

## EQA round: DGP1/24 - Urine Strip Tests Analysis

Deadline: 16.2.2024

Setup: groups - R (strip manufacturer)

AV = assigned value

N<sub>tot</sub> = total number of the resultsN<sub>eva</sub> = number of the results assessed

CVP = consensus of all participants

N<sub>rel</sub> = relative number of the resultsN<sub>suc</sub> = number of successful results

&gt;&gt;&gt; ... expected result

S<sub>rel</sub> = relative success

&gt; ... acceptable result

± ... result not assessed

Test Sample Group	Frequency of the results					Success		
	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Result	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]	
<b>(268) Bilirubin</b>		291			291	289	99	
<b>Sample A</b>		291			291	289	99	
(5) Dialab	CVP >>>	3	1	Negative				
(12) Beckman Coulter	CVP >>>	9	3,1	Negative				
(46) Erba Lachema	CVP >>>	42	14	Negative				
		1	0,3	1+, 2+				
(49) BioVendor	CVP >>>	11	3,8	Negative				
(60) Roche	CVP >>>	25	8,6	Negative				
(63) Sysmex	CVP >>>	17	5,8	Negative				
		1	0,3	1+, 2+				
(109) Axis-Shield	CVP >>>	1	0,3	Negative				
(150) Arkray	CVP >>>	15	5,2	Negative				
(161) YD Diagnostics	CVP >>>	1	0,3	Negative				
(162) Siemens (Atellica)	CVP >>>	8	2,7	Negative				
(179) Siemens	CVP >>>	40	14	Negative				
(197) Analyticon	CVP >>>	2	0,7	Negative				
(201) Iris Diagnostics	CVP >>>	14	4,8	Negative				
(202) Dirui	CVP >>>	63	22	Negative				
(207) 77 Elektronika Kft.	CVP >>>	33	11	Negative				
(999) another manufacturer	CVP >>>	5	1,7	Negative				
<b>Sample B</b>		291			291	290	100	
(5) Dialab	CVP >>>	3	1	Negative				
(12) Beckman Coulter	CVP >>>	9	3,1	Negative				
(46) Erba Lachema	CVP >>>	42	14	Negative				
		1	0,3	1+, 2+				
(49) BioVendor	CVP >>>	11	3,8	Negative				
(60) Roche	CVP >>>	25	8,6	Negative				
(63) Sysmex	CVP >>>	18	6,2	Negative				
(109) Axis-Shield	CVP >>>	1	0,3	Negative				
(150) Arkray	CVP >>>	15	5,2	Negative				
(161) YD Diagnostics	CVP >>>	1	0,3	Negative				
(162) Siemens (Atellica)	CVP >>>	8	2,7	Negative				
(179) Siemens	CVP >>>	40	14	Negative				
(197) Analyticon	CVP >>>	2	0,7	Negative				
(201) Iris Diagnostics	CVP >>>	14	4,8	Negative				
(202) Dirui	CVP >>>	63	22	Negative				
(207) 77 Elektronika Kft.	CVP >>>	33	11	Negative				
(999) another manufacturer	CVP >>>	5	1,7	Negative				
<b>(264) Total protein</b>		291			291	284	98	
<b>Sample A</b>		291			291	289	99	
(5) Dialab	CVP >>>	3	1	Negative, < 0,3 g/L				
(12) Beckman Coulter	CVP >>>	9	3,1	Negative, < 0,3 g/L				
(46) Erba Lachema	CVP >>>	44	15	Negative, < 0,3 g/L				
(49) BioVendor	CVP >>>	11	3,8	Negative, < 0,3 g/L				
(60) Roche	CVP >>>	25	8,6	Negative, < 0,3 g/L				
(63) Sysmex	CVP >>>	18	6,2	Negative, < 0,3 g/L				
(109) Axis-Shield	CVP >>>	1	0,3	Negative, < 0,3 g/L				
(150) Arkray	CVP >>>	14	4,8	Negative, < 0,3 g/L				
		1	0,3	0,3 - 0,5 g/L				
(161) YD Diagnostics	CVP >>>	1	0,3	Negative, < 0,3 g/L				
(162) Siemens (Atellica)	CVP >>>	8	2,7	Negative, < 0,3 g/L				
(179) Siemens	CVP >>>	40	14	Negative, < 0,3 g/L				
(197) Analyticon	CVP >>>	2	0,7	Negative, < 0,3 g/L				
(201) Iris Diagnostics	CVP >>>	13	4,5	Negative, < 0,3 g/L				
		1	0,3	0,3 - 0,5 g/L				
(202) Dirui	CVP >>>	63	22	Negative, < 0,3 g/L				
(207) 77 Elektronika Kft.	CVP >>>	33	11	Negative, < 0,3 g/L				
(999) another manufacturer	CVP >>>	4	1,4	Negative, < 0,3 g/L				
<b>Sample B</b>		291			291	286	98	
(5) Dialab	CVP >>>	2	0,7	Negative, < 0,3 g/L				
	CVP >>>	1	0,3	0,3 - 0,5 g/L				
(12) Beckman Coulter	CVP >>>	2	0,7	Negative, < 0,3 g/L				
	CVP >>>	6	2,1	0,3 - 0,5 g/L				
		1	0,3	0,51 - 2,5 g/L				

