ μ L			
(49) BioVendor	CVP >>>	11	3,7	> 50 ery/ μ L			
(60) Roche	>	1	0,3	13 - 50 ery/ μ L			
	CVP >>>	24	8,1	> 50 ery/ μ L			
(63) Sysmex	CVP >>>	25	8,4	> 50 ery/ μ L			
(150) Arkray	>	1	0,3	13 - 50 ery/ μ L			
	CVP >>>	8	2,7	> 50 ery/ μ L			
(161) YD Diagnostics	CVP >>>	1	0,3	> 50 ery/ μ L			
(162) Siemens (Atellica)	>	2	0,7	13 - 50 ery/ μ L			
	CVP >>>	4	1,3	> 50 ery/ μ L			
(177) Mindray	CVP >>>	1	0,3	> 50 ery/ μ L			
(179) Siemens	>	15	5,1	13 - 50 ery/ μ L			

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			N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
	CVP >>>	27	9,1	> 50 ery/ μ L			
(197) Analyticon	CVP >>>	1	0,3	> 50 ery/ μ L			
(201) Iris Diagnostics		1	0,3	5 - 12 ery/ μ L			
	>	2	0,7	13 - 50 ery/ μ L			
	CVP >>>	11	3,7	> 50 ery/ μ L			
(202) Dirui		1	0,3	Negative			
	>	4	1,3	13 - 50 ery/ μ L			
	CVP >>>	72	24	> 50 ery/ μ L			
(207) 77 Elektronika Kft.	>	2	0,7	13 - 50 ery/ μ L			
	CVP >>>	20	6,7	> 50 ery/ μ L			
(999) another manufacturer	CVP >>>	6	2	> 50 ery/ μ L			
(270) WBC		269			269	260	97
Sample A		269			269	268	100
(5) Dialab	CVP >>>	2	0,7	Negative			
(12) Beckman Coulter	CVP >>>	10	3,7	Negative			
(18) Cormay	CVP >>>	1	0,4	Negative			
(46) Erba Lachema	CVP >>>	20	7,4	Negative			
(49) BioVendor	CVP >>>	11	4,1	Negative			
(60) Roche	CVP >>>	25	9,3	Negative			
(63) Sysmex	CVP >>>	25	9,3	Negative			
(150) Arkray	CVP >>>	10	3,7	Negative			
(162) Siemens (Atellica)	CVP >>>	6	2,2	Negative			
(177) Mindray	CVP >>>	1	0,4	Negative			
(179) Siemens	CVP >>>	41	15	Negative			
(197) Analyticon	CVP >>>	1	0,4	Negative			
(201) Iris Diagnostics	CVP >>>	14	5,2	Negative			
(202) Dirui	CVP >>>	73	27	Negative			
		1	0,4	51 - 250 leu/ μ L			
(207) 77 Elektronika Kft.	CVP >>>	22	8,2	Negative			
(999) another manufacturer	CVP >>>	6	2,2	Negative			
Sample B		269			269	260	97
(5) Dialab	CVP >>>	2	0,7	> 250 leu/ μ L			
(12) Beckman Coulter	>	5	1,9	10 - 50 leu/ μ L			
	CVP >>>	4	1,5	51 - 250 leu/ μ L			
	CVP >>>	1	0,4	> 250 leu/ μ L			
(18) Cormay	CVP >>>	1	0,4	51 - 250 leu/ μ L			
(46) Erba Lachema	CVP >>>	1	0,4	51 - 250 leu/ μ L			
	CVP >>>	19	7,1	> 250 leu/ μ L			
(49) BioVendor	CVP >>>	9	3,3	51 - 250 leu/ μ L			
	CVP >>>	2	0,7	> 250 leu/ μ L			
(60) Roche	>	2	0,7	10 - 50 leu/ μ L			
	CVP >>>	15	5,6	51 - 250 leu/ μ L			
	CVP >>>	8	3	> 250 leu/ μ L			
(63) Sysmex		1	0,4	Negative			
	>	10	3,7	10 - 50 leu/ μ L			
	CVP >>>	13	4,8	51 - 250 leu/ μ L			
	CVP >>>	1	0,4	> 250 leu/ μ L			
(150) Arkray	>	1	0,4	10 - 50 leu/ μ L			
	CVP >>>	9	3,3	> 250 leu/ μ L			
(162) Siemens (Atellica)	>	1	0,4	10 - 50 leu/ μ L			
	CVP >>>	2	0,7	51 - 250 leu/ μ L			
	CVP >>>	3	1,1	> 250 leu/ μ L			
(177) Mindray	>	1	0,4	10 - 50 leu/ μ L			
(179) Siemens	>	1	0,4	10 - 50 leu/ μ L			
	CVP >>>	20	7,4	51 - 250 leu/ μ L			
	CVP >>>	20	7,4	> 250 leu/ μ L			
(197) Analyticon	CVP >>>	1	0,4	51 - 250 leu/ μ L			
(201) Iris Diagnostics		6	2,2	Negative			
	>	8	3	10 - 50 leu/ μ L			
(202) Dirui		1	0,4	Negative			
	>	1	0,4	10 - 50 leu/ μ L			
	CVP >>>	30	11	51 - 250 leu/ μ L			
	CVP >>>	42	16	> 250 leu/ μ L			
(207) 77 Elektronika Kft.		1	0,4	Negative			
	>	1	0,4	10 - 50 leu/ μ L			
	CVP >>>	16	5,9	51 - 250 leu/ μ L			
	CVP >>>	4	1,5	> 250 leu/ μ L			
(999) another manufacturer	CVP >>>	4	1,5	51 - 250 leu/ μ L			
	CVP >>>	2	0,7	> 250 leu/ μ L			

