Summary statistics - quantitative results

EQA round: FOB2/24 - Faecal Occult Blood

Deadline: 29.11.2024

Setup: groups - R (manufacturer of kit); minimal size of the groups n = 5

RoM = robust average
SD = standard deviation
CV = coefficient of variation
N_{tot} = total number of the results
N_{out} = number of the results removed before calculation

AV = assigned value
CVPG = consensus of the participants' groups
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 assessed
N_{suc} = number of successful results
S_{rel} = relative success

Test Sample Group [unit]	RoM	SD	CV [%]	N_{tot}	N_{out}	Comparability	AV	U_{AV}	D_{max}	LL	UL	N_{eva}	N_{suc}	S_{rel} [%]
(107) **Haemoglobin** [µg/g]				204								191	162	85
Sample A	45,4	19	42	204								191	164	86
(57) Aidian (Orion)	38	7,9	21	86	0	CVPG	38	2,1	25%	28,5	47,5	86		
(116) Sentinel Diagnostics	64,3	4,4	6,8	47	0	CVPG	64,3	1,6	25%	48,2	80,4	47		
(124) SD BIOSENSOR	67,8	17	25	10	0	CVPG	67,8	13	25%	50,8	84,8	10		
(200) BodiTech	69,4	12	17	13	0	CVPG	69,4	8,1	25%	52	86,8	13		
(208) Eiken	30,1	2,6	8,5	27	0	CVPG	30,1	1,2	25%	22,5	37,7	27		
(999) another manufacturer	20,5	9,6	47	9	4	CVPG	20,5	27	25%	15,3	25,7	0		
(5) FOB Gold Calibrator Wide; (116) Sentinel Diagnostics	20,5	3,7	18	8	0	CVPG	20,5	2,8	25%	15,3	25,7	8		
Other				4	1	2x 60, 1x 148, 1x 174						0		
Sample B	131	47	36	204								191	175	92
(57) Aidian (Orion)	121	15	13	86	0	CVPG	121	4,1	25%	90,7	152	86		
(116) Sentinel Diagnostics	179	24	13	47	0	CVPG	179	8,6	25%	134	224	47		
(124) SD BIOSENSOR	140	18	13	10	0	CVPG	140	14	25%	105	175	10		
(200) BodiTech	200	0	0	13	0	CVPG	200		25%	150	250	13		
(208) Eiken	90,7	5,3	5,9	27	0	CVPG	90,7	2,5	25%	68	114	27		
(999) another manufacturer	85,6	100	120	9	2	CVPG	85,6	99	25%	64,2	107	0		
(5) FOB Gold Calibrator Wide; (116) Sentinel Diagnostics	60,7	3,8	6,2	8	0	CVPG	60,7	2,9	25%	45,5	75,9	8		
Other				4	1	2x 60, 1x 148, 1x 174						0		