

EQA round: HKG4/23 - Haemocoagulation Tests

Deadline: 17.11.2023

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

RoM = robust average	AV = assigned value	D _{max} = 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 _{tot} = total number of the results	U _{AV} = expanded uncertainty of the assigned value (k = 2)	N _{eva} = number of the results assessed
N _{out} = number of the results removed before calculation		N _{suc} = number of successful results
		S _{rel} = relative success

Test Sample Group	[unit]	RoM	SD	CV [%]	N _{tot}	N _{out}	Comparability					N _{eva}	N _{suc}	S _{rel} [%]
							AV	U _{AV}	D _{max}	LL	UL			
(177) Antithrombin	[%]				37							31	27	87
Sample A		33,6	7,8	23	37							31	27	87
All results (without individual groups)		35,6	5,7	16	31	0	CVP	33,7	0,73	25%	25,2	42,2	31	
(38) IL		21	3	14	6	0	CVPG	20,3	1,8	25%	15,2	25,4	0	
Sample B												37	37	100
All results		101	5,1	5	37	0	CVP	101	0,9	18%	82,8	120	37	
(170) APTT - ratio	[-]				56							56	53	95
Sample A		1,76	0,29	16	56							56	53	95
(240) Siemens (Dade) Actin FS		1,64	0,076	4,6	27	0	CVPG	1,64	0,02	20%	1,31	1,97	27	
(246) Mindray APTT Reagent		2,08	0,16	7,7	15	0	CVPG	2,08	0,1	20%	1,66	2,5	15	
(256) IL SynthASil		1,42	0,037	2,6	6	0	CVPG	1,45	0,021	20%	1,16	1,74	6	
(257) Diagon Dia-PTT-Liquid		1,65	0,42	25	5	0	CVPG	1,65	0,32	20%	1,32	1,98	5	
Other					3	0							3	
														1x 241, 2x 242
Sample B		0,984	0,058	5,8	56							56	56	100
(240) Siemens (Dade) Actin FS		0,953	0,038	4	27	0	CVPG	0,965	0,01	20%	0,772	1,16	27	
(246) Mindray APTT Reagent		1,04	0,041	4	15	0	CVPG	1,04	0,026	20%	0,832	1,25	15	
(256) IL SynthASil		0,965	0,022	2,3	6	0	CVPG	0,976	0,012	20%	0,78	1,18	6	
(257) Diagon Dia-PTT-Liquid		1,05	0,022	2,1	5	0	CVPG	1,03	0,045	20%	0,824	1,24	5	
Other					3	0							3	
														1x 241, 2x 242
(171) Fibrinogen	[g/L]				56							56	55	98
Sample A												56	55	98
All results		2,04	0,19	9,5	56	0	CVP	2,07	0,035	25%	1,55	2,59	56	
Sample B												56	56	100
All results		2,8	0,19	6,7	56	0	CVP	2,84	0,032	25%	2,13	3,55	56	
(172) Prothrombin test (INR)	[-]				58							58	56	97
Sample A		1,94	0,25	13	58							58	56	97
All results (without individual groups)		2,05	0,12	5,8	43	0	CVP	2,07	0,018	20%	1,65	2,49	43	
(177) Mindray		1,61	0,072	4,5	15	0	CVPG	1,61	0,046	12%	1,41	1,81	15	
Sample B												58	58	100
All results		1,01	0,036	3,6	58	0	CVP	1,02	0,006	20%	0,816	1,23	58	
(179) Prothrombin test (ratio)	[-]				58							58	55	95
Sample A		1,86	0,23	12	58							58	55	95
All results (without individual groups)		1,94	0,17	8,8	43	0	CVP	2	0,018	20%	1,6	2,4	43	
(177) Mindray		1,63	0,096	5,9	15	0	CVPG	1,63	0,061	12%	1,43	1,83	15	
Sample B												58	58	100
All results		1	0,035	3,5	58	0	CVP	1,01	0,006	20%	0,808	1,22	58	
(173) Thrombin time (time)	[s]				38							32	30	94
Sample A		16,6	1,8	11	38							32	30	94
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		15,4	0,71	4,6	18	0	CVPG	16	0,37	15%	13,6	18,4	18	
(6) Thrombin units: 3 IU/mL (NIH); (38) IL		17,3	0,67	3,9	5	0	CVPG	18,1	0,36	15%	15,3	20,9	5	
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		17,1	1,1	6,3	8	0	CVPG	17,1	0,82	15%	14,5	19,7	8	
Other					7	0								1
														1x 1/38, 1x 1/149, 1x 2/149, 1x 3/149, 1x 6/175, 2x 7/175
Sample B		14,7	0,98	6,7	38							32	31	97
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		14,3	0,41	2,9	18	0	CVPG	14,6	0,17	15%	12,4	16,8	18	
(6) Thrombin units: 3 IU/mL (NIH); (38) IL		15	0,82	5,5	5	0	CVPG	15,6	0,3	15%	13,2	18	5	
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		15,5	1,4	9,3	8	0	CVPG	15,5	1,1	15%	13,1	17,9	8	
Other					7	0								1
														1x 1/38, 1x 1/149, 1x 2/149, 1x 3/149, 1x 6/175, 2x 7/175
(174) Thrombin time (ratio)	[-]				34							29	27	93
Sample A		1,03	0,12	12	34							29	27	93
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		0,958	0,074	7,8	15	0	CVPG	0,955	0,027	20%	0,764	1,15	15	
(6) Thrombin units: 3 IU/mL (NIH); (38) IL		1,29	0,16	13	5	0	CVPG	1,21	0,041	20%	0,968	1,46	5	
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		0,985	0,096	9,8	8	0	CVPG	0,985	0,073	20%	0,788	1,19	8	
Other					6	0								1
														1x 1/38, 1x 1/175, 1x 2/149, 1x 3/149, 1x 6/175, 1x 7/175

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							AV	U _{AV}	D _{max}	LL	UL			
Sample B		0,913	0,067	7,3	34							29	28	97
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		0,901	0,054	6	15	0	CVPG 0,892	0,02	20%	0,713	1,08	15		
(6) Thrombin units: 3 IU/mL (NIH); (38) IL		1,1	0,13	12	5	0	CVPG 1,04	0,035	20%	0,832	1,25	5		
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		0,895	0,052	5,8	8	0	CVPG 0,895	0,039	20%	0,716	1,08	8		
Other					6	0						1		
							1x 1/38, 1x 1/175, 1x 2/149, 1x 3/149, 1x 6/175, 1x 7/175							