

# Cell Count Controlmilk samples-Goat Milk - interlaboratory study

## October 25 MS 11

|                 |               |            |      |                | No.11-October 25  |             |            | No.11-October 25   |             |            | No.11-October 25    |              |            |         |       |
|-----------------|---------------|------------|------|----------------|-------------------|-------------|------------|--------------------|-------------|------------|---------------------|--------------|------------|---------|-------|
| KIT             |               |            |      |                | Cell count Milk I |             |            | Cell count Milk II |             |            | Cell count Milk III |              |            | level   | Slope |
| No.             | Instr.No.     | Instr .    | Slop | Inter-<br>cept | cells             | VK%<br>r    | %<br>calc. | cells              | VK%<br>r    | %<br>calc. | cells               | VK%<br>r     | %<br>calc. | Total % | %     |
| 1               | No. 109/I     | DCC        |      |                | "815,2            | 3,3         | 78%        | "1027,8            | 2,2         | 72%        | "1457,6             | 3,5          | 74%        | 75%     |       |
| 2               | No. 109/II    | DCC        |      |                | "810,2            | 2,1         | 78%        | "1103,6            | 5,2         | 77%        | "1433,2             | 9,1          | 73%        | 76%     |       |
| 3               | No.112/I      | FM FC3     |      |                | 989               | 2,1         | 95%        | 1392               | 1,6         | 97%        | 1904                | 4,9          | 97%        | 96%     | 0,95  |
| 4               | No.140/II     | FM FC      | 1,00 |                | 977               | 0,9         | 93%        | 1390               | 0,8         | 97%        | 1915                | 1,1          | 98%        | 96%     | 0,98  |
| 5               | No.140/I      | FM FC      | 1,00 |                | 985               | 0,4         | 94%        | 1394               | 0,9         | 97%        | 1918                | 0,7          | 98%        | 96%     | 0,97  |
| 6               | No. 72        | FM FC      | 1,00 | 0              | 1023              | 2,6         | 98%        | 1406               | 1,3         | 98%        | 1952                | 1,4          | 100%       | 98%     | 0,97  |
| 7               | No- 02/B      | Bacsomatic | 1,00 | 0              | 1043              | 1,6         | 100%       | 1429               | 2,3         | 100%       | 1936                | 1,9          | 99%        | 99%     | 0,93  |
| 8               | No. 39/2      | FM FC      | 1,00 | 0              | 1040              | 1,9         | 100%       | 1439               | 0,9         | 100%       | 1956                | 1,4          | 100%       | 100%    | 0,95  |
| 9               | No. 41/I goat | FM FC      |      |                | 1030              | 2,0         | 99%        | 1420               | 1,2         | 99%        | 2018                | 0,8          | 103%       | 100%    | 1,03  |
| 10              | No.66/II      | SCC-FCM    |      |                | 1025              | 0,5         | 98%        | 1441               | 2,2         | 100%       | 2047                | 1,6          | 104%       | 101%    | 1,07  |
| 11              | No.13         | FM FC      | 1,00 | 0              | 1052              | 2,5         | 101%       | 1437               | 2,2         | 100%       | 2017                | 1,4          | 103%       | 101%    | 1,01  |
| 12              | No. 39/1      | FM5000     | 1,06 | 0              | 1065              | 2,6         | 102%       | 1476               | 1,9         | 103%       | 1964                | 1,3          | 100%       | 102%    | 0,93  |
| 13              | No. 173       | SCC-FCM    |      |                | 1091              | 2,3         | 104%       | 1465               | 1,8         | 102%       | 1928                | 4,0          | 98%        | 102%    | 0,87  |
| 14              | No.143/I      | FM DC      | 1,00 | 0              | 1073              | 1,3         | 103%       | 1464               | 1,2         | 102%       | 2030                | 1,0          | 104%       | 103%    | 1,00  |
| 15              | FC 14         | FM-FC      | 1,00 | 0              | 1065              | 1,0         | 102%       | 1487               | 0,9         | 104%       | 2051                | 1,4          | 105%       | 103%    | 1,03  |
| 16              | No. 73        | FM FC      | 0,97 | 0              | 1095              | 1,7         | 105%       | 1468               | 1,7         | 102%       | 2018                | 1,0          | 103%       | 103%    | 0,96  |
| 17              | No. 80/I      | FM FC      | 1,00 | 0              | 1078              | 2,2         | 103%       | 1468               | 1,6         | 102%       | 2058                | 1,2          | 105%       | 103%    | 1,02  |
| 18              | No.107/V      | Combi 7    | 1,00 | 0              | 1089              | 0,7         | 104%       | 1480               | 0,7         | 103%       | 2082                | 0,7          | 106%       | 105%    | 1,04  |
| 19              | No.171/II     | Bacsomatic |      |                | 1126              | 0,7         | 108%       | 1547               | 1,0         | 108%       | 2121                | 0,4          | 108%       | 108%    | 1,04  |
| 20              | No.171/I      | Bacsomatic |      |                | 1130              | 1,9         | 108%       | 1541               | 0,6         | 107%       | 2123                | 1,4          | 108%       | 108%    | 1,03  |
| 21              | No.97         | FM 7       | 1,00 | 0              | 1123              | 1,6         | 107%       | 1543               | 1,2         | 108%       | 2145                | 0,9          | 109%       | 108%    | 1,07  |
| 22              | No. 74        | FM7 DC     | 1,00 | 0              | 1147              | 2,0         | 110%       | 1546               | 1,4         | 108%       | 2126                | 1,3          | 108%       | 109%    | 1,02  |
| 23              | No. 172       | SCC-FCM    |      |                | 1183              | 1,0         | 113%       | 1665               | 0,7         | 116%       | 2278                | 0,7          | 116%       | 115%    | 1,14  |
| Mean            |               |            |      |                | 1068              |             | 102%       | 1471               |             | 103%       | 2028                |              | 103%       |         |       |
| Median          |               |            |      |                | 1065              |             |            | 1465               |             |            | 2018                |              |            |         |       |
| ref./calc.value |               |            |      |                | 1045              | (941-1150)) |            | 1435               | (1292-1579) |            | 1960                | (1764-2156)) |            |         |       |
| r VK %          |               |            |      |                | 1,7%              |             |            | 1,5%               |             |            | 1,9%                |              |            |         |       |
| s-R             |               |            |      |                | 55                |             |            | 67                 |             |            | 95                  |              |            |         |       |
| R VK%           |               |            |      |                | 5,1%              |             |            | 4,6%               |             |            | 4,7%                |              |            |         |       |

