

EQA round: HS2/24 - Haemocoagulation Special

Deadline: 15.11.2024

Setup: groups - P (manufacturer of instrument); 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	U _{AV} = expanded uncertainty of the assigned value (k = 2)	UL = upper limit
N _{tot} = total number of the results		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				
Set 1															
(479) Factor VIII	[%]				97							97	94	97	
Sample A1		125	12	9,3	97		CVP	125	2,9	25%	93,7	157	97	94	97
(38) Werfen (IL)		117	12	10	18	0							18		
(63) Sysmex		128	11	8,9	54	0							54		
(94) Stago		122	8,2	6,7	9	0							9		
(149) Siemens (Dade, BN, Dimension)		128	6,2	4,8	5	0							5		
(179) Siemens		127	4,2	3,3	5	0							5		
Other					6	0							6		
								1x 12, 1x 162, 1x 175, 2x 177, 1x 999							
(480) von Willebrand f. (activity)	[%]				30							30	30	100	
Sample A1		90,1	7	7,8	30		CVP	90,1	3,1	25%	67,5	113	30	30	100
(38) Werfen (IL)		89,9	9,7	11	7	0							7		
(63) Sysmex		90,7	6,4	7,1	15	0							15		
Other					8	0							8		
								1x 0, 3x 94, 2x 149, 1x 162, 1x 179							
(481) von Willebrand f. (antigen)	[%]				28							28	28	100	
Sample A1		108	6,3	5,9	28		CVP	108	2,9	20%	86,4	130	28	28	100
(38) Werfen (IL)		114	7,9	6,9	7	0							7		
(63) Sysmex		106	3,6	3,4	12	0							12		
Other					9	0							9		
								1x 0, 1x 15, 3x 94, 2x 149, 2x 179							
Set 2															
(482) Factor IX	[%]				42							42	42	100	
Sample A2		56,5	4,6	8,2	42		CVP	56,5	1,7	25%	42,3	70,7	42	42	100
(38) Werfen (IL)		53,2	4,7	8,9	10	0							10		
(63) Sysmex		57,7	5,2	9	20	0							20		
(94) Stago		58,5	2,2	3,8	5	0							5		
Other					7	0							7		
								1x 12, 2x 149, 1x 162, 3x 179							
(483) Factor XI	[%]				29							29	28	97	
Sample A2		56,8	5,4	9,5	29		CVP	56,8	2,4	25%	42,6	71	29	28	97
(38) Werfen (IL)		53,8	5,5	10	8	0							8		
(63) Sysmex		59,8	5,9	9,8	11	0							11		
Other					10	0							10		
								1x 12, 4x 94, 2x 149, 3x 179							
(484) Factor XII	[%]				37							37	37	100	
Sample A2		45	4,3	9,5	37		CVP	45	1,7	25%	33,7	56,3	37	37	100
(38) Werfen (IL)		43,4	5,7	13	8	0							8		
(63) Sysmex		45,3	3,2	7	18	0							18		
(94) Stago		47	1,5	3,2	5	0							5		
Other					6	0							6		
								1x 12, 2x 149, 3x 179							
Set 3															
(485) Protein C	[%]				80							80	78	98	
Sample A3		124	6	4,9	80		CVP	124	1,7	20%	99,2	149	80	78	98
(38) Werfen (IL)		121	4,8	4	18	0							18		
(63) Sysmex		125	6	4,8	41	0							41		
(94) Stago		130	5,2	4	9	0							9		
(149) Siemens (Dade, BN, Dimension)		126	2,3	1,8	5	0							5		
Other					7	0							7		
								1x 12, 1x 175, 4x 179, 1x 999							
(486) Protein S	[%]				74							74	73	99	
Sample A3		85,5	11	12	74		CVP	85,5	3	30%	59,8	112	74	73	99
(38) Werfen (IL)		83,9	4,7	5,6	16	0							16		
(63) Sysmex		88	12	13	36	0							36		
(94) Stago		81,5	3,7	4,5	9	0							9		
(149) Siemens (Dade, BN, Dimension)		82,2	20	24	6	0							6		
Other					7	0							7		
								1x 12, 1x 175, 4x 179, 1x 999							
(487) ProC Global (norm. ratio)	[-]				25							25	25	100	
Sample A3		0,412	0,029	7	25		CVP	0,412	0,014	25%	0,309	0,515	25	25	100
(63) Sysmex		0,41	0,024	5,9	15	0							15		

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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				
Other					10	0	1x 12, 1x 38, 4x 94, 2x 149, 1x 162, 1x 179					10			
Set 4															
(491) Factor II	[%]				32							32	32	100	
Sample A4		83,1	6,4	7,7	32		CVP	83,1	2,8	25%	62,3	104	32	32	100
(38) Werfen (IL)		78,3	3,5	4,5	6	0							6		
(63) Sysmex		85,7	5,2	6,1	15	0							15		
Other					11	0							11		
1x 12, 4x 94, 2x 149, 1x 175, 2x 179, 1x 999															
(492) Factor V	[%]				34							34	33	97	
Sample A4		78,7	7,3	9,3	34		CVP	78,7	3,1	25%	59	98,4	34	33	97
(38) Werfen (IL)		69,3	6	8,7	6	0							6		
(63) Sysmex		81	6,1	7,6	17	0							17		
Other					11	0							11		
1x 12, 4x 94, 2x 149, 1x 175, 2x 179, 1x 999															
(493) Factor VII	[%]				38							38	36	95	
Sample A4		96,1	8,6	8,9	38		CVP	96,1	3,4	25%	72	121	38	36	95
(38) Werfen (IL)		88	4,4	5	6	0							6		
(63) Sysmex		97	8,5	8,7	21	0							21		
Other					11	0							11		
1x 12, 4x 94, 2x 149, 1x 175, 2x 179, 1x 999															
(494) Factor X	[%]				32							32	31	97	
Sample A4		79,5	7,8	9,9	32		CVP	79,5	3,4	25%	59,6	99,4	32	31	97
(38) Werfen (IL)		73,6	8,2	11	6	0							6		
(63) Sysmex		80,6	6,2	7,7	16	0							16		
Other					10	0							10		
1x 12, 4x 94, 2x 149, 1x 175, 2x 179															