

## EQA round: HKG2/23 - Haemocoagulation Tests

Deadline: 16.6.2023

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>	[%]				38							38	36	95
<b>Sample A</b>												38	38	100
All results		98,4	4,5	4,6	38	0	CVP	99,1	0,83	18%	81,2	117	38	
<b>Sample B</b>												38	36	95
All results		41,8	4,7	11	38	0	CVP	40,9	0,63	25%	30,6	51,2	38	
<b>(170) APTT - ratio</b>	[-]				57							56	50	89
<b>Sample A</b>		1,18	0,31	26	57							56	52	93
(240) Siemens (Dade) Actin FS		0,965	0,036	3,8	30	0	CVPG	0,974	0,011	20%	0,779	1,17	30	
(246) Mindray APTT Reagent		1,92	0,33	17	12	0	CVPG	1,92	0,23	20%	1,53	2,31	12	
(256) IL SynthASil		1,34	0,052	3,9	6	0	CVPG	1,3	0,022	20%	1,04	1,56	6	
Other					9	0							8	
														1x 241, 4x 242, 3x 257, 1x 269
<b>Sample B</b>		1,7	0,39	23	57							56	52	93
(240) Siemens (Dade) Actin FS		1,49	0,096	6,4	30	0	CVPG	1,52	0,024	20%	1,21	1,83	30	
(246) Mindray APTT Reagent		2,49	0,44	18	12	0	CVPG	2,49	0,31	20%	1,99	2,99	12	
(256) IL SynthASil		1,41	0,015	1	6	0	CVPG	1,4	0,021	20%	1,12	1,68	6	
Other					9	0							8	
														1x 241, 4x 242, 3x 257, 1x 269
<b>(171) Fibrinogen</b>	[g/L]				57							57	56	98
<b>Sample A</b>												57	57	100
All results		2,91	0,17	5,7	57	0	CVP	2,94	0,03	25%	2,2	3,68	57	
<b>Sample B</b>												57	56	98
All results		1,2	0,11	9,3	57	0	CVP	1,19	0,016	25%	0,892	1,49	57	
<b>(172) Prothrombin test (INR)</b>	[-]				59							59	57	97
<b>Sample A</b>												59	59	100
All results		0,995	0,049	4,9	59	0	CVP	1,01	0,008	20%	0,808	1,22	59	
<b>Sample B</b>		1,54	0,14	9,2	59							59	57	97
All results (without individual groups)		1,53	0,13	8,3	50	0	CVP	1,55	0,016	20%	1,24	1,86	50	
(3) Coagulometr (trom. rabbit br.)		1,62	0,24	15	9	0	CVPG	1,82	0,06	20%	1,45	2,19	9	
<b>(179) Prothrombin test (ratio)</b>	[-]				58							58	57	98
<b>Sample A</b>												58	58	100
All results		0,986	0,05	5	58	0	CVP	1	0,008	20%	0,8	1,2	58	
<b>Sample B</b>		1,5	0,11	7,6	58							58	57	98
All results (without individual groups)		1,49	0,12	8	50	0	CVP	1,53	0,016	20%	1,22	1,84	50	
(3) Coagulometr (trom. rabbit br.)		1,51	0,089	5,9	8	0	CVPG	1,75	0,06	20%	1,4	2,1	8	
<b>(173) Thrombin time (time)</b>	[s]				37							25	25	100
<b>Sample A</b>		15,8	0,96	6,1	37							25	25	100
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		15,7	0,39	2,5	19	0	CVPG	15,8	0,17	15%	13,4	18,2	19	
(6) Thrombin units: 3 IU/mL (NIH); (38) IL		15,9	0,3	1,9	5	0	CVPG	16,1	0,3	15%	13,6	18,6	5	
Other					13	0							1	
														1x 1/38, 3x 1/149, 1x 2/149, 1x 3/149, 2x 7/175, 4x 8/177, 1x 8/999
<b>Sample B</b>		18,6	4,8	26	37							25	25	100
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		15,5	0,63	4	19	0	CVPG	15,9	0,18	15%	13,5	18,3	19	
(6) Thrombin units: 3 IU/mL (NIH); (38) IL		25,2	0,96	3,8	5	0	CVPG	25,2	0,68	15%	21,4	29	5	
Other					13	0							1	
														1x 1/38, 3x 1/149, 1x 2/149, 1x 3/149, 2x 7/175, 4x 8/177, 1x 8/999
<b>(174) Thrombin time (ratio)</b>	[-]				31							20	19	95
<b>Sample A</b>		0,963	0,094	9,7	31							20	20	100
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		0,919	0,028	3	14	0	CVPG	0,937	0,018	20%	0,749	1,13	14	
(6) Thrombin units: 3 IU/mL (NIH); (38) IL		1,15	0,11	9,7	5	0	CVPG	1,12	0,05	20%	0,896	1,35	5	
Other					12	0							1	
														1x 1/38, 2x 1/149, 1x 1/175, 1x 2/149, 1x 3/149, 1x 7/175, 4x 8/177, 1x 8/999
<b>Sample B</b>		1,15	0,33	28	31							20	19	95
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		0,899	0,027	3	14	0	CVPG	0,943	0,019	20%	0,754	1,14	14	
(6) Thrombin units: 3 IU/mL (NIH); (38) IL		1,81	0,26	14	5	0	CVPG	1,77	0,096	20%	1,41	2,13	5	
Other					12	0							1	
														1x 1/38, 2x 1/149, 1x 1/175, 1x 2/149, 1x 3/149, 1x 7/175, 4x 8/177, 1x 8/999