

## EQA round: HKG4/24 - Haemocoagulation Tests

Deadline: 15.11.2024

Setup: Slovakia; minimal size of the groups n = 5

RoM = robust average	AV = assigned value	D <sub>max</sub> = acceptable difference
SD = standard deviation	CVP = consensus of all participants	LL = lower limit
CV = coefficient of variation	CVPG = consensus of the participants' groups	UL = upper limit
N <sub>tot</sub> = total number of the results	U <sub>AV</sub> = expanded uncertainty of the assigned value (k = 2)	N <sub>eva</sub> = number of the results assessed
N <sub>out</sub> = number of the results removed before calculation		N <sub>suc</sub> = number of successful results
		S <sub>rel</sub> = relative success

Test Sample Group	[unit]	RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>	Comparability					N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
							AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL			
<b>(177) Antithrombin</b>	[%]				42							42	39	93
<b>Sample A</b>												42	41	98
All results		94,4	4,5	4,8	42	0	CVP	94,8	0,79	18%	77,7	112	42	
<b>Sample B</b>												42	39	93
All results		44,3	5,4	12	42	0	CVP	43,6	0,75	25%	32,7	54,5	42	
<b>(170) APTT - ratio</b>	[-]				63							62	61	98
<b>Sample A</b>		1,16	0,078	6,7	63							62	62	100
(240) Siemens (Dade) Actin FS		1,22	0,045	3,7	30	0	CVPG	1,21	0,013	20%	0,968	1,46	30	
(242) Siemens (Dade) Pathromtin SL		1,12	0,037	3,3	5	0	CVPG	1,18	0,013	20%	0,944	1,42	5	
(246) Mindray APTT Reagent		1,09	0,067	6,1	18	0	CVPG	1,09	0,039	20%	0,872	1,31	18	
(256) IL SynthASil		1,15	0,067	5,8	8	0	CVPG	1,15	0,03	20%	0,92	1,38	8	
Other					2	0							1	
														1x 241, 1x 269
<b>Sample B</b>		2,87	0,47	17	63							62	61	98
(240) Siemens (Dade) Actin FS		2,74	0,14	5,1	30	0	CVPG	2,72	0,044	20%	2,17	3,27	30	
(242) Siemens (Dade) Pathromtin SL		3,25	0,14	4,3	5	0	CVPG	3,11	0,054	20%	2,48	3,74	5	
(246) Mindray APTT Reagent		3,39	0,27	7,9	18	0	CVPG	3,39	0,15	20%	2,71	4,07	18	
(256) IL SynthASil		1,81	0,082	4,5	8	0	CVPG	1,87	0,059	20%	1,49	2,25	8	
Other					2	0							1	
														1x 241, 1x 269
<b>(171) Fibrinogen</b>	[g/L]				62							62	58	94
<b>Sample A</b>												62	61	98
All results		2,67	0,13	5	62	0	CVP	2,66	0,028	25%	1,99	3,33	62	
<b>Sample B</b>												62	59	95
All results		1,3	0,12	9,1	62	0	CVP	1,27	0,018	25%	0,952	1,59	62	
<b>(172) Prothrombin test (INR)</b>	[-]				65							65	51	78
<b>Sample A</b>		1,01	0,039	3,9	65	0	CVP	1,02	0,007	20%	0,816	1,23	65	65
All results		2,41	0,35	14	65							65	51	78
<b>Sample B</b>		2,43	0,36	15	58	0	CVP	2,56	0,03	20%	2,04	3,08	58	
All results (without individual groups)		2,22	0,32	14	7	0	CVPG	2,85	0,11	20%	2,28	3,42	7	
(3) Coagulometr (trom. rabbit br.)														
<b>(179) Prothrombin test (ratio)</b>	[-]				65							65	51	78
<b>Sample A</b>		1,01	0,044	4,4	65	0	CVP	1,02	0,007	20%	0,816	1,23	65	65
All results		2,33	0,36	15	65							65	51	78
<b>Sample B</b>		2,35	0,35	15	59	0	CVP	2,46	0,033	20%	1,96	2,96	59	
All results (without individual groups)		2,15	0,33	15	6	0	CVPG	2,68	0,089	20%	2,14	3,22	6	
(3) Coagulometr (trom. rabbit br.)														
<b>(173) Thrombin time (time)</b>	[s]				45							41	39	95
<b>Sample A</b>		18,1	1,7	9,6	45							41	39	95
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		18,7	1,1	5,6	23	0	CVPG	18,5	0,23	15%	15,7	21,3	23	
(6) Thrombin units: 3 IU/mL (NIH); (38) Werfen (IL)		16,5	0,67	4,1	7	0	CVPG	16,5	0,28	15%	14	19	7	
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		17,3	2	12	10	0	CVPG	17,3	1,5	15%	14,7	19,9	10	
Other					5	0								1
														1x 1/149, 1x 2/149, 1x 3/149, 1x 6/177, 1x 7/175
<b>Sample B</b>		18,1	4,9	27	45							41	40	98
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		14,7	0,87	5,9	23	0	CVPG	14,6	0,23	15%	12,4	16,8	23	
(6) Thrombin units: 3 IU/mL (NIH); (38) Werfen (IL)		25	0,89	3,6	7	0	CVPG	24,4	0,43	15%	20,7	28,1	7	
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		21,7	2	9,2	10	0	CVPG	21,7	1,5	15%	18,4	25	10	
Other					5	0								1
														1x 1/149, 1x 2/149, 1x 3/149, 1x 6/177, 1x 7/175
<b>(174) Thrombin time (ratio)</b>	[-]				39							35	34	97
<b>Sample A</b>		1,09	0,09	8,2	39							35	34	97
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		1,07	0,081	7,6	17	0	CVPG	1,07	0,02	20%	0,856	1,29	17	
(6) Thrombin units: 3 IU/mL (NIH); (38) Werfen (IL)		1,16	0,12	10	7	0	CVPG	1,11	0,031	20%	0,888	1,34	7	
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		1,07	0,072	6,8	10	0	CVPG	1,07	0,056	20%	0,856	1,29	10	
Other					5	0								1
														1x 1/149, 1x 2/149, 1x 3/149, 1x 6/177, 1x 7/175

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Test Sample Group	[unit]	RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>	Comparability					N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
							AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL			
<b>Sample B</b>		1,16	0,38	33	39							35	35	100
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		0,863	0,063	7,3	17	0	CVPG	0,861	0,021	20%	0,688	1,04	17	
(6) Thrombin units: 3 IU/mL (NIH); (38) Werfen (IL)		1,76	0,19	11	7	0	CVPG	1,65	0,038	20%	1,32	1,98	7	
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		1,35	0,12	8,7	10	0	CVPG	1,35	0,091	20%	1,08	1,62	10	
Other					5	0							1	
								1x 1/149, 1x 2/149, 1x 3/149, 1x 6/177, 1x 7/175						