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Setup: groups - R (strip manufacturer)

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> [%]
(46) Erba Lachema	CVP >>>	19	6,5	Negative, < 0,3 g/L				
	CVP >>>	24	8,2	0,3 - 0,5 g/L				
(49) BioVendor	CVP >>>	1	0,3	0,51 - 2,5 g/L				
	CVP >>>	10	3,4	Negative, < 0,3 g/L				
(60) Roche	CVP >>>	1	0,3	0,3 - 0,5 g/L				
	CVP >>>	10	3,4	Negative, < 0,3 g/L				
(63) Sysmex	CVP >>>	15	5,2	0,3 - 0,5 g/L				
	CVP >>>	10	3,4	Negative, < 0,3 g/L				
(109) Axis-Shield	CVP >>>	8	2,7	0,3 - 0,5 g/L				
(150) Arkray	CVP >>>	1	0,3	Negative, < 0,3 g/L				
	CVP >>>	10	3,4	Negative, < 0,3 g/L				
(161) YD Diagnostics	CVP >>>	5	1,7	0,3 - 0,5 g/L				
	CVP >>>	1	0,3	0,3 - 0,5 g/L				
(162) Siemens (Atellica)	CVP >>>	4	1,4	Negative, < 0,3 g/L				
	CVP >>>	4	1,4	0,3 - 0,5 g/L				
(179) Siemens	CVP >>>	11	3,8	Negative, < 0,3 g/L				
	CVP >>>	28	9,6	0,3 - 0,5 g/L				
(197) Analyticon	CVP >>>	1	0,3	0,51 - 2,5 g/L				
	CVP >>>	1	0,3	Negative, < 0,3 g/L				
(201) Iris Diagnostics	CVP >>>	1	0,3	0,3 - 0,5 g/L				
	CVP >>>	3	1	Negative, < 0,3 g/L				
(202) Dirui	CVP >>>	11	3,8	0,3 - 0,5 g/L				
	CVP >>>	23	7,9	Negative, < 0,3 g/L				
(207) 77 Elektronika Kft.	CVP >>>	38	13	0,3 - 0,5 g/L				
	CVP >>>	2	0,7	0,51 - 2,5 g/L				
(999) another manufacturer	CVP >>>	20	6,9	Negative, < 0,3 g/L				
	CVP >>>	13	4,5	0,3 - 0,5 g/L				
(261) <b>Glucose</b>	CVP >>>	2	0,7	Negative, < 0,3 g/L				
<b>Sample A</b>		292		0,3 - 0,5 g/L				
		292			292	265	91	
(5) Dialab	CVP >>>	1	0,3	2,81 - 11 mmol/L				
(12) Beckman Coulter	CVP >>>	2	0,7	11,1 - 28 mmol/L				
	CVP >>>	8	2,7	2,81 - 11 mmol/L				
(46) Erba Lachema	CVP >>>	1	0,3	11,1 - 28 mmol/L				
	CVP >>>	9	3,1	2,81 - 11 mmol/L				
(49) BioVendor	CVP >>>	22	7,5	11,1 - 28 mmol/L				
	CVP >>>	13	4,5	> 28 mmol/L				
(60) Roche	CVP >>>	8	2,7	2,81 - 11 mmol/L				
	CVP >>>	2	0,7	11,1 - 28 mmol/L				
(63) Sysmex	CVP >>>	1	0,3	> 28 mmol/L				
	CVP >>>	11	3,8	2,81 - 11 mmol/L				
(109) Axis-Shield	CVP >>>	14	4,8	11,1 - 28 mmol/L				
	CVP >>>	3	1	2,81 - 11 mmol/L				
(150) Arkray	CVP >>>	15	5,1	11,1 - 28 mmol/L				
	CVP >>>	1	0,3	11,1 - 28 mmol/L				
(161) YD Diagnostics	CVP >>>	1	0,3	11,1 - 28 mmol/L				
	CVP >>>	7	2,4	2,81 - 11 mmol/L				
(162) Siemens (Atellica)	CVP >>>	7	2,4	11,1 - 28 mmol/L				
	CVP >>>	1	0,3	11,1 - 28 mmol/L				
(179) Siemens	CVP >>>	2	0,7	Negative, normal, <= 2,8 mmol/L				
	CVP >>>	3	1	2,81 - 11 mmol/L				
(197) Analyticon	CVP >>>	3	1	11,1 - 28 mmol/L				
	CVP >>>	15	5,1	2,81 - 11 mmol/L				
(199) Eurolab Lambda	CVP >>>	25	8,6	11,1 - 28 mmol/L				
	CVP >>>	2	0,7	11,1 - 28 mmol/L				
(201) Iris Diagnostics	CVP >>>	1	0,3	11,1 - 28 mmol/L				
	CVP >>>	2	0,7	Negative, normal, <= 2,8 mmol/L				
(202) Dirui	CVP >>>	9	3,1	2,81 - 11 mmol/L				
	CVP >>>	2	0,7	11,1 - 28 mmol/L				
(207) 77 Elektronika Kft.	CVP >>>	1	0,3	> 28 mmol/L				
	CVP >>>	1	0,3	Negative, normal, <= 2,8 mmol/L				
(999) another manufacturer	CVP >>>	25	8,6	2,81 - 11 mmol/L				
	CVP >>>	36	12	11,1 - 28 mmol/L				
	CVP >>>	1	0,3	> 28 mmol/L				
(999) another manufacturer	CVP >>>	18	6,2	2,81 - 11 mmol/L				
	CVP >>>	10	3,4	11,1 - 28 mmol/L				
	CVP >>>	5	1,7	> 28 mmol/L				
	CVP >>>	1	0,3	2,81 - 11 mmol/L				
	CVP >>>	3	1	11,1 - 28 mmol/L				