EQA round: DGP1/25 - Urine Strip Tests Analysis

Deadline: 14.2.2025

Setup: groups - R (strip manufacturer)

Test Sample Group	Frequency of the results					Success		
	AV	N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]	
(274) Nitrite		270			270	268	99	
Sample A		270			270	269	100	
(5) Dialab	CVP >>>	3	1,1	Negative				
(12) Beckman Coulter	CVP >>>	10	3,7	Negative				
(18) Cormay	CVP >>>	1	0,4	Negative				
(46) Erba Lachema	CVP >>>	21	7,8	Negative				
(49) BioVendor	CVP >>>	11	4,1	Negative				
(60) Roche	CVP >>>	23	8,5	Negative				
(63) Sysmex	CVP >>>	25	9,3	Negative				
(150) Arkray	CVP >>>	9	3,3	Negative				
(162) Siemens (Atellica)	CVP >>>	6	2,2	Negative				
(177) Mindray	CVP >>>	1	0,4	Negative				
(179) Siemens	CVP >>>	42	16	Negative				
(197) Analyticon	CVP >>>	1	0,4	Negative				
(201) Iris Diagnostics	CVP >>>	14	5,2	Negative				
(202) Dirui	CVP >>>	75	28	Negative				
		1	0,4	Positive				
(207) 77 Elektronika Kft.	CVP >>>	21	7,8	Negative				
(999) another manufacturer	CVP >>>	6	2,2	Negative				
Sample B		270			270	268	99	
(5) Dialab	CVP >>>	3	1,1	Positive				
(12) Beckman Coulter	CVP >>>	10	3,7	Positive				
(18) Cormay	CVP >>>	1	0,4	Positive				
(46) Erba Lachema	CVP >>>	21	7,8	Positive				
(49) BioVendor	CVP >>>	11	4,1	Positive				
(60) Roche	CVP >>>	23	8,5	Positive				
(63) Sysmex	CVP >>>	25	9,3	Positive				
(150) Arkray	CVP >>>	9	3,3	Positive				
(162) Siemens (Atellica)	CVP >>>	6	2,2	Positive				
(177) Mindray	CVP >>>	1	0,4	Positive				
(179) Siemens	CVP >>>	42	16	Positive				
(197) Analyticon	CVP >>>	1	0,4	Positive				
(201) Iris Diagnostics	CVP >>>	14	5,2	Positive				
(202) Dirui	CVP >>>	1	0,4	Negative				
	CVP >>>	75	28	Positive				
(207) 77 Elektronika Kft.	CVP >>>	1	0,4	Negative				
	CVP >>>	20	7,4	Positive				
(999) another manufacturer	CVP >>>	6	2,2	Positive				
(273) pH		297			297	294	99	
Sample A		297			297	295	99	
(5) Dialab	>	3	1	6,0				
(12) Beckman Coulter	CVP >>>	7	2,4	5,0				
	>	3	1	5,5				
(18) Cormay	CVP >>>	1	0,3	5,0				
(46) Erba Lachema	CVP >>>	39	13	5,0				
	>	2	0,7	5,5				
	>	2	0,7	6,0				
(49) BioVendor	CVP >>>	11	3,7	5,0				
(60) Roche	CVP >>>	24	8,1	5,0				
	>	1	0,3	6,0				
(63) Sysmex	CVP >>>	25	8,4	5,0				
(150) Arkray	CVP >>>	7	2,4	5,0				
	>	2	0,7	5,5				
(161) YD Diagnostics	CVP >>>	1	0,3	5,0				
(162) Siemens (Atellica)	CVP >>>	1	0,3	5,0				
	>	4	1,3	5,5				
		1	0,3	6,5				
(177) Mindray	CVP >>>	1	0,3	5,0				
(179) Siemens	CVP >>>	3	1	5,0				
	>	29	9,8	5,5				
	>	10	3,4	6,0				
(197) Analyticon	CVP >>>	1	0,3	5,0				
(201) Iris Diagnostics	CVP >>>	10	3,4	5,0				
	>	4	1,3	5,5				
(202) Dirui	CVP >>>	66	22	5,0				
	>	10	3,4	5,5				
		1	0,3	7,5				
(207) 77 Elektronika Kft.	CVP >>>	20	6,7	5,0				
	>	2	0,7	5,5				