Geo-Mean (Tolerance = +/- uncertainty of mea:

ref.value (+/-10%)

1067 957 1176 1470 1336 1604 2026 1835 2217  
1045 941 1150 1435 1292 1578,5 1960 1764 2156

0,00

SC: Somascope

BS: Bacsomatic

SCC: Somacount

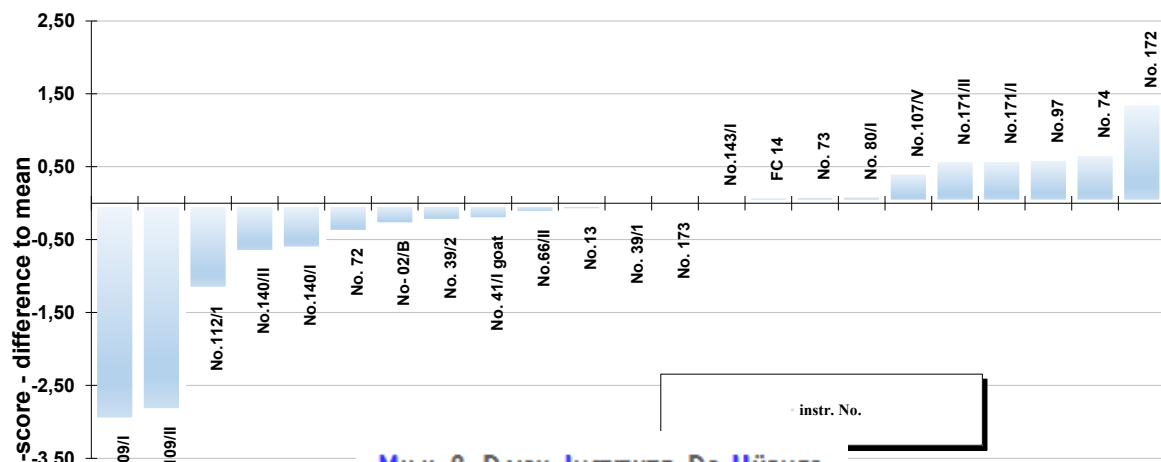
DCC: DeLaval

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

### PT Goat milk- interlaboratory study - MS 11 - October 2025



|     |           |        |                 | No.11-October 25  |          |            | No.11-October 25   |          |            | No.11-October 25    |          |            | level   | Slope |
|-----|-----------|--------|-----------------|-------------------|----------|------------|--------------------|----------|------------|---------------------|----------|------------|---------|-------|
| KIT |           |        |                 | Cell count Milk I |          |            | Cell count Milk II |          |            | Cell count Milk III |          |            |         |       |
| No. | Instr.No. | Instr. | Slope Intercept | cells             | VK%<br>r | %<br>calc. | cells              | VK%<br>r | %<br>calc. | cells               | VK%<br>r | %<br>calc. | Total % | %     |