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Test Sample Group	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Frequency of the results Result	Success		
					N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
		1	0,3	> 28 mmol/L			
<b>Sample B</b>		292			292	289	99
(5) Dialab	CVP >>>	3	1	Negative, normal, <= 2,8 mmol/L			
(12) Beckman Coulter	CVP >>>	9	3,1	Negative, normal, <= 2,8 mmol/L			
(46) Erba Lachema	CVP >>>	44	15	Negative, normal, <= 2,8 mmol/L			
(49) BioVendor	CVP >>>	11	3,8	Negative, normal, <= 2,8 mmol/L			
(60) Roche	CVP >>>	25	8,6	Negative, normal, <= 2,8 mmol/L			
(63) Sysmex	CVP >>>	18	6,2	Negative, normal, <= 2,8 mmol/L			
(109) Axis-Shield	CVP >>>	1	0,3	Negative, normal, <= 2,8 mmol/L			
(150) Arkray	CVP >>>	14	4,8	Negative, normal, <= 2,8 mmol/L			
(161) YD Diagnostics	CVP >>>	1	0,3	Negative, normal, <= 2,8 mmol/L			
(162) Siemens (Atellica)	CVP >>>	7	2,4	Negative, normal, <= 2,8 mmol/L			
		1	0,3	2,81 - 11 mmol/L			
(179) Siemens	CVP >>>	40	14	Negative, normal, <= 2,8 mmol/L			
(197) Analyticon	CVP >>>	2	0,7	Negative, normal, <= 2,8 mmol/L			
(199) Eurolab Lambda	CVP >>>	1	0,3	Negative, normal, <= 2,8 mmol/L			
(201) Iris Diagnostics	CVP >>>	13	4,5	Negative, normal, <= 2,8 mmol/L			
		1	0,3	2,81 - 11 mmol/L			
(202) Dirui	CVP >>>	63	22	Negative, normal, <= 2,8 mmol/L			
(207) 77 Elektronika Kft.	CVP >>>	33	11	Negative, normal, <= 2,8 mmol/L			
(999) another manufacturer	CVP >>>	4	1,4	Negative, normal, <= 2,8 mmol/L			
		1	0,3	2,81 - 11 mmol/L			
(275) <b>hCG</b>		11			11	11	100
<b>Sample A</b>		11			11	11	100
(5) Dialab	CVP >>>	2	18	Negative			
(17) Biogema	CVP >>>	3	27	Negative			
(115) BioSystems	CVP >>>	1	9,1	Negative			
(179) Siemens	CVP >>>	1	9,1	Negative			
(202) Dirui	CVP >>>	1	9,1	Negative			
(999) another manufacturer	CVP >>>	3	27	Negative			
<b>Sample B</b>		11			11	11	100
(5) Dialab	CVP >>>	2	18	Positive			
(17) Biogema	CVP >>>	3	27	Positive			
