

DEDICATED ANALYTICAL AND SCREENING SOLUTIONS

Dairy, Feed, Honey, Grains, Fruits & Vegetables

 **indifOSS**



Milk and Milk Products - Quality and Safety

MilkoScreen

MilkoScreen analyses the raw milk using FT-Infrared technology, assessing milk constituents, using absorption at different wavelengths in the infrared spectrum to detect the presence of specific parameters in milk like Fat, SNF and Protein. Accuracy and repeatability of results are comparable with the chemical methods, but with MilkoScreen, it takes far less time than conventional chemical methods.

Sample type - Raw Milk - Cow, Buffalo, Mix

Parameters - Fat, SNF, Protein

Dynamic Adulterant Screening Packages to include either/or - Water, Sodium Carbonate, Sodium Bicarbonate, Sodium Citrate, Formaldehyde, Sodium Hydroxide, Sorbitol, Glucose, Maltose, Melamine, Urea, Sucrose, Maltodextrin and Ammonium Sulphate.



MilkoScan Mars

MilkoScan Mars is an easy to run and cost-effective milk analyser. In just one-minute, powerful FTIR analytical technology enables analysis of up to 6 parameters from a single sample as well as detection of deliberate or accidental adulteration of the milk supply.

Sample types - Raw Milk, Pasteurized, Packed Milk

Parameters - Fat, protein, lactose, total solids, solids-non-fat and freezing point (milk only).

Targeted and untargeted adulteration screening. Ready to use screening models for urea, sucrose, formaldehyde, sodium bicarbonate, potassium nitrate in cow's milk.

MilkoScan FT3

The MilkoScan FT3 offers a new, intelligent approach to dairy analysis including the power to test a wide variety of liquid and semi-solid dairy and similar plant-based products at a low cost of ownership, with exceptional uptime and unprecedented consistency of results.

Sample types - Compositional analysis of liquid and semi-solid dairy products such as milk, cream, whey, yoghurt, creme fraiche, milk and whey concentrates incl. WPC, chocolate milk and similar plant-based products.

Parameters - Global calibrations: Fat, protein, lactose incl. low lactose products, total solids, solids non-fat, freezing point, titratable acidity, density, free fatty acids, citric acids, casein, urea, sucrose, glucose, fructose and galactose. Targeted and untargeted adulteration screening.



BacSomatic

BacSomatic is an integrated bacteria and somatic cell tester. It offers full automation for minimal reagent handling and consistent test results. BacSomatic is easy to use and a fast alternative to manual assay, providing instant, simultaneous results for bacteria count and somatic cell count within 9.5 minutes and 15 samples/hour (1.5 minutes and 40 samples/hour for somatic cell count alone). FDA/NCIMS and EURL/Microval approved.

Sample types - Raw cow milk, buffalo milk and goat milk.

Parameters - Bacteria count and somatic cell count.

Milk and Milk Products - Quality and Safety

FoodScan 2

FoodScan 2 is a major step forward in NIR transmission technology. Time to result is extremely fast and with three sub-scans, an even larger share of the sample is measured making you less dependent on sample preparation. The FoodScan 2 is pre-calibrated with unique and robust, global calibrations that have received national approvals for the measurement of key quality parameters.

Sample types - Cheese, butter, spreads, fermented and cultured products and similar plant-based products.

Parameters

Global ANN calibrations - fat, moisture, protein, salt, solids-non-fat (calculated) and total solids.

PLS calibrations - Saturated fatty acids in cheese, pH in fermented products.

Other functionalities - CIE L*a*b standard colour.



NIRS DS3

The NIRS DS3 provides NIR analysis of dairy powders with exceptional accuracy and in compliance with IDF 201 guidelines. Designed for use in the laboratory or at the production line, making it ideal for routine production control and monitoring of final product quality.

Sample types - Direct measurements of dairy powders.

Analysis of other solid and semi-solid dairy products such as ice-cream mix.

Parameters

FOSS global calibrations include - Fat, protein, moisture, ash, lactose and acidity.

