

EQA round: SED1/24 - Erythrocyte Sedimentation Rate

Deadline: 29.3.2024

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

RoM = robust average	AV = assigned value	D _{max} = acceptable difference
SD = standard deviation	CVP = consensus of all participants	LL = lower limit
CV = coefficient of variation	U _{AV} = expanded uncertainty of the assigned value (k = 2)	UL = upper limit
N _{tot} = total number of the results		N _{eva} = number of the results assessed
N _{out} = number of the results removed before calculation		N _{suc} = number of successful results
		S _{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				
(541) Erythrocyte sedimentation (1 h)	[mm/1hod]				144								144	141	98
Sample A		61	11	18	144		CVP	61	2,2	asym.	30	92	144	142	99
(1) Instrument		66,2	9,1	14	31	0							31		
(2) Manual		59,6	11	18	113	0							113		
Sample B		7,7	1,7	22	144		CVP	7,7	0,35	asym.	2	13	144	142	99
(1) Instrument		7,99	1,5	19	31	0							31		
(2) Manual		7,62	1,7	23	113	0							113		
(542) Erythrocyte sedimentation (2 h)	[mm/2hod]				138								138	133	96
Sample A		116	17	15	138		CVP	116	3,6	50%	58	174	138	137	99
(1) Instrument		121	15	12	25	0							25		
(2) Manual		114	17	15	113	0							113		
Sample B		17,1	2,8	17	138		CVP	17,1	0,59	asym.	8	26	138	133	96
(1) Instrument		17,4	3,5	20	25	0							25		
(2) Manual		17	2,8	16	113	0							113		