(115) BioSystems	CVP >>>	1	9,1	Positive			
(179) Siemens	CVP >>>	1	9,1	Positive			
(202) Dirui	CVP >>>	1	9,1	Positive			
(999) another manufacturer	CVP >>>	3	27	Positive			
(263) <b>Ketone bodies</b>		291			291	290	100
<b>Sample A</b>		291			291	290	100
(5) Dialab	CVP >>>	3	1	Negative, <= 0,5 mmol/L			
(12) Beckman Coulter	CVP >>>	9	3,1	Negative, <= 0,5 mmol/L			
(46) Erba Lachema	CVP >>>	43	15	Negative, <= 0,5 mmol/L			
		1	0,3	1+, 2+			
(49) BioVendor	CVP >>>	11	3,8	Negative, <= 0,5 mmol/L			
(60) Roche	CVP >>>	25	8,6	Negative, <= 0,5 mmol/L			
(63) Sysmex	CVP >>>	18	6,2	Negative, <= 0,5 mmol/L			
(109) Axis-Shield	CVP >>>	1	0,3	Negative, <= 0,5 mmol/L			
(150) Arkray	CVP >>>	15	5,2	Negative, <= 0,5 mmol/L			
(161) YD Diagnostics	CVP >>>	1	0,3	Negative, <= 0,5 mmol/L			
(162) Siemens (Atellica)	CVP >>>	8	2,7	Negative, <= 0,5 mmol/L			
(179) Siemens	CVP >>>	39	13	Negative, <= 0,5 mmol/L			
(197) Analyticon	CVP >>>	2	0,7	Negative, <= 0,5 mmol/L			
(201) Iris Diagnostics	CVP >>>	14	4,8	Negative, <= 0,5 mmol/L			
(202) Dirui	CVP >>>	63	22	Negative, <= 0,5 mmol/L			
(207) 77 Elektronika Kft.	CVP >>>	33	11	Negative, <= 0,5 mmol/L			
(999) another manufacturer	CVP >>>	5	1,7	Negative, <= 0,5 mmol/L			
<b>Sample B</b>		291			291	290	100
(5) Dialab	CVP >>>	3	1	Negative, <= 0,5 mmol/L			
(12) Beckman Coulter	CVP >>>	9	3,1	Negative, <= 0,5 mmol/L			
(46) Erba Lachema	CVP >>>	43	15	Negative, <= 0,5 mmol/L			
		1	0,3	1+, 2+			
(49) BioVendor	CVP >>>	11	3,8	Negative, <= 0,5 mmol/L			
(60) Roche	CVP >>>	25	8,6	Negative, <= 0,5 mmol/L			
(63) Sysmex	CVP >>>	18	6,2	Negative, <= 0,5 mmol/L			
(109) Axis-Shield	CVP >>>	1	0,3	Negative, <= 0,5 mmol/L			
(150) Arkray	CVP >>>	15	5,2	Negative, <= 0,5 mmol/L			
(161) YD Diagnostics	CVP >>>	1	0,3	Negative, <= 0,5 mmol/L			
(162) Siemens (Atellica)	CVP >>>	8	2,7	Negative, <= 0,5 mmol/L			
(179) Siemens	CVP >>>	39	13	Negative, <= 0,5 mmol/L			

