

EQA round: AP2/23 - Antithrombotic Agents

Deadline: 15.9.2023

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]				37									37	36	97
Sample A1		66,8	5,6	8,3	37		CVP	66,8	2,2	25%	50,1	83,5		37	36	97
(38) IL		70,3	5,3	7,6	12	0								12		
(63) Sysmex		64,7	4,2	6,6	16	0								16		
(94) Stago		68	5,9	8,7	6	0								6		
Other					3	0								3		
																1x 149, 1x 162, 1x 179
Sample B1		287	16	5,6	37		CVP	287	6,5	25%	215	359		37	37	100
(38) IL		291	10	3,5	12	0								12		
(63) Sysmex		280	21	7,5	16	0								16		
(94) Stago		296	13	4,3	6	0								6		
Other					3	0								3		
																1x 149, 1x 162, 1x 179
Set 2																
(109) Dabigatran	[µg/L]				37									37	36	97
Sample A2		211	19	8,8	37		CVP	211	7,5	30%	147	275		37	37	100
(38) IL		202	20	10	13	0								13		
(63) Sysmex		210	14	6,7	15	0								15		
(94) Stago		232	5,9	2,6	5	0								5		
Other					4	0								4		
																2x 149, 1x 162, 1x 179
Sample B2		45,9	6,2	14	37		CVP	45,9	2,5	30%	32,1	59,7		37	36	97
(38) IL		47,4	3,9	8,2	13	0								13		
(63) Sysmex		45,3	7,2	16	15	0								15		
(94) Stago		43	3	6,9	5	0								5		
Other					4	0								4		
																2x 149, 1x 162, 1x 179
Set 3																
(110) Rivaroxaban	[µg/L]				43									43	41	95
Sample A3		286	22	7,7	43		CVP	286	8,2	25%	214	358		43	42	98
(38) IL		284	9,7	3,4	14	0								14		
(63) Sysmex		287	31	11	19	0								19		
(94) Stago		292	10	3,6	6	0								6		
Other					4	0								4		
																2x 149, 1x 162, 1x 179
Sample B3		78,4	6,1	7,8	43		CVP	78,4	2,3	25%	58,8	98		43	41	95
(38) IL		80,9	5,7	7,1	14	0								14		
(63) Sysmex		77,3	5,8	7,5	19	0								19		
(94) Stago		74	5,9	8	6	0								6		
Other					4	0								4		
																2x 149, 1x 162, 1x 179