

EQA round: HKG3/23 - Haemocoagulation Tests

Deadline: 15.9.2023

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	[%]				24							24	21	88
Sample A												24	21	88
All results		44,3	3,9	8,8	24	0	CVP	43,7	0,73	25%	32,7	54,7	24	
Sample B												24	24	100
All results		98,1	4,6	4,7	24	0	CVP	97,2	1,1	18%	79,7	115	24	
(170) APTT - ratio	[-]				35							32	31	97
Sample A												32	31	97
(240) Siemens (Dade) Actin FS		2,67	0,13	5	16	0	CVPG	2,68	0,065	20%	2,14	3,22	16	
(242) Siemens (Dade) Pathromtin SL		3,01	0,16	5,4	7	0	CVPG	3,1	0,094	20%	2,48	3,72	7	
(246) Mindray APTT Reagent		3,12	0,2	6,4	5	0	CVPG	3,12	0,57	20%	2,49	3,75	5	
Other					7	0							4	
								1x 241, 3x 256, 3x 257						
Sample B												32	32	100
(240) Siemens (Dade) Actin FS		1,23	0,044	3,6	16	0	CVPG	1,25	0,02	20%	1	1,5	16	
(242) Siemens (Dade) Pathromtin SL		1,18	0,037	3,2	7	0	CVPG	1,2	0,019	20%	0,96	1,44	7	
(246) Mindray APTT Reagent		1,07	0,082	7,7	5	0	CVPG	1,07	0,23	20%	0,856	1,29	5	
Other					7	0							4	
								1x 241, 3x 256, 3x 257						
(171) Fibrinogen	[g/L]				35							35	34	97
Sample A												35	35	100
All results		1,27	0,11	8,7	35	0	CVP	1,28	0,021	25%	0,96	1,6	35	
Sample B												35	34	97
All results		2,73	0,25	9,2	35	0	CVP	2,8	0,042	25%	2,1	3,5	35	
(172) Prothrombin test (INR)	[-]				36							36	34	94
Sample A												36	34	94
All results (without individual groups)		2,36	0,18	7,4	36							36	34	94
Other		2,36	0,19	8	32	0	CVP	2,42	0,033	20%	1,93	2,91	32	
					4	0							4	
								4x 3						
Sample B												36	36	100
All results		1,02	0,047	4,6	36	0	CVP	1,02	0,01	20%	0,816	1,23	36	
(179) Prothrombin test (ratio)	[-]				35							35	34	97
Sample A												35	34	97
All results (without individual groups)		2,23	0,16	7,1	35							35	34	97
Other		2,25	0,18	8,1	31	0	CVP	2,32	0,036	20%	1,85	2,79	31	
					4	0							4	
								4x 3						
Sample B												35	35	100
All results		1,02	0,043	4,2	35	0	CVP	1,02	0,009	20%	0,816	1,23	35	
(173) Thrombin time (time)	[s]				21							18	17	94
Sample A												18	17	94
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		17,6	4,9	28	21							18	17	94
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		13,9	1,1	8	11	0	CVPG	14,2	0,38	15%	12	16,4	11	
Other		21,7	1,8	8,5	5	0	CVPG	21,7	5,2	15%	18,4	25	5	
					5	0							2	
								1x 1/175, 1x 3/149, 1x 6/38, 1x 7/38, 1x 7/175						
Sample B												18	17	94
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		17,9	1,3	7,2	21							18	17	94
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		18	0,63	3,5	11	0	CVPG	18,2	0,17	15%	15,4	21	11	
Other		17,1	0,57	3,3	5	0	CVPG	17,1	1,6	15%	14,5	19,7	5	
					5	0							2	
								1x 1/175, 1x 3/149, 1x 6/38, 1x 7/38, 1x 7/175						
(174) Thrombin time (ratio)	[-]				17							15	15	100
Sample A												15	15	100
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		1,13	0,35	31	17							15	15	100
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		0,85	0,089	10	8	0	CVPG	0,865	0,035	20%	0,692	1,04	8	
Other		1,44	0,12	8,2	5	0	CVPG	1,44	0,34	20%	1,15	1,73	5	
					4	0							2	
								1x 3/149, 1x 6/38, 1x 7/38, 1x 7/175						
Sample B												15	15	100
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		1,11	0,058	5,2	17							15	15	100
Other		1,11	0,059	5,3	8	0	CVPG	1,09	0,026	20%	0,872	1,31	8	

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							AV	U _{AV}	D _{max}	LL	UL				
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177)		1,14	0,037	3,3	5	0	CVPG	1,14	0,1	20%	0,912	1,37	5		
Mindray															
Other					4	0	1x 3/149, 1x 6/38, 1x 7/38, 1x 7/175					2			