

University of Ljubljana
Biotechnical Faculty
Department of Animal Science



INŠITITUT ZA MLEKARSTVO IN PROBIOTIKE
INSTITUTE OF DAIRY SCIENCE & PROBIOTICS

CATALOGUE OF SERVICES

Proficiency testing

2026

SET 1:

Parameter:

Determination method:

Approximate range:

TOTAL BACTERIAL COUNT – Instrumental method**Individual Bacteria Count (IBC)/ μ l**

Flow cytometry and others

10 – 3000 IBC/ μ l

Number of samples:

5 raw milk samples (preserved with sodium azide 0,02 %, frozen)

2 milk standards (preserved with Azidiol 0,02 %, frozen)

1 control temperature sample (preserved with sodium azide 0,02 %, frozen)

Sample volume:

50 ml

| | |
|------------------------|----------|
| Price for SET 1: | 160,00 € |
| Price for extra SET 1: | 90,00 € |

SET 2:

Parameter:

Determination method:

Approximate range:

CHEMICAL COMPOSITION OF MILK**Fat, Proteins, Lactose anhydride (g/100 g)****Fat:** IR spectrometry (ISO 9622/IDF 141), Röse Gottlieb (ISO 1211/IDF 1), Gerber (ISO 19662/IDF 238) and others**Proteins:** IR spectrometry (ISO 9622/IDF 141), Kjeldahl (ISO 8968-3/IDF 20-3) and others**Lactose:** IR spectrometry (ISO 9622/IDF 141), Liquid Chromatography (ISO 22662/IDF 198) and others**Fat (g/100 g);** 2,5 – 5,5 g/100 g**Proteins (g/100 g);** 2,5 – 4,2 g/100 g**Lactose anhydride (g/100 g);** 4,0 – 5,5 g/100 g

Number of samples:

10 raw milk samples (preserved with Bronopol® 0.02 %)

Sample volume:

60 ml

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|------------------------|----------|
| Price for SET 2: | 220,00 € |
| Price for extra SET 2: | 110,00 € |

SET 3:

Parameter:

Determination method:

Approximate range:

SOMATIC CELLS COUNT**Somatic cells/ml**

Fluoro-opto-electronic method (ISO 13366-2/IDF 148-2) and others

100.000 – 1.500.000 cells/ml

Number of samples:

5 raw milk samples (preserved with Bronopol® 0.02 %)

Sample volume:

60 ml

| | |
|------------------------|----------|
| Price for SET 3: | 150,00 € |
| Price for extra SET 3: | 90,00 € |

SET 4:

Parameter:

Determination method:

Approximate range:

UREA**Urea (mg/100 ml)**

IR spectrometry (ISO 9622/IDF 141), differential pH-metry (ISO 14637/IDF 195) and others

10 – 60 mg/100 ml

Number of samples:

7 raw milk samples (preserved with Bronopol® 0.02 %)

Sample volume:

60 ml

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|--|----------|
| Price for SET 4: | 125,00 € |
| Price for extra SET 4: | 60,00 € |
| Price for extra statistical analysis on SET 4: | 25,00 € |

SET 5:

Parameter:

Determination method:

Approximate range:

FREEZING POINT**freezing point (°C)**

IR spectrometry (ISO 9622/IDF 141), cryoscopy (ISO 5764/IDF 108) and others

-0,480 to -0,550 °C

Number of samples:

10 samples of raw milk (preserved with Bronopol® 0.02 %)

Sample volume:

60 ml

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|------------------------|----------|
| Price for SET 5: | 105,00 € |
| Price for extra SET 5: | 65,00 € |

SET 6:

Parameter:

Determination method:

MICROBIOLOGICAL EXAMINATION OF MILK

Determination of total bacterial count

plate count at 30 °C (ISO 4833-1) and others

Number of samples: 6 milk samples (frozen)

1 control temperature sample (frozen)

Sample volume: 50 ml

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|------------------|----------|
| Price for SET 6: | 300,00 € |
|------------------|----------|

We advised that one SET 6 is analysed by at least 2 analysts from the same laboratory.

Dispatch dates of PT 2026

| | |
|--------------------|----------------------------|
| SET | MARCH and NOVEMBER 2026 |
| 1,2,3,4,5,6 | |

Proficiency testing for each set of samples is performed at the application of at least three laboratories.

Number of extra SETs is not limited.

VAT is not included in the prices.

If you are participating in our proficiency testing for the first time, we would also need your tax certificate and we would kindly ask you to pay for the participation up front.

Costs of transport and documentation (Veterinary certificate for export, invoices...) are not included in the prices.

Reports will be published on our website www.bf.uni-lj.si/en/iml-pro/. Password needed for opening the reports and the identification numbers of your laboratory will be sent to you by e-mail.

Statistical analyse is performed according to ISO 17043 and ISO 13528.

Please send us completed **registration form** (Page 4) to

E-mail: borut.kolenc@bf.uni-lj.si

before 30th December 2025

Preparation of catalogue: Borut Kolenc

Head of laboratory: dr. Petra Mohar Lorbeg

PROFICIENCY TESTING 2026

Name and DELIVERY/INVOICING address: _____

Contact person: _____

Phone: _____ E-mail: _____

| PLEASE STATE <u>THE NUMBER</u> OF SETs | | |
|---|--|-----------------|
| | MARCH | NOVEMBER |
| SET 1 | | |
| SET 2 | | |
| SET 3 | | |
| SET 4 | | |
| SET 5 | | |
| SET 6 | | |
| Shipping method: | <input type="checkbox"/> By post <input type="checkbox"/> Personal take-over <input type="checkbox"/> Other (by agreement) | |

Date:

Signature:

Please fill in the form legibly in block letters or fill it in electronically!