FOSS

Labtec™ Line

Manual and semi-automated solutions with high-end safety features

Dedicated Analytical Solutions

Labtec Line™

Solvent Extraction

ST 255 Soxtec™
The semi-automated ST 255 Soxtec™ system is used for fast and safe determinations of soluble material. It is ideal for laboratories with a lower throughput, offering many of the benefits and features of the fully automated Soxtec, but at a lower price. The system allows for a throughput of up to six extractions, 36 samples per day and includes batch handling tools that ensure fast and safe handling of samples and cups.

ST 243 Soxtec™
The ST 243 Soxtec™ is a six-place solvent extraction system used for fast and safe determination of soluble material in food, feed, soil, polymers, paper pulp and textiles. The system comes with an extraction and a control unit as well as 26 mm cellulose thimbles.

Hydrolysis

SC 247 SoxCap™
The SC 247 SoxCap™ performs hydrolysis, filtration and washing with no need for sample transfer and minimum manual handling using the batch handling tools. The patented technique is based on the SoxCap capsule's ability to hold the fat present in the sample during hydrolysis and release it during solvent extraction. Its capacity is six samples per batch and 36 samples per day.

Digestion

Digestor Basic
With the Digestor Basic system all procedures are carried out by the operator. The temperature and time for the digestion are selected on the front panel. All other procedures are then performed by the operator once the digestion unit has reached the selected temperature. The Basic version has a built in, user definable, time and temperature controller and display.

SR 210 Scrubber
This semi-automated, variable SR 210 Scrubber is used in the digestion stage for neutralising corrosive fumes. The Scrubber pumps fumes through a series of traps before entering the condenser.

Distillation

KT 200 Kjeltec™
The KT 200 Kjeltec™ distillation unit provides a simple and reliable solution for safe and semi-automatic distillation. The possibility to pre-program alkali addition and distillation time supports the production of accurate results independent of operator. Accurate bellows pumps give long term stability in reagent delivery. The unit is equipped with sensors for safety door and level/overpressure sensors for the steam generator. SAfE technology reduces the exothermic reaction between alkali and acid during distillation.

Fibre Analysis

FT 121 Fibertec™
The FT 121 Fibertec™ is a cold extraction unit, used for defatting of samples and for lignin determination at ambient temperature. The FT 121 Fibertec™ is used in connection with Fibertec hot extraction systems such as the Fibertec™ 8000 and the FT 122 Fibertec™.

FT 122 Fibertec™
FT 122 Fibertec™ uses externally preheated reagents to determine fibre content according to Weende, van Soest and other recognised methods. Single or sequential extractions including boiling, rinsing and filtration are performed under reproducible and controlled conditions.

Sample milling and homogenisation

CM 290 Cemotec™
The CM 290 Cemotec™ laboratory mill is ideal for preparation of grain and seed samples without loss of moisture for NIR or reference analysis. Safety is in focus, making Cemotec an excellent mill for all types of sample preparation where the requirements for fineness and uniformity of particle size are moderate.

CT 293 Cyclotec™
The CT 293 Cyclotec™ laboratory mill is ideal for rapid and flexible preparation of a wide variety of feeds, grains, leaves and more for NIR or reference analysis. A modern design ensures easy operation and maintenance.

KN 295 Knifetec (20,000rpm with cooling facility)
The KN 295 Knifetec laboratory mill is ideal for preparation of high fat, high moisture and fibrous samples. The grinding chamber is water cooled to protect heat sensitive high fat samples, while the robust design makes is easy to maintain and clean between samples.

HM 294 Homogeniser (1-phase, 1500rpm) & HM 297 Homogeniser (3-phase,1500/3000rpm)
The HM 294 and HM 297 homogenisers are designed for macerating and homogenising a variety of high moisture, high fat and fibrous samples in 20 - 60 seconds. Application examples include: reduction of forage and dry food and chemical products; homogenisation of meat, fish, fruit, vegetables and prepared foods, including pizza, pies and frozen meals.

FOSS a reliable laboratory partner – every step of the way

FOSS is known as the leading global provider of a versatile range of analytical solutions for the food and agricultural industries, helping producers to maximise the value of their production.

FOSS Chemical Analysis solutions offer fundamental, classical "wet chemistry" methodologies for the modern chemical laboratory, providing dedicated analytical solutions for every stage of the laboratory process. From initial physical sample preparation (grinding & milling), to chemical preparations based on Digestion, Distillation, and Extraction, all the way to final analysis, FOSS laboratory solutions are the key to achieving cost effective, fast and reliable results for laboratory customers.

FOSS instruments are dedicated to supporting the needs of your business. From commercial to industry laboratories, FOSS offers a broad range of solutions making it possible to choose the level of throughput, automation and safety to suits individual needs.

More than 50.000 FOSS analysis instruments are in operation in laboratories worldwide, including Commercial, Public & Industry labs, with over 90 of the world's top 100 food and agriculture companies using FOSS solutions.

FOSS analysers for laboratories have obtained several recognised international approvals like GLP, GMP & ISO.

FOSS is a privately-owned company employing over 1200 worldwide. FOSS has manufacturing, research and development facilities in Denmark and China. Solutions are sold and supported through FOSS sales and service companies in 25 countries and by more than 70 dedicated distributors.

FOSS

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