

EQA round: HS1/23 - Haemocoagulation Special

Deadline: 16.6.2023

Setup: groups - measurement principle; minimal size of the groups n = 5

RoM = robust average

SD = standard deviation

CV = coefficient of variation

N_{tot} = total number of the resultsN_{out} = number of the results removed before calculation

AV = assigned value

CVP = consensus of all participants

U_{AV} = expanded uncertainty of the assigned value (k = 2)D_{max} = acceptable difference

LL = lower limit

UL = upper limit

N_{eva} = number of the results assessedN_{suc} = number of successful resultsS_{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	[%]				99							99	96	97	
Sample A1		0,707	0,35	50	99		CVP	0,707	0,088	±1,25	0	1,96	99	96	97
(1) Coagulometer		0,662	0,34	51	87	3							87		
(4) Chromogenous substrat		1,04	0,31	30	12	0							12		
(480) von Willebrand f. (activity)	[%]				29							29	29	100	
Sample A1					29							29	29	100	
(0) Not specified		51,9	4,4	8,6	29	0	CVP	51,9	2	25%	38,9	64,9	29		
(481) von Willebrand f. (antigen)	[%]				28							28	28	100	
Sample A1					28							28	28	100	
(0) Not specified		59,4	3,7	6,3	28	0	CVP	59,4	1,7	20%	47,5	71,3	28		
Set 2															
(482) Factor IX	[%]				43							43	41	95	
Sample A2					43							43	41	95	
(1) Coagulometer		51,6	5,2	10	43	0	CVP	51,6	2	25%	38,7	64,5	43		
(483) Factor XI	[%]				31							31	30	97	
Sample A2					31							31	30	97	
(1) Coagulometer		32,5	3,2	10	31	0	CVP	32,5	1,4	25%	24,3	40,7	31		
(484) Factor XII	[%]				37							37	35	95	
Sample A2					37							37	35	95	
(1) Coagulometer		42,5	4,1	9,6	37	0	CVP	42,5	1,6	25%	31,8	53,2	37		
Set 3															
(485) Protein C	[%]				81							81	78	96	
Sample A3		41,7	2,5	6	81		CVP	41,7	0,68	20%	33,3	50,1	81	78	96
(1) Coagulometer		45,2	6,3	14	5	0							5		
(2) Chromogenous substrat		41,6	2,4	5,7	75	0							75		
Other					1	0							1		
							1x 0								
(486) Protein S	[%]				75							75	74	99	
Sample A3		96,7	9,5	9,8	75		CVP	96,7	2,7	30%	67,6	126	75	74	99
(1) Coagulometer		99,7	11	11	51	0							51		
(3) ELISA, LIA, EID		91,6	3,5	3,8	22	0							22		
Other					2	0							2		
							1x 2, 1x 99								
(487) ProC Global (norm. ratio)	[-]				24							24	22	92	
Sample A3					24							24	22	92	
(1) Coagulometer		0,583	0,057	9,7	24	0	CVP	0,583	0,028	25%	0,437	0,729	24		
Set 4															
(491) Factor II	[%]				33							33	33	100	
Sample A4					33							33	33	100	
(1) Coagulometer		34,8	2,9	8,4	33	0	CVP	34,8	1,2	25%	26,1	43,5	33		
(492) Factor V	[%]				34							34	34	100	
Sample A4					34							34	34	100	
(1) Coagulometer		71,4	4,3	6	34	0	CVP	71,4	1,8	25%	53,5	89,3	34		
(493) Factor VII	[%]				38							38	36	95	
Sample A4					38							38	36	95	
(1) Coagulometer		33,4	5,8	17	38	0	CVP	33,4	2,3	34%	22	44,8	38		
(494) Factor X	[%]				32							32	31	97	
Sample A4					32							32	31	97	
(1) Coagulometer		18,1	1,8	9,8	32	0	CVP	18,1	0,77	25%	13,5	22,7	32		