EQA round: DGP1/25 - Urine Strip Tests Analysis

Deadline: 14.2.2025

Setup: groups - R (strip manufacturer)

Test Sample Group	AV	N _{tot}	Frequency of the results			Success		
			N _{rel} [%]	Result		N _{eva}	N _{suc}	S _{rel} [%]
(999) another manufacturer	CVP >>>	6	2	5,0				
Sample B		297				297	295	99
(5) Dialab	CVP >>>	1	0,3	7,5				
	CVP >>>	2	0,7	8,0				
(12) Beckman Coulter	>	1	0,3	6,5				
	>	7	2,4	7,0				
	CVP >>>	1	0,3	7,5				
	CVP >>>	1	0,3	8,0				
(18) Cormay	CVP >>>	1	0,3	8,0				
(46) Erba Lachema	>	19	6,4	7,0				
	CVP >>>	4	1,3	7,5				
	CVP >>>	15	5,1	8,0				
	>	5	1,7	9,0				
(49) BioVendor	>	10	3,4	6,5				
	>	1	0,3	7,0				
(60) Roche	CVP >>>	25	8,4	8,0				
(63) Sysmex	CVP >>>	4	1,3	7,5				
	CVP >>>	21	7,1	8,0				
(150) Arkray	>	1	0,3	7,0				
	CVP >>>	7	2,4	8,0				
	>	1	0,3	8,5				
(161) YD Diagnostics	CVP >>>	1	0,3	7,5				
(162) Siemens (Atellica)	>	1	0,3	7,0				
	CVP >>>	5	1,7	7,5				
(177) Mindray	>	1	0,3	9,0				
(179) Siemens	>	5	1,7	7,0				
	CVP >>>	27	9,1	7,5				
	CVP >>>	9	3	8,0				
	>	1	0,3	8,5				
(197) Analyticon	>	1	0,3	7,0				
(201) Iris Diagnostics	>	1	0,3	6,5				
	>	12	4	7,0				
	CVP >>>	1	0,3	7,5				
(202) Dirui		1	0,3	5,5				
		1	0,3	6,0				
	>	2	0,7	6,5				
	>	2	0,7	7,0				
	CVP >>>	53	18	7,5				
	CVP >>>	18	6,1	8,0				
(207) 77 Elektronika Kft.	>	16	5,4	6,5				
	>	4	1,3	7,0				
	CVP >>>	1	0,3	7,5				
	CVP >>>	1	0,3	8,0				
(999) another manufacturer	>	4	1,3	7,0				
	CVP >>>	2	0,7	7,5				
(266) Urobilinogen		297				263	261	99
Sample A		297				297	296	100
(5) Dialab	CVP >>>	3	1	Negative, < 17 µmol/L				
(12) Beckman Coulter	CVP >>>	10	3,4	Negative, < 17 µmol/L				
(18) Cormay	CVP >>>	1	0,3	Negative, < 17 µmol/L				
(46) Erba Lachema	CVP >>>	43	14	Negative, < 17 µmol/L				
(49) BioVendor	CVP >>>	11	3,7	Negative, < 17 µmol/L				
(60) Roche	CVP >>>	25	8,4	Negative, < 17 µmol/L				
