

EQA round: AP1/23 - Antithrombotic Agents

Deadline: 31.3.2023

Setup: groups - manufacturer of instrument; 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																
(108) Apixaban	[µg/L]				39									39	37	95
Sample A1		63,9	9	14	39		CVP	63,9	3,6	25%	47,9	79,9		39	37	95
(38) IL		72,3	4,2	5,9	13	0								13		
(63) Sysmex		59,9	6,1	10	17	1								17		
(94) Stago		58	12	20	6	0								6		
Other					3	0								3		
								1x 149, 1x 162, 1x 179								
Sample B1		281	20	7,2	39		CVP	281	8	25%	210	352		39	38	97
(38) IL		294	11	3,9	13	0								13		
(63) Sysmex		269	19	7	17	1								17		
(94) Stago		277	23	8,3	6	0								6		
Other					3	0								3		
								1x 149, 1x 162, 1x 179								
Set 2																
(109) Dabigatran	[µg/L]				36									36	34	94
Sample A2		48,3	4,4	9,2	36		CVP	48,3	1,8	30%	33,8	62,8		36	34	94
(38) IL		48,3	2,3	4,7	12	0								12		
(63) Sysmex		48,2	7,8	16	15	1								15		
(94) Stago		49	3	6,1	5	0								5		
Other					4	0								4		
								2x 149, 1x 162, 1x 179								
Sample B2		215	22	10	36		CVP	215	9	30%	150	280		36	35	97
(38) IL		209	9,7	4,6	12	0								12		
(63) Sysmex		215	25	12	15	1								15		
(94) Stago		249	14	5,5	5	0								5		
Other					4	0								4		
								2x 149, 1x 162, 1x 179								
Set 3																
(110) Rivaroxaban	[µg/L]				45									45	44	98
Sample A3		80,1	6	7,4	45		CVP	80,1	2,2	25%	60	101		45	44	98
(38) IL		83,7	4,7	5,6	15	0								15		
(63) Sysmex		79,1	5,4	6,8	20	1								20		
(94) Stago		74,4	3,9	5,2	6	0								6		
Other					4	0								4		
								2x 149, 1x 162, 1x 179								
Sample B3		292	27	9,1	45		CVP	292	9,8	25%	219	365		45	44	98
(38) IL		284	13	4,4	15	0								15		
(63) Sysmex		298	37	12	20	1								20		
(94) Stago		292	6,1	2,1	6	0								6		
Other					4	0								4		
								2x 149, 1x 162, 1x 179								