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Setup: groups - R (strip manufacturer)

Test Sample Group	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Frequency of the results Result	Success		
					N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
(197) Analyticon	CVP >>>	2	0,7	Negative, <= 0,5 mmol/L			
(201) Iris Diagnostics	CVP >>>	14	4,8	Negative, <= 0,5 mmol/L			
(202) Dirui	CVP >>>	63	22	Negative, <= 0,5 mmol/L			
(207) 77 Elektronika Kft.	CVP >>>	33	11	Negative, <= 0,5 mmol/L			
(999) another manufacturer	CVP >>>	5	1,7	Negative, <= 0,5 mmol/L			
<b>(272) Blood</b>		<b>292</b>			<b>292</b>	<b>280</b>	<b>96</b>
<b>Sample A</b>		<b>292</b>			<b>292</b>	<b>285</b>	<b>98</b>
(5) Dialab	>	1	0,3	13 - 50 ery/ $\mu$ L			
	CVP >>>	2	0,7	> 50 ery/ $\mu$ L			
(12) Beckman Coulter	>	1	0,3	13 - 50 ery/ $\mu$ L			
	CVP >>>	8	2,7	> 50 ery/ $\mu$ L			
(46) Erba Lachema		3	1	5 - 12 ery/ $\mu$ L			
	>	14	4,8	13 - 50 ery/ $\mu$ L			
	CVP >>>	27	9,2	> 50 ery/ $\mu$ L			
(49) BioVendor	CVP >>>	11	3,8	> 50 ery/ $\mu$ L			
(60) Roche		1	0,3	5 - 12 ery/ $\mu$ L			
	>	1	0,3	13 - 50 ery/ $\mu$ L			
	CVP >>>	23	7,9	> 50 ery/ $\mu$ L			
(63) Sysmex	>	1	0,3	13 - 50 ery/ $\mu$ L			
	CVP >>>	17	5,8	> 50 ery/ $\mu$ L			
(109) Axis-Shield	CVP >>>	1	0,3	> 50 ery/ $\mu$ L			
(150) Arkray		1	0,3	5 - 12 ery/ $\mu$ L			
	>	2	0,7	13 - 50 ery/ $\mu$ L			
	CVP >>>	12	4,1	> 50 ery/ $\mu$ L			
(161) YD Diagnostics	CVP >>>	1	0,3	> 50 ery/ $\mu$ L			
(162) Siemens (Atellica)	>	2	0,7	13 - 50 ery/ $\mu$ L			
	CVP >>>	6	2,1	> 50 ery/ $\mu$ L			
(179) Siemens	>	5	1,7	13 - 50 ery/ $\mu$ L			
	CVP >>>	35	12	> 50 ery/ $\mu$ L			
(197) Analyticon	CVP >>>	2	0,7	> 50 ery/ $\mu$ L			
(201) Iris Diagnostics		2	0,7	5 - 12 ery/ $\mu$ L			
	>	2	0,7	13 - 50 ery/ $\mu$ L			
	CVP >>>	10	3,4	> 50 ery/ $\mu$ L			
(202) Dirui	>	6	2,1	13 - 50 ery/ $\mu$ L			
	CVP >>>	57	20	> 50 ery/ $\mu$ L			
(207) 77 Elektronika Kft.	>	1	0,3	13 - 50 ery/ $\mu$ L			
	CVP >>>	32	11	> 50 ery/ $\mu$ L			
(999) another manufacturer	>	1	0,3	13 - 50 ery/ $\mu$ L			
	CVP >>>	4	1,4	> 50 ery/ $\mu$ L			
<b>Sample B</b>		<b>292</b>			<b>292</b>	<b>286</b>	<b>98</b>
(5) Dialab	CVP >>>	2	0,7	Negative			
	>	1	0,3	5 - 12 ery/ $\mu$ L			
(12) Beckman Coulter	CVP >>>	4	1,4	Negative			
	>	5	1,7	5 - 12 ery/ $\mu$ L			
(46) Erba Lachema	CVP >>>	30	10	Negative			
	>	14	4,8	5 - 12 ery/ $\mu$ L			
(49) BioVendor	CVP >>>	5	1,7	Negative			
	>	6	2,1	5 - 12 ery/ $\mu$ L			
(60) Roche	CVP >>>	22	7,5	Negative			
	>	3	1	5 - 12 ery/ $\mu$ L			
(63) Sysmex	CVP >>>	18	6,2	Negative			
(109) Axis-Shield	>	1	0,3	5 - 12 ery/ $\mu$ L			
(150) Arkray	CVP >>>	13	4,5	Negative			
	>	2	0,7	5 - 12 ery/ $\mu$ L			
(161) YD Diagnostics	>	1	0,3	5 - 12 ery/ $\mu$ L			
(162) Siemens (Atellica)	CVP >>>	8	2,7	Negative			
(179) Siemens	CVP >>>	30	10	Negative			
	>	8	2,7	5 - 12 ery/ $\mu$ L			
		2	0,7	13 - 50 ery/ $\mu$ L			
(197) Analyticon	CVP >>>	2	0,7	Negative			
(201) Iris Diagnostics	CVP >>>	4	1,4	Negative			
	>	8	2,7	5 - 12 ery/ $\mu$ L			
		1	0,3	13 - 50 ery/ $\mu$ L			
		1	0,3	> 50 ery/ $\mu$ L			
(202) Dirui	CVP >>>	47	16	Negative			
	>	15	5,1	5 - 12 ery/ $\mu$ L			
		1	0,3	> 50 ery/ $\mu$ L			
(207) 77 Elektronika Kft.	CVP >>>	8	2,7	Negative			
	>	24	8,2	5 - 12 ery/ $\mu$ L			

