

EQA round: RC1/23 - Reticulocytes (Analyser)

Deadline: 16.6.2023

Setup: groups - measuring system; 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				
(213) Reticulocytes	[·10 ⁹ /L]				196								196	190	97
Sample A		105	10	10	196		CVP	105	1,8	40%	63	147	196	191	97
(737) Siemens Advia 120, 2120, 2120i		137	14	10	12	0							12		
(749) Sysmex XE, XS, XT series		110	38	34	8	0							8		
(763) Abbott Alinity, CELL-DYN Sapphire		126	9,6	7,7	6	0							6		
(765) Abbott CELL-DYN Ruby		111	8,9	8	9	0							9		
(771) MINDRAY BC 6xxx series		103	3,7	3,6	37	0							37		
(772) Sysmex XN series		105	6,2	5,9	102	0							102		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		84,5	11	13	21	0							21		
Other					1	0							1		
							1x 999								
Sample B		199	15	7,7	196		CVP	199	2,7	40%	119	279	196	192	98
(737) Siemens Advia 120, 2120, 2120i		241	28	12	12	0							12		
(749) Sysmex XE, XS, XT series		214	64	30	8	0							8		
(763) Abbott Alinity, CELL-DYN Sapphire		221	19	8,4	6	0							6		
(765) Abbott CELL-DYN Ruby		203	8,9	4,4	9	0							9		
(771) MINDRAY BC 6xxx series		201	6,3	3,1	37	0							37		
(772) Sysmex XN series		198	11	5,4	102	0							102		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		167	18	11	21	0							21		
Other					1	0							1		
							1x 999								