ProFOSS 2 / ProFOSS

ProFOSS 2 is an in-line NIR analyser that monitors multiple quality parameters such as moisture, protein, total solids and fat in dairy products. Simple to install directly in the production line, it has a number of dairy applications that enable production targets to be met more closely with significant cost savings. It leverages the latest development in digital technologies to seamlessly interface with FoodScan2 / NIRS DS3 to deliver peak performance.

Sample types - Butter, fresh cheese, mozzarella, WPC/MPC, cream and Dairy Powders

Parameters - Fat, protein, moisture, total solids, solids non-fat, protein-total solids ratio and salt (indirect measurement).



CombiFOSS 7

CombiFoss 7 seamlessly integrates MilkoScan 7 RM and Fossomatic 7 or Fossomatic 7 DC to test raw milk for up to 19 parameters including the new differential somatic cell count.

FDA/NCIMS and MicroVal (EURL) approved.

Sample type - Raw milk (cow, goat, sheep, buffalo).

Parameters - Fat, protein (true and crude), casein, lactose, solids (SnF and TS), urea, citric acid, fatty acid profiling, Free Fatty Acids (FFA), freezing point depression, pH, ketosis screening (BHB and acetone), untargeted raw milk screening (adulteration), total somatic cell count (SCC) and differential somatic cell count (DSCC).

Digital Services – Foss

Optimal management of your analytical data.

FossManager/ FossManager Pro

- Access instrument settings and consolidated data on a single or multiple instruments across sites, from any location.
- Perform remote configuration of your instruments and monitor that they are operated in compliance with standard operating procedures Safeguard your data with automatic backups of settings and analytical results.



Optimising the operation and the performance of your instruments.

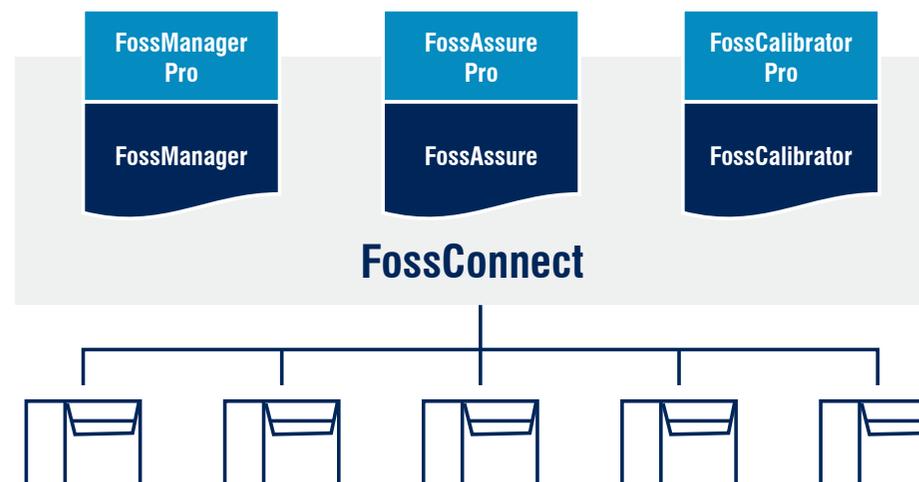
FossAssure/ FossAssure Pro

- Stay in control of quality and cost by monitoring instrument health and operating procedure compliance.
- Optimise preventive maintenance activities and avoid unplanned downtime.
- Avoid out-of-spec products and uncertainty by validating calibration accuracy (FossAssure Pro).
- Optimising accuracy and profitability

Optimising accuracy and profitability

FossCalibrator / FossCalibrator Pro

- Develop and improve prediction models with guidance for optimal settings.
- Validate your models and compare performance in a simple overview.
- Upload your models directly to your instruments via FossManager.



IndiFOSS – Service and Instrument Care

IndiFOSS aims to have a world-class integrated service organisation providing the best possible support to our customers all over the India. More than half of our staff consists dedicated service engineers and application specialists and they are ready to provide fast and effective support in every corner of Nation.