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Setup: groups - R (strip manufacturer)

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> [%]
(999) another manufacturer	CVP >>>	1	0,3	13 - 50 ery/ $\mu$ L				
		5	1,7	Negative				
<b>(270) WBC</b>		262				262	260	99
<b>Sample A</b>		262				262	261	100
(5) Dialab	CVP >>>	2	0,8	Negative				
(12) Beckman Coulter		1	0,4	Not specified				
	CVP >>>	8	3,1	Negative				
(46) Erba Lachema	CVP >>>	18	6,9	Negative				
(49) BioVendor	CVP >>>	11	4,2	Negative				
(60) Roche	CVP >>>	24	9,2	Negative				
(63) Sysmex	CVP >>>	18	6,9	Negative				
(109) Axis-Shield	CVP >>>	1	0,4	Negative				
(150) Arkray	CVP >>>	15	5,7	Negative				
(162) Siemens (Atellica)	CVP >>>	8	3,1	Negative				
(179) Siemens	CVP >>>	39	15	Negative				
(197) Analyticon	CVP >>>	2	0,8	Negative				
(201) Iris Diagnostics	CVP >>>	14	5,3	Negative				
(202) Dirui	CVP >>>	63	24	Negative				
(207) 77 Elektronika Kft.	CVP >>>	33	13	Negative				
(999) another manufacturer	CVP >>>	5	1,9	Negative				
<b>Sample B</b>		262				262	261	100
(5) Dialab	CVP >>>	2	0,8	Negative				
(12) Beckman Coulter	CVP >>>	9	3,4	Negative				
(46) Erba Lachema	CVP >>>	18	6,9	Negative				
(49) BioVendor	CVP >>>	11	4,2	Negative				
(60) Roche	CVP >>>	24	9,2	Negative				
(63) Sysmex	CVP >>>	18	6,9	Negative				
(109) Axis-Shield	CVP >>>	1	0,4	Negative				
(150) Arkray	CVP >>>	15	5,7	Negative				
(162) Siemens (Atellica)	CVP >>>	8	3,1	Negative				
(179) Siemens	CVP >>>	39	15	Negative				
(197) Analyticon	CVP >>>	2	0,8	Negative				
(201) Iris Diagnostics	CVP >>>	14	5,3	Negative				
(202) Dirui	CVP >>>	63	24	Negative				
(207) 77 Elektronika Kft.	CVP >>>	33	13	Negative				
(999) another manufacturer	CVP >>>	4	1,5	Negative				
		1	0,4	10 - 50 leu/ $\mu$ L				
<b>(274) Nitrite</b>		263				263	262	100
<b>Sample A</b>		263				263	263	100
(5) Dialab	CVP >>>	3	1,1	Negative				
(9) Bayer	CVP >>>	1	0,4	Negative				
(12) Beckman Coulter	CVP >>>	9	3,4	Negative				
(46) Erba Lachema	CVP >>>	19	7,2	Negative				
(49) BioVendor	CVP >>>	11	4,2	Negative				
(60) Roche	CVP >>>	23	8,7	Negative				
(63) Sysmex	CVP >>>	18	6,8	Negative				
(109) Axis-Shield	CVP >>>	1	0,4	Negative				
(150) Arkray	CVP >>>	15	5,7	Negative				
(162) Siemens (Atellica)	CVP >>>	8	3	Negative				
(179) Siemens	CVP >>>	39	15	Negative				
(197) Analyticon	CVP >>>	2	0,8	Negative				
(201) Iris Diagnostics	CVP >>>	14	5,3	Negative				
(202) Dirui	CVP >>>	63	24	Negative				
(207) 77 Elektronika Kft.	CVP >>>	32	12	Negative				
(999) another manufacturer	CVP >>>	5	1,9	Negative				
<b>Sample B</b>		263				263	262	100
(5) Dialab	CVP >>>	3	1,1	Negative				
(9) Bayer	CVP >>>	1	0,4	Negative				
(12) Beckman Coulter	CVP >>>	9	3,4	Negative				
(46) Erba Lachema	CVP >>>	19	7,2	Negative				
(49) BioVendor	CVP >>>	11	4,2	Negative				
(60) Roche	CVP >>>	23	8,7	Negative				
(63) Sysmex	CVP >>>	18	6,8	Negative				
(109) Axis-Shield	CVP >>>	1	0,4	Negative				
(150) Arkray		1	0,4	Not specified				
	CVP >>>	14	5,3	Negative				
(162) Siemens (Atellica)	CVP >>>	8	3	Negative				
(179) Siemens	CVP >>>	39	15	Negative				
(197) Analyticon	CVP >>>	2	0,8	Negative				

