

Cell Count controlmilk - interlaboratory study - MS 06 - June 2024

No.	Instr.No.	Instr .	KIT		No.06-June 24			No.06-June 24			No.06-June 24			level Total %
			Slope	Inter-cept	Cell count Milk I			Cell count Milk II			Cell count Milk III			
					cells	VK% `r`	% calc.	cells	VK% `r`	% calc.	cells	VK% `r`	% calc.	
1	No.110/4	DCC			165	11,4	94%	333	7,5	85%	"467	3,9	70%	83%
2	No. 109/I	DCC			162	7,9	92%	351	5,5	89%	"547	4,6	82%	88%
3	No.110/2	DCC			163	6,9	93%	350	9,0	89%	"504	3,8	76%	86%
4	No. 111/I	DCC			"150	4,7	84%	365	3,3	93%	"595	3,0	89%	89%
5	No.110/3	DCC			"207	15,0	116%	371	5,3	94%	"573	7,9	86%	99%
6	No. 118	FC6000	1,00	0	164	3,4	93%	381	1,5	97%	628	1,9	94%	95%
7	No.21/III	FM	1,00	0	165	4,5	94%	380	2,3	96%	635	2,0	95%	95%
8	No. 32	TM FC	0,95	0	167	3,9	95%	383	1,9	97%	628	3,1	94%	95%
9	No.33/6	FM-FC			171	2,9	97%	381	1,3	97%	618	1,3	93%	96%
10	No. 115	FM FC	1,00	0	167	3,1	95%	378	7,3	96%				95%
11	No.33/10	FM 7			175	2,0	99%	386	2,0	98%	625	0,8	94%	97%
12	No. 37	Combi/FC			170	2,2	97%	387	2,2	98%	641	2,0	96%	97%
13	No.21/I	FM	1,00	0	179	5,6	102%	374	4,0	95%	627	3,7	94%	97%
14	No. 96	FC6000	1,00	0	174	2,9	99%	385	1,7	98%	635	1,7	95%	97%
15	No. 39/3	FM 7 DC	1,06	0	168	3,6	95%	412	3,8	105%	637	4,0	96%	99%
16	No.66/II	SCC-FCM			170	2,6	97%	397	1,9	101%	650	1,4	98%	98%
17	No.110/1	DCC			181	7,6	103%	362	5,1	92%	"512	3,8	77%	91%
18	No.63-573	FM7 DC	1,03	0	172	2,2	98%	393	1,7	100%			0%	66%
19	FC 14/II	FM-FC	1,00	0	174	1,7	99%	389	2,0	99%				99%
20	No.21/II	FM	1,00	0	175	4,7	99%	391	2,8	99%	652	2,7	98%	99%
21	No.107/IV	Combi 7			170	2,7	97%	399	1,5	101%	662	0,8	99%	99%
22	No.66/III	SCC-FCM			171	2,2	97%	398	1,4	101%	660	1,1	99%	99%
23	No.33/8	FM-FC			176	2,9	100%	407	2,0	103%	637	2,0	96%	100%
24	No.70	FM 7	1,00	0	180	4,2	102%	398	1,9	101%	639	1,6	96%	100%
25	No.19/I	FC 6000	1,00	0	171	1,2	97%	402	0,7	102%	672	0,8	101%	100%
26	No.63-267	FM FC	1,00	0	175	1,6	99%	400	0,9	102%	661	0,8	99%	100%
27	No.107/IV	Combi 7			172	2,6	98%	403	1,5	102%	668	1,5	100%	100%
28	No.66/I	SCC-FCM			173	2,6	98%	401	1,4	102%	667	0,8	100%	100%
29	No.162	SCC500			171	2,0	97%	413	1,3	105%				101%
30	No. 39/4	FM 7 DC	1,14	0	173	3,7	98%	420	3,6	107%	649	2,0	97%	101%
31	No.144	FM FC			175	4,6	99%	413	3,0	105%	650	2,2	98%	101%
32	No.107/I	Combi FT+			175	4,6	99%	403	2,2	102%	663	1,8	100%	100%
33	No.63-720	FM 7	1,02	0	178	2,5	101%	412	1,7	105%	650	2,0	98%	101%
34	No.107/II	Combi FT+			174	4,0	99%	413	1,6	105%	670	1,0	101%	101%
35	No.63-649	FM7 DC	1,03	0	175	1,0	99%	414	1,1	105%				
36	No.13	FM FC	1,00	0	181	3,8	103%	404	3,3	103%	661	2,3	99%	102%
37	No. 116	FC6000	1,00	0	181	1,8	103%	394	1,8	100%	672	1,8	101%	101%
38	No.19/III	FC 6000	1,00	0	177	1,1	101%	408	1,6	104%	671	1,1	101%	102%
39	No.33/12	FM DC			170	3,6	97%	414	1,9	105%	689	1,8	103%	102%
40	No. 152/1	7 DC	1,00		177	3,1	101%	422	1,1	107%	659	4,3	99%	102%
41	No.107/III	Combi 7			177	1,7	101%	413	1,5	105%	668	1,3	100%	102%
42	No.19/IV	FC 6000	1,00	0	180	1,5	102%	409	1,2	104%	665	1,1	100%	102%
43	No. 109/II	DCC			185	4,5	105%	386	3,2	98%	"558	4,0	84%	96%
44	No. 114	FC6000	1,00	0	175	3,9	99%	415	2,2	105%	679	2,7	102%	102%
45	No.19/V	FC 6000	1,00	0	181	1,4	103%	412	1,1	105%	665	1,1	100%	102%
46	No. 149/new	Combi/FC			173	3,5	98%	406	2,3	103%	699	1,5	105%	102%
47	No. 117	FC6000	1,00	0	179	2,1	102%	413	1,3	105%	671	1,3	101%	102%