Service Organisation

- The industry's best service coverage with more than 70 service engineers and application specialists operating from service sites in 21 states in India.
- The fastest on-site response time to ensure low downtime for your solutions. Highly skilled and certified support engineers, ensuring that your solution is running at peak performance for maximum productivity.
- Training
We have a selection of training courses available, explaining how to operate and maintain your instrument optimally. The courses are conducted by experienced IndiFOSS instructors and are designed to make sure you get the most out of your IndiFOSS solutions.
- Courses include basic and advanced instrument maintenance, troubleshooting and an introduction to calibration and application development.
- The training can either be arranged at the IndiFOSS office or at your site (depending on the instrument and the facilities of your local IndiFOSS office).
- Please contact us for specific available offerings for your instrument.



Rapid Testing Kits for Milk

Melamine Rapid Test for Milk

This rapid test is used for detection of Melamine in milk based on the colloidal gold immunochromatography technology. It takes about 6 min for one test. This rapid test can be used to detect melamine levels as low as 80-100ppb in milk.

Application - Raw milk, pasteurized milk and full cream milk powder, Milk from cow, buffalo, ewe, goat, mare.

Antibiotics in Milk

This rapid test is used for detection of Beta-lactams in milk based on the colloidal gold immunochromatography technology. It takes about 5 min for one test.

Application - Raw milk, pasteurized milk and full cream milk powder.

Milk from cow, buffalo, ewe, goat, mare.

- 2IN1 BT Beta-lactams + Tetracyclines
- 2IN1 BT-Cef Beta-lactams + Cefalexin + Tetracyclines
- 4IN1 BSCT: Beta-lactams + Streptomycin + Chloramphenicol +Tetracyclines

Rapid Test for detection of Cow Milk in Goat Milk

This rapid test based on the colloidal gold immuno-chromatography technology is used for detecting the presence of cow milk in goat milk.

This kit detects the presence of cow milk in fresh goat milk or milk powder. The added cow milk in form of fresh cow milk, milk powder, UHT milk powder, modified cow milk can all be detected.

Aflatoxin M1 Screening in Milk

Aflatoxin M1 Rapid Test for Dairy Products This rapid test is used for detection of Aflatoxin M1 in dairy products based on the colloidal gold immunochromatography technology. It takes about 9 min for one test. This rapid test can be used to detect Aflatoxin M1 levels as low as 0.5ppb in dairy products.

Aflatoxin M1 Quantitative Rapid test for milk

This rapid test is used for quantitative detection of Aflatoxin M1 in milk based on the colloidal gold immunochromatography technology. It takes about 14 min for one test. The linear range of this product is 150-600 ppt.

Application - Raw milk from sheep and cow, pasteurized milk, sterilized milk, partially modulated milk, fermented milk, milk powder, single cream, cream, anhydrous cream and condensed milk.

Milk Pesticides Screening in Milk

This rapid test is used for detection of Carbendazim in milk based on the colloidal gold immunochromatography technology. It takes about 8 min for one test.

- Carbaryl Rapid Test for Milk
- Imidacloprid Rapid Test for Milk
- Paraquat Rapid Test for
- Carbendazim Rapid Test for Milk

RT-PCR Test Kits

VERYfinder- Cow/Buffalo Milk detection

VERYfinder Real-Time PCR kit detects traces of cow's milk in Buffalo milk as low as 1%. This helps dairies to detect the presence of mixed milk which in turn leads to decrease in the dairy product yield such as cheese, khoa, etc. A unique feature of this RT-PCR kit is the possibility of loading milk sample into the test reaction without DNA extraction, which makes it simple, rapid, and to optimize the labour utilization.

Sample type - Raw Milk and Finished Dairy products

SPECIALfinder- Allergen detection

SPECIALfinder Real-Time PCR kit helps dairy manufacturers to detect the presence of allergen and its residues in the product line due to crosscontamination or improper cleaning and sanitation practice. Allergens such as tree nuts, fruits nuts can be detected as low as 0.5 ppm.

