

EQA round: FC1/23 - Calprotectin in Stool

Deadline: 3.3.2023

Setup: groups - 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 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				
(223) Calprotectin	[µg/g]				72								72	35	49
Sample A		29,4	13	46	72		CVP	29,4	4	50%	14,7	44,1	72	50	69
(135) OrgenTec		28,9	2,6	9	6	0							6		
(164) DiaSorin		16,3	6,2	38	7	0							7		
(166) Thermo Fisher		22	7,4	34	8	0							8		
(211) INOVA Diagnostics		21,6	8,1	37	6	0							6		
(219) Bühlmann		36,2	14	40	28	0							28		
(999) another manufacturer		41	31	76	12	3							12		
Other					5	0							5		
								2x 49, 1x 87, 1x 199, 1x 200							
Sample B		163	87	54	72		CVP	163	25	50%	81,5	245	72	48	67
(135) OrgenTec		384	130	35	6	0							6		
(164) DiaSorin		91	30	33	7	0							7		
(166) Thermo Fisher		159	36	23	8	0							8		
(211) INOVA Diagnostics		111	30	27	6	0							6		
(219) Bühlmann		148	70	48	28	0							28		
(999) another manufacturer		207	120	56	12	1							12		
Other					5	0							5		
								2x 49, 1x 87, 1x 199, 1x 200							