MIH - Cell count interlaboratory studies					No.06-June 24			No.06-June 24			No.06-June 24			level
No.	Instr.No.	Instr.	KIT		Cell count Milk I			Cell count Milk II			Cell count Milk III			Total %
			Slope	Inter-cept	cells	VK%`r`	% calc.	cells	VK%`r`	% calc.	cells	VK%`r`	% calc.	
48	No. 39/1	FM5000	0,98	0	182	3,3	103%	410	2,8	104%	670	2,2	101%	103%
49	No.30/1	FC	1,00	0	178	2,8	101%	424	2,5	108%	670	1,7	101%	103%
50	No. 152/2	FT +	1,00		183	2,7	104%	416	1,5	106%	665	2,2	100%	103%
51	No. 115	FC6000	1,00	0	184	3,7	105%	417	2,7	106%	670	3,0	101%	104%
52	No. 36	Combi/FC			185	4,3	105%	405	3,3	103%	681	1,9	102%	103%
53	No.136	FC	1,00		189	4,1	107%	419	3,3	106%	654	2,6	98%	104%
54	No. 120	FC			179	3,5	102%	418	2,4	106%	691	1,6	104%	104%
55	No. 39/2	FM FC	1,00	0	186	3,0	106%	418	1,6	106%	678	2,2	102%	105%
56	No. 112-BS	BacSomatic			183	3,0	104%	442	3,2	112%	667	1,9	100%	105%
57	No- 02/A	Bacsomatic	1,00	0	185	2,6	105%	424	1,8	108%	699	1,6	105%	106%
58	No.19/II	FC 6000	1,00	0	184	1,7	105%							
59	No.158	FM 7DC	1,14	0	179	1,3	102%	432	1,1	110%	712	1,1	107%	106%
60	No- 02/B	Bacsomatic	1,00	0	"190	2,1	106%	"413	1,1	103%	"727	1,7	103%	104%
61	No- 02/C	Bacsomatic	1,00	0	"163	1,3	107%	"409	3,2	108%	"697	0,7	107%	107%
62	No.30/1b	FC	1,00	0	"182	2,8	101%	"394	2,9	98%				100%
63	No. 115-B	FM FC	1,00	0	"962	1,9	92%	"1308	1,2	93%	"1718	0,9	93%	93%
64	No.63-267 -B	FM FC	1,00	0			0%	"1461	0,9	104%				
65	No.63-720 -B	FM 7	1,02	0			0%	"1547	0,7	111%				
66	No. 39/1 PT	FM5000	0,98	0	"1032	1,7	98%	"1258	1,5	90%	"1695	1,4	91%	93%
67	No. 39/2 PT	FM FC	1,00	0	"1075	2,2	102%	"1320	4,3	94%	"1737	1,9	94%	97%
Mean					176		100%	399		101%	660		99%	
Median					175			404			664			
ref./calc.value					176	(158-194)	1050	394	354-433)	1400	666	(599-733)	1853	
r`VK %					3,4%			2,5%			2,1%			
s-R					6			21			21			
R`VK%					3,6%			5,3%			3,2%			

Geo-Mean (Tolerance = +/- uncertainty of measurement
ref.value (+/-10%)

175 163 188 399 357 441 660 618 702
176 158,4 193,6 394 354,6 433,4 666 599,4 732,6

SC: Somascope BS: Bacson
 SCC: Somacount DCC: DeLaf
 FM7-DC: new generation from Foss

VK%`r`: repeatability (Standard deviation of repeatability/arithm.mean*100)
 VK%`R`: reproducibility (Standard deviation of reproducibility/arithm.mean*100)
 s-R : Standard deviation of reproducibility

VK%`r`: Variationskoeffizient für die Wiederholbarkeit
 VK%`R`: Variationskoeffizient für die Vergleichbarkeit

Cell Count Controlmilk samples - interlaboratory study June 2024- MS 06

