

EQA round: HKG1/23 - Haemocoagulation Tests

Deadline: 31.3.2023

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	[%]				27							27	26	96
Sample A												27	26	96
All results		96,2	4,4	4,5	27	0	CVP	96,1	0,98	18%	78,8	114	27	
Sample B												27	27	100
All results		38,8	4	10	27	0	CVP	38,6	0,73	25%	28,9	48,3	27	
(170) APTT - ratio	[-]				42							33	29	88
Sample A		1,1	0,2	18	42							33	32	97
(240) Siemens (Dade) Actin FS		0,941	0,057	6	17	0	CVPG	0,934	0,015	20%	0,747	1,13	17	
(242) Siemens (Dade) Pathromtin SL		1,22	0,026	2,1	7	0	CVPG	1,24	0,018	20%	0,992	1,49	7	
(246) Mindray APTT Reagent		1,68	0,51	31	8	0							0	
(257) Diagon Dia-PTT-Liquid		1,01	0,1	10	5	0	CVPG	1,01	0,29	20%	0,808	1,22	5	
Other					5	0							4	
														1x 241, 3x 256, 1x 269
Sample B		1,91	0,52	27	42							33	29	88
(240) Siemens (Dade) Actin FS		1,56	0,15	9,9	17	0	CVPG	1,58	0,039	20%	1,26	1,9	17	
(242) Siemens (Dade) Pathromtin SL		2,04	0,057	2,8	7	0	CVPG	2,07	0,033	20%	1,65	2,49	7	
(246) Mindray APTT Reagent		2,39	0,87	36	8	0							0	
(257) Diagon Dia-PTT-Liquid		2,45	0,23	9,4	5	0	CVPG	2,45	0,65	20%	1,96	2,94	5	
Other					5	0							4	
														1x 241, 3x 256, 1x 269
(171) Fibrinogen	[g/L]				41							41	41	100
Sample A												41	41	100
All results		2,85	0,21	7,4	41	0	CVP	2,91	0,036	25%	2,18	3,64	41	
Sample B												41	41	100
All results		1,06	0,082	7,7	41	0	CVP	1,07	0,018	25%	0,802	1,34	41	
(172) Prothrombin test (INR)	[-]				42							42	39	93
Sample A												42	42	100
All results		1,03	0,059	5,7	42	0	CVP	1,03	0,009	20%	0,824	1,24	42	
Sample B												42	39	93
All results		1,63	0,16	9,6	42	1	CVP	1,68	0,025	20%	1,34	2,02	42	
(179) Prothrombin test (ratio)	[-]				41							41	38	93
Sample A												41	40	98
All results		1,02	0,054	5,3	41	0	CVP	1,02	0,009	20%	0,816	1,23	41	
Sample B												41	39	95
All results		1,57	0,12	7,7	41	0	CVP	1,64	0,024	20%	1,31	1,97	41	
(173) Thrombin time (time)	[s]				27							21	19	90
Sample A		16,6	1,9	12	27							21	19	90
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		16	0,75	4,7	13	0	CVPG	16	0,17	15%	13,6	18,4	13	
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		15,8	0,87	5,5	6	0	CVPG	15,8	1,2	15%	13,4	18,2	6	
Other					8	0							2	
														1x 1/149, 1x 1/175, 1x 3/149, 1x 6/38, 1x 6/175, 1x 7/38, 2x 7/175
Sample B		19,8	4,9	25	27							21	19	90
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		15,9	0,97	6,1	13	0	CVPG	16,4	0,3	15%	13,9	18,9	13	
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		24	2,1	9	6	0	CVPG	24	3	15%	20,4	27,6	6	
Other					8	0							2	
														1x 1/149, 1x 1/175, 1x 3/149, 1x 6/38, 1x 6/175, 1x 7/38, 2x 7/175
(174) Thrombin time (ratio)	[-]				23							19	19	100
Sample A		1,01	0,068	6,7	23							19	19	100
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		0,988	0,021	2,1	10	0	CVPG	0,972	0,019	20%	0,777	1,17	10	
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		0,97	0,059	6,1	6	0	CVPG	0,97	0,083	20%	0,776	1,17	6	
Other					7	0							3	
														1x 1/175, 1x 3/149, 2x 6/38, 1x 6/175, 2x 7/175
Sample B		1,2	0,28	23	23							19	19	100
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		0,997	0,086	8,6	10	0	CVPG	0,996	0,03	20%	0,796	1,2	10	
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		1,46	0,11	7,6	6	0	CVPG	1,46	0,16	20%	1,16	1,76	6	

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							AV	U _{AV}	D _{max}	LL	UL			
Other					7	0	1x 1/175, 1x 3/149, 2x 6/38, 1x 6/175, 2x 7/175					3		