

EQA round: T21/18 - Blood count (study) (study)

RoM = robust average	AV = assigned value	Dmax = acceptable percent difference
SD = standard deviation	CRV = certified reference value	LL = lower limit
CV = coefficient of variation	RV = reference value	UL = upper limit
Ntot = total number of participants	CVE = consensus value from experts	Neva = number of evaluated participants
Nout = number of results excluded before calculation	CVP = consensus value from all participants	Nsuc = number of successful participants
	CVPG = consensus value from participants groups	Srel = success (relative)
	U _{AV} = expanded uncertainty of the assigned value (k = 2)	

Test	[unit]						Comparability							
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}
(150) WBC					140							140	136	97%
Samples and groups	[·10(exp9)/L]													
Sample A		5,61	0,20	3,5	140	CVP	5,61	0,041	15%	4,76	6,46	140	138	99%
All results		5,61	0,20	3,5	140	0						140		
Sample B		5,16	0,19	3,8	140	CVP	5,16	0,040	15%	4,38	5,94	140	138	99%
All results		5,16	0,19	3,8	140	0						140		
(151) RBC					140							140	135	96%
Samples and groups	[·10(exp12)/L]													
Sample A		3,98	0,062	1,6	140	CVP	3,98	0,013	7%	3,7	4,26	140	136	97%
All results		3,98	0,062	1,6	140	0						140		
Sample B		4,56	0,071	1,6	140	CVP	4,56	0,015	7%	4,24	4,88	140	137	98%
All results		4,56	0,071	1,6	140	0						140		
(152) Haemoglobin					140							140	140	100%
Samples and groups	[g/L]													
Sample A		129	2,0	1,6	140	CVP	129	0,42	6%	121	137	140	140	100%
All results		129	2,0	1,6	140	0						140		
Sample B		137	2,0	1,5	140	CVP	137	0,42	6%	128	146	140	140	100%
All results		137	2,0	1,5	140	0						140		
(153) HCT					140							140	137	98%
Samples and groups	[-]													
Sample A		0,411	0,012	2,9	140	CVPG	0,411	,0025	10%	0,369	0,453	140	138	99%
All results		0,411	0,012	2,9	140	2						140		
Sample B		0,421	0,011	2,5	140	CVPG	0,421	,0022	10%	0,378	0,464	140	137	98%
All results		0,421	0,011	2,5	140	2						140		
(154) MCV					140							140	139	99%
Samples and groups	[fL]													
Sample A		103	2,4	2,3	140	CVPG	103	0,49	10%	92,7	114	140	139	99%
All results		103	2,4	2,3	140	0						140		
Sample B		92,1	1,7	1,9	140	CVPG	92,1	0,36	10%	82,8	102	140	140	100%
All results		92,1	1,7	1,9	140	0						140		
(155) Platelets					140							140	140	100%
Samples and groups	[·10(exp9)/L]													
Sample A		185	11	5,8	140	CVP	185	2,2	27%	135	235	140	140	100%
All results		185	11	5,8	140	0						140		
Sample B		193	13	6,8	140	CVP	193	2,7	27%	140	246	140	140	100%
All results		193	13	6,8	140	0						140		
(156) RDW					136							136	126	93%
Samples and groups	[%]													
Sample A		14,8	0,57	3,8	136	CVPG	14,8	0,12	10%	13,3	16,3	136	130	96%
All results		14,8	0,57	3,8	136	0						136		
Sample B		13,0	0,42	3,3	136	CVPG	13,0	0,089	10%	11,7	14,3	136	129	95%
All results		13,0	0,42	3,3	136	0						136		
(157) MPV					129							129	113	88%
Samples and groups	[fL]													
Sample A		11,5	0,80	7,0	129	CVPG	11,5	0,17	18%	9,43	13,6	129	115	89%
All results		11,5	0,80	7,0	129	0						129		
Sample B		9,81	0,80	8,2	129	CVPG	9,81	0,17	18%	8,04	11,6	129	114	88%
All results		9,81	0,80	8,2	129	0						129		
(158) PDW [%]					21							21	0	0,00
Samples and groups	[%]													
Sample A		27,1	19	70	21	CVPG	27,1	10	15%	23	31,2	21	0	0,00
All results		27,1	19	70	21	0						21		
Sample B		25,1	16	63	21	CVPG	25,1	8,5	15%	21,3	28,9	21	0	0,00
All results		25,1	16	63	21	0						21		
(165) PDW [fL]					83							83	80	96%
Samples and groups	[fL]													
Sample A		14,9	0,82	5,5	83	CVP	14,9	0,22	15%	12,6	17,2	83	81	98%
All results		14,9	0,82	5,5	83	0						83		
Sample B		11,7	0,63	5,3	83	CVP	11,7	0,17	15%	9,94	13,5	83	80	96%
All results		11,7	0,63	5,3	83	0						83		

Test	[unit]						Comparability							
		ROM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}
(166) PDW [-]					17							17	15	88%
Samples and groups	[-]													
Sample A		18,8	2,7	14	17	CVP	18,8	1,6	15%	15,9	21,7	17	16	94%
All results		18,8	2,7	14	17	0						17		
Sample B		18,2	2,3	12	17	CVP	18,2	1,3	15%	15,4	21	17	16	94%
All results		18,2	2,3	12	17	0						17		
st_kn_p						End of report								Printed: 18.09.2018