Sample type - Raw materials, In-process materials, Finished Dairy product

PATHfinder- Quality Indicators and Pathogen detection

PATHfinder Real-Time PCR kit helps dairy manufacturers to detect the presence of quality indicators and spoilage organisms such as,

- E. coli & toxins
- Cronobacter spp
- Salmonella spp
- Listeria spp
- Shigella spp
- S. aureus
- B. cereus
- C. botulinum & toxins etc

Using optimized protocols and rapid DNA extraction which are in accordance with ISO, FDA BAM.

Sample type - Raw Milk and Finished Dairy products

Rapid Test Kits – Cattle Feed

Mycotoxin Test Kits

The rapid test kits are used for the detection of Aflatoxin B1 in cereals and feed samples. Kits are based on the colloidal gold immunochromatography technology. The whole process includes two parts - sample preparation and detection. It takes about 7-10 minutes for sample preparation and 12 minutes for detection for single test.

Melamine Test Kits

The rapid test kits are used for the detection of Melamine in cereals and feed samples. Kits are based on the colloidal gold immunochromatography technology. The whole process includes two parts - sample preparation and detection. It takes about 7-10 minutes for sample preparation and 12 minutes for detection for single test.



Animal Disease and Pregnancy Detection Kits

Bovine Brucella Antibody Rapid Test

Brucella Antibody Rapid Test Kit is based on the gold colloidal immunochromatography technology, used for detection of Brucella antibody in blood, plasma, serum of bovine, sheep, goat or raw milk sample.

Bovine M.bovis Antibody Rapid Test

Bioeasy Bovine M.bovis Antibody Rapid Test Kit is based on the colloidal gold immunochromatography technology, used for detection of Bovine Mycobacterium Tuberculosis (M.bovis) antibody in bovine serum and plasma sample.

Bovine Viral Diarrhoea Virus Antibody Rapid Test

Bioeasy Bovine Viral Diarrhoea Antibody (BVDV-Ab) Rapid Test Kit is based on the colloidal gold immunochromatography technology, used for detection of bovine viral diarrhoea (BVDV) antibody in bovine serum and plasma.

Bovine Pregnancy Rapid Test Kit

Bioeasy Bovine Pregnancy Rapid Test Kit is a blood pregnancy test for dairy cows based on the double antibody sandwich method. It can be used to detect serum or plasma samples of cows after 28 days post-breeding. With the quick visual interpretation in 20 minutes and easier procedure, it allows the veterinarian to concentrate more on treatment and disease prevention.

ELISA Kits

ELISA Kit for Type A Foot and Mouth Disease Virus (FMDV) Antibody

Bioeasy ELISA Kits for FMDV Type A Antibody, based on the competitive ELISA method, provide an accurate, professional and simple test method for our users to test the Type A antibody of FMDV in bovine, caprine, swine and ovine origin's serum sample.

Bioeasy cELISA kit for Brucella Antibody

Bioeasy cELISA kit for Brucella Antibody provides a simple, sensitive and specific method for serum antibodies against Brucella in bovine, caprine, swine and ovine origin.

Rapid Test Kits for Pesticides in Fruits and Vegetables

The Bioeasy family of milk antibiotics rapid tests, offer a wide ranges of products to the market, covering nearly all of the antibiotics.

- Rapid tests available to meet EU, Russian, Australia and American standards
- A complete line of incubators and readers
- Positive and negative controls for quality insurance of testing procedures

