

EQA round: RC1/23 - Reticulocytes (Analyser)

Deadline: 16.6.2023

Setup: groups - measuring system; Slovakia; 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]				49							49	48	98	
Sample A		102	8,6	8,4	49		CVP	105	1,8	40%	63	147	49	49	100
(749) Sysmex XE, XS, XT series		106	32	31	6	0							6		
(771) MINDRAY BC 6xxx series		103	3,8	3,7	24	0							24		
(772) Sysmex XN series		104	3	2,9	9	0							9		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		83,1	12	14	7	0							7		
Other					3	0							3		
							2x 737, 1x 765								
Sample B		196	18	9,1	49		CVP	199	2,7	40%	119	279	49	48	98
(749) Sysmex XE, XS, XT series		211	59	28	6	0							6		
(771) MINDRAY BC 6xxx series		201	6,4	3,2	24	0							24		
(772) Sysmex XN series		198	6,4	3,3	9	0							9		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		155	17	11	7	0							7		
Other					3	0							3		
							2x 737, 1x 765								