(63) Sysmex	CVP >>>	25	8,4	Negative, < 17 µmol/L				
(150) Arkray	CVP >>>	9	3	Negative, < 17 µmol/L				
(161) YD Diagnostics	CVP >>>	1	0,3	Negative, < 17 µmol/L				
(162) Siemens (Atellica)	CVP >>>	6	2	Negative, < 17 µmol/L				
(177) Mindray	CVP >>>	1	0,3	Negative, < 17 µmol/L				
(179) Siemens	CVP >>>	42	14	Negative, < 17 µmol/L				
(197) Analyticon	CVP >>>	1	0,3	Negative, < 17 µmol/L				
(201) Iris Diagnostics	CVP >>>	14	4,7	Negative, < 17 µmol/L				
(202) Dirui	CVP >>>	76	26	Negative, < 17 µmol/L				
		1	0,3	3+, 4+				
(207) 77 Elektronika Kft.	CVP >>>	22	7,4	Negative, < 17 µmol/L				
(999) another manufacturer	CVP >>>	6	2	Negative, < 17 µmol/L				
Sample B		297				263	261	99
(5) Dialab	>	2	0,7	1+, 2+				
	CVP >>>	1	0,3	3+, 4+				
(12) Beckman Coulter	>	3	1	1+, 2+				

EQA round: DGP1/25 - Urine Strip Tests Analysis

Deadline: 14.2.2025

Setup: groups - R (strip manufacturer)

Test Sample Group	AV	N _{tot}	Frequency of the results		Success		
			N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
(18) Cormay	CVP >>>	7	2,4	3+, 4+			
(46) Erba Lachema	>	6	0,3	3+, 4+			
(49) BioVendor	CVP >>>	37	12	3+, 4+			
(60) Roche	>	11	3,7	3+, 4+			
(63) Sysmex	CVP >>>	24	8,1	3+, 4+			
(150) Arkray	>	6	2	1+, 2+			
(161) YD Diagnostics	CVP >>>	19	6,4	3+, 4+			
(162) Siemens (Atellica); (204) Siemens Clinitek Novus	CVP >>>	9	3	3+, 4+			
(177) Mindray	CVP >>>	1	0,3	3+, 4+			
(179) Siemens		1	0,3	Negative, < 17 µmol/L			
(179) Siemens; (204) Siemens Clinitek Novus	CVP >>>	13	4,4	3+, 4+			
(197) Analyticon	±	13	4,4	Negative, < 17 µmol/L			
(201) Iris Diagnostics	±	12	4	1+, 2+			
(202) Dirui	±	3	1	3+, 4+			
(207) 77 Elektronika Kft.	CVP >>>	1	0,3	3+, 4+			
(999) another manufacturer	>	8	2,7	1+, 2+			
	CVP >>>	6	2	3+, 4+			
	>	1	0,3	Negative, < 17 µmol/L			
	>	7	2,4	1+, 2+			
	CVP >>>	69	23	3+, 4+			
	CVP >>>	22	7,4	3+, 4+			
	CVP >>>	6	2	3+, 4+			