Organophosphorus pesticide residues

Pyrethroid pesticide residues

Fungicide Pesticide residues

Chlorpyrifos rapid test kit

Isocarbophos rapid test kit

Methyl parathion rapid test kit

Methylisoprophos rapid test kit

Triazophos rapid test kit

Fenitrothion rapid test kit

Quinalphos rapid test kit

Carbamate pesticide residues

Organochlorine pesticide residues

Isoproc carb rapid test kit

Carbofuran rapid test kit

Fenpropathrin rapid test kit

Bifenthrin rapid test kit

Organochlorines rapid test kit

Carbendazim rapid test kit

Thiabendazole rapid test kit

Metalaxyl rapid test kit



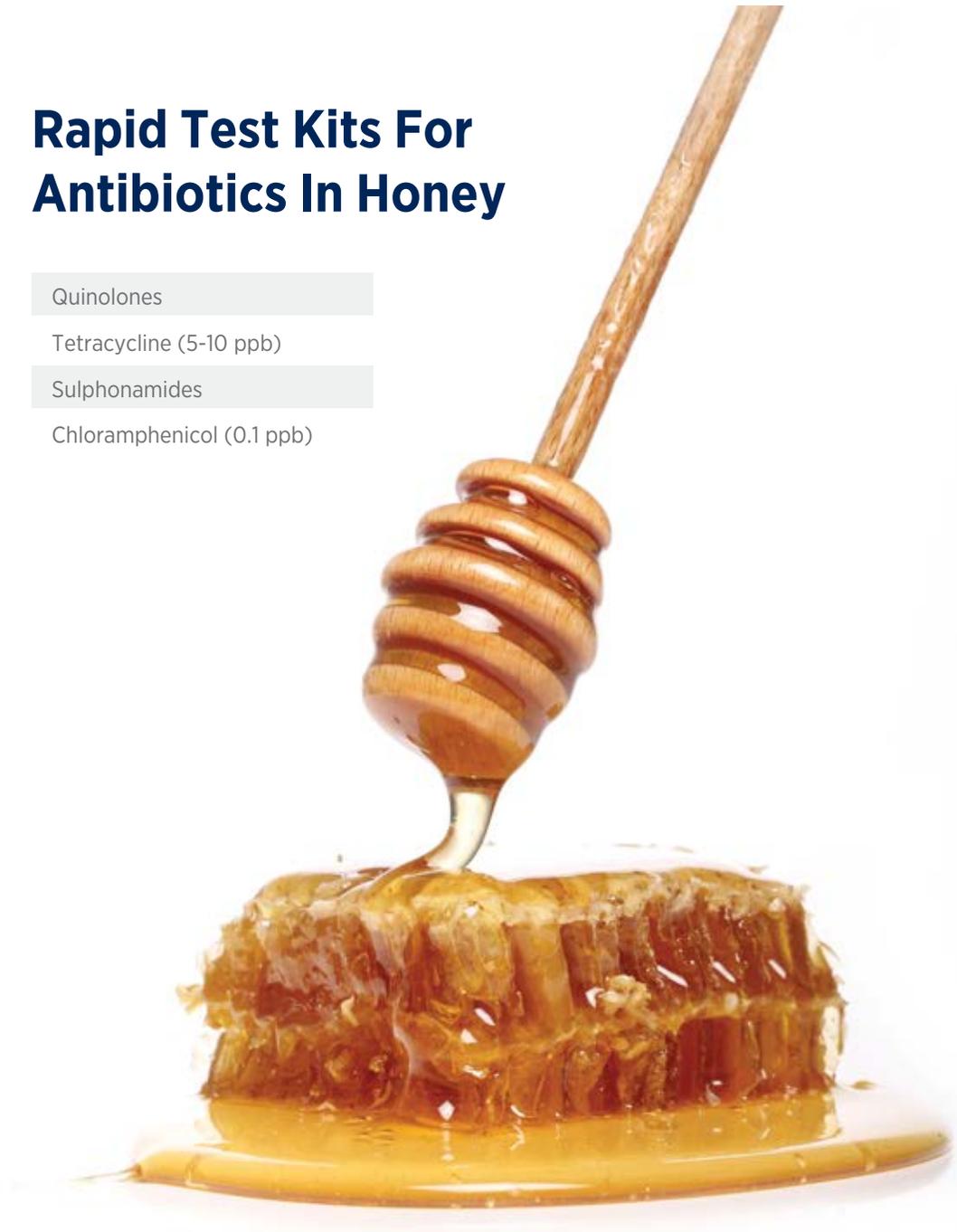
Rapid Test Kits For Antibiotics In Honey

Quinolones

Tetracycline (5-10 ppb)

Sulphonamides

Chloramphenicol (0.1 ppb)



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