## EQA round: DGP1/24 - Urine Strip Tests Analysis

Deadline: 16.2.2024

Setup: groups - R (strip manufacturer)

Test Sample Group	AV	N <sub>tot</sub>	Frequency of the results			Success		
			N <sub>rel</sub> [%]	Result	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]	
(201) Iris Diagnostics	CVP >>>	14	5,3	Negative				
(202) Dirui	CVP >>>	63	24	Negative				
(207) 77 Elektronika Kft.	CVP >>>	32	12	Negative				
(999) another manufacturer	CVP >>>	5	1,9	Negative				
<b>(273) pH</b>		292			292	282	97	
<b>Sample A</b>		292			292	291	100	
(5) Dialab	>	3	1	6,0				
(12) Beckman Coulter	>	2	0,7	5,0				
	CVP >>>	6	2,1	5,5				
	>	1	0,3	6,0				
(46) Erba Lachema	>	23	7,9	5,0				
	CVP >>>	4	1,4	5,5				
	>	17	5,8	6,0				
(49) BioVendor	>	1	0,3	5,0				
	CVP >>>	10	3,4	5,5				
(60) Roche	>	14	4,8	5,0				
	CVP >>>	1	0,3	5,5				
	>	10	3,4	6,0				
(63) Sysmex	CVP >>>	18	6,2	5,5				
(109) Axis-Shield	>	1	0,3	6,0				
(150) Arkray	CVP >>>	15	5,1	5,5				
(161) YD Diagnostics	>	1	0,3	6,0				
(162) Siemens (Atellica)	CVP >>>	8	2,7	5,5				
(179) Siemens	CVP >>>	25	8,6	5,5				
	>	15	5,1	6,0				
(197) Analyticon	>	2	0,7	5,0				
(201) Iris Diagnostics	>	2	0,7	5,0				
	CVP >>>	9	3,1	5,5				
	>	2	0,7	6,0				
		1	0,3	8,5				
(202) Dirui	>	1	0,3	5,0				
	CVP >>>	56	19	5,5				
	>	6	2,1	6,0				
(207) 77 Elektronika Kft.	>	2	0,7	5,0				
	CVP >>>	31	11	5,5				
(999) another manufacturer	>	2	0,7	5,0				
	CVP >>>	2	0,7	5,5				
	>	1	0,3	6,0				
<b>Sample B</b>		292			292	282	97	
(5) Dialab	CVP >>>	3	1	8,0				
(12) Beckman Coulter	CVP >>>	7	2,4	8,0				
	>	2	0,7	8,5				
(46) Erba Lachema		1	0,3	6,0				
		3	1	6,5				
	>	12	4,1	7,0				
	>	6	2,1	7,5				
	CVP >>>	20	6,8	8,0				
	>	1	0,3	8,5				
	>	1	0,3	9,0				
(49) BioVendor	>	3	1	7,5				
	CVP >>>	6	2,1	8,0				
	>	2	0,7	8,5				
(60) Roche	>	1	0,3	7,0				
	CVP >>>	17	5,8	8,0				
	>	1	0,3	8,5				
	>	6	2,1	9,0				
(63) Sysmex	>	8	2,7	7,5				
	CVP >>>	9	3,1	8,0				
	>	1	0,3	8,5				
(109) Axis-Shield	>	1	0,3	7,0				
(150) Arkray		1	0,3	6,5				
	>	4	1,4	7,5				
	CVP >>>	10	3,4	8,0				
(161) YD Diagnostics	>	1	0,3	7,5				
(162) Siemens (Atellica)	CVP >>>	6	2,1	8,0				
	>	1	0,3	8,5				
	>	1	0,3	9,0				
(179) Siemens		1	0,3	6,5				
	>	2	0,7	7,0				

