

EQA round: HKG1/24 - Haemocoagulation Tests

Deadline: 29.3.2024

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	[%]				30							30	27	90
Sample A												30	30	100
All results		101	5,2	5,2	30	0	CVP	102	1	18%	83,6	121	30	
Sample B												30	27	90
All results		40,6	5,4	13	30	0	CVP	39,5	0,79	25%	29,6	49,4	30	
(170) APTT - ratio	[-]				46							44	41	93
Sample A		1,22	0,42	34	46							44	42	95
(240) Siemens (Dade) Actin FS		0,918	0,045	4,9	20	0	CVPG	0,912	0,012	20%	0,729	1,1	20	
(242) Siemens (Dade) Pathromtin SL		1,22	0,04	3,3	8	0	CVPG	1,29	0,02	20%	1,03	1,55	8	
(246) Mindray APTT Reagent		1,98	0,28	14	12	0	CVPG	1,98	0,2	20%	1,58	2,38	12	
Other					6	0							4	
								1x 241, 3x 256, 2x 257						
Sample B		2,03	0,59	29	46							44	41	93
(240) Siemens (Dade) Actin FS		1,67	0,16	9,5	20	0	CVPG	1,62	0,043	20%	1,29	1,95	20	
(242) Siemens (Dade) Pathromtin SL		2,05	0,053	2,6	8	0	CVPG	2,06	0,034	20%	1,64	2,48	8	
(246) Mindray APTT Reagent		2,91	0,45	15	12	0	CVPG	2,91	0,32	20%	2,32	3,5	12	
Other					6	0							4	
								1x 241, 3x 256, 2x 257						
(171) Fibrinogen	[g/L]				47							47	45	96
Sample A												47	46	98
All results		2,93	0,21	7,2	47	0	CVP	3,02	0,04	25%	2,26	3,78	47	
Sample B												47	46	98
All results		1,14	0,1	9	47	0	CVP	1,18	0,021	25%	0,885	1,48	47	
(172) Prothrombin test (INR)	[-]				47							47	44	94
Sample A												47	47	100
All results		1,03	0,053	5,1	47	0	CVP	1,04	0,009	20%	0,832	1,25	47	
Sample B		1,59	0,2	13	47							47	44	94
All results (without individual groups)		1,59	0,21	13	43	0	CVP	1,65	0,021	20%	1,32	1,98	43	
Other					4	0							4	
								4x 3						
(179) Prothrombin test (ratio)	[-]				46							46	43	93
Sample A												46	46	100
All results		1,02	0,052	5,1	46	0	CVP	1,03	0,009	20%	0,824	1,24	46	
Sample B		1,53	0,17	11	46							46	43	93
All results (without individual groups)		1,54	0,18	12	42	0	CVP	1,61	0,022	20%	1,28	1,94	42	
Other					4	0							4	
								4x 3						
(173) Thrombin time (time)	[s]				30							23	22	96
Sample A		15,8	1,4	9	30							23	22	96
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		16	0,61	3,8	14	0	CVPG	16,2	0,17	15%	13,7	18,7	14	
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		14,4	0,59	4,1	7	0	CVPG	14,4	0,58	15%	12,2	16,6	7	
Other					9	0							2	
								2x 1/149, 1x 1/179, 1x 3/149, 1x 5/179, 1x 6/38, 1x 6/177, 1x 7/38, 1x 7/175						
Sample B		18,8	5	26	30							23	22	96
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		15,7	0,61	3,9	14	0	CVPG	15,9	0,22	15%	13,5	18,3	14	
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		23,6	2	8,5	7	0	CVPG	23,6	1,9	15%	20	27,2	7	
Other					9	0							2	
								2x 1/149, 1x 1/179, 1x 3/149, 1x 5/179, 1x 6/38, 1x 6/177, 1x 7/38, 1x 7/175						
(174) Thrombin time (ratio)	[-]				23							20	20	100
Sample A		0,987	0,069	7	23							20	20	100
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		0,965	0,029	3	11	0	CVPG	0,958	0,02	20%	0,766	1,15	11	
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		0,96	0,03	3,1	7	0	CVPG	0,96	0,029	20%	0,768	1,16	7	
Other					5	0							2	
								1x 3/149, 1x 6/38, 1x 6/177, 1x 7/38, 1x 7/175						
Sample B		1,26	0,39	31	23							20	20	100

EQA round: HGG1/24 - Haemocoagulation Tests

Deadline: 29.3.2024

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

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				
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		0,954	0,036	3,8	11	0	CVPG	0,953	0,02	20%	0,762	1,15	11		
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		1,61	0,082	5,1	7	0	CVPG	1,61	0,079	20%	1,28	1,94	7		
Other					5	0							2		
							1x 3/149, 1x 6/38, 1x 6/177, 1x 7/38, 1x 7/175								