## EQA round: DGP1/24 - Urine Strip Tests Analysis

Deadline: 16.2.2024

Setup: groups - R (strip manufacturer)

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> [%]
	>	2	0,7	7,5				
	CVP >>>	15	5,1	8,0				
	>	16	5,5	8,5				
	>	4	1,4	9,0				
(197) Analyticon	CVP >>>	2	0,7	8,0				
(201) Iris Diagnostics		1	0,3	5,5				
	CVP >>>	6	2,1	8,0				
	>	7	2,4	8,5				
(202) Dirui		2	0,7	6,5				
	>	4	1,4	7,0				
	>	36	12	7,5				
	CVP >>>	21	7,2	8,0				
(207) 77 Elektronika Kft.		1	0,3	7,0				
	>	9	3,1	7,5				
	CVP >>>	21	7,2	8,0				
	>	2	0,7	8,5				
(999) another manufacturer		1	0,3	6,0				
	>	1	0,3	7,0				
	>	2	0,7	7,5				
	CVP >>>	1	0,3	8,0				
<b>(266) Urobilinogen</b>		291				291	289	99
<b>Sample A</b>		291				291	289	99
(5) Dialab	CVP >>>	3	1	Negative, < 17 µmol/L				
(12) Beckman Coulter	CVP >>>	9	3,1	Negative, < 17 µmol/L				
(46) Erba Lachema	CVP >>>	43	15	Negative, < 17 µmol/L				
		1	0,3	1+, 2+				
(49) BioVendor	CVP >>>	11	3,8	Negative, < 17 µmol/L				
(60) Roche	CVP >>>	24	8,2	Negative, < 17 µmol/L				
(63) Sysmex	CVP >>>	18	6,2	Negative, < 17 µmol/L				
(109) Axis-Shield	CVP >>>	1	0,3	Negative, < 17 µmol/L				
(150) Arkray	CVP >>>	15	5,2	Negative, < 17 µmol/L				
(161) YD Diagnostics	CVP >>>	1	0,3	Negative, < 17 µmol/L				
(162) Siemens (Atellica)	CVP >>>	8	2,7	Negative, < 17 µmol/L				
(179) Siemens	CVP >>>	40	14	Negative, < 17 µmol/L				
(197) Analyticon	CVP >>>	2	0,7	Negative, < 17 µmol/L				
(201) Iris Diagnostics	CVP >>>	14	4,8	Negative, < 17 µmol/L				
(202) Dirui	CVP >>>	63	22	Negative, < 17 µmol/L				
(207) 77 Elektronika Kft.	CVP >>>	33	11	Negative, < 17 µmol/L				
(999) another manufacturer	CVP >>>	4	1,4	Negative, < 17 µmol/L				
		1	0,3	1+, 2+				
<b>Sample B</b>		291				291	290	100
(5) Dialab	CVP >>>	3	1	Negative, < 17 µmol/L				
(12) Beckman Coulter	CVP >>>	9	3,1	Negative, < 17 µmol/L				
(46) Erba Lachema	CVP >>>	43	15	Negative, < 17 µmol/L				
		1	0,3	1+, 2+				
(49) BioVendor	CVP >>>	11	3,8	Negative, < 17 µmol/L				
(60) Roche	CVP >>>	24	8,2	Negative, < 17 µmol/L				
(63) Sysmex	CVP >>>	18	6,2	Negative, < 17 µmol/L				
(109) Axis-Shield	CVP >>>	1	0,3	Negative, < 17 µmol/L				
(150) Arkray	CVP >>>	15	5,2	Negative, < 17 µmol/L				
(161) YD Diagnostics	CVP >>>	1	0,3	Negative, < 17 µmol/L				
(162) Siemens (Atellica)	CVP >>>	8	2,7	Negative, < 17 µmol/L				
(179) Siemens	CVP >>>	40	14	Negative, < 17 µmol/L				
(197) Analyticon	CVP >>>	2	0,7	Negative, < 17 µmol/L				
(201) Iris Diagnostics	CVP >>>	14	4,8	Negative, < 17 µmol/L				
(202) Dirui	CVP >>>	63	22	Negative, < 17 µmol/L				
(207) 77 Elektronika Kft.	CVP >>>	33	11	Negative, < 17 µmol/L				
(999) another manufacturer	CVP >>>	5	1,7	Negative, < 17 µmol/L				