

**Thermo Scientific
Konelab 20 and 20XT
Analyzers**



**Ease of use and cost-efficiency
in clinical chemistry analysis**

Compact and proven analyzers to secure productivity

The automated Thermo Scientific Konelab 20 and 20XT analyzers are designed for convenient and precise clinical chemistry analysis. They combine the latest and proven technologies to increase cost-efficiency in small laboratories and in special testing by offering various automated features in a freshly modified appearance.

Extra efficiency

Thermo Scientific Konelab 20 and 20XT offer easily adaptable and precise analysis for smaller laboratories which appreciate ease of use and cost efficiency. Compact size of both instruments offers extra efficiency with a small footprint. The analyzers do not require any external water supply or drainage.

Continuous and reliable operation

The automated operation of Konelab 20 and 20XT analyzers facilitates and speeds up sample and reagent handling.

- Continuous sample and reagent loading without interrupting the measurement.
- Ready for use, barcoded reagent vessels.
- A real-time check of reagent sufficiency and expiry date, possibility to run QC with every new bottle.

Economical and safe analysis

The unique low-volume cuvette design ensures error free operation and minimum reagent consumption, making the Konelab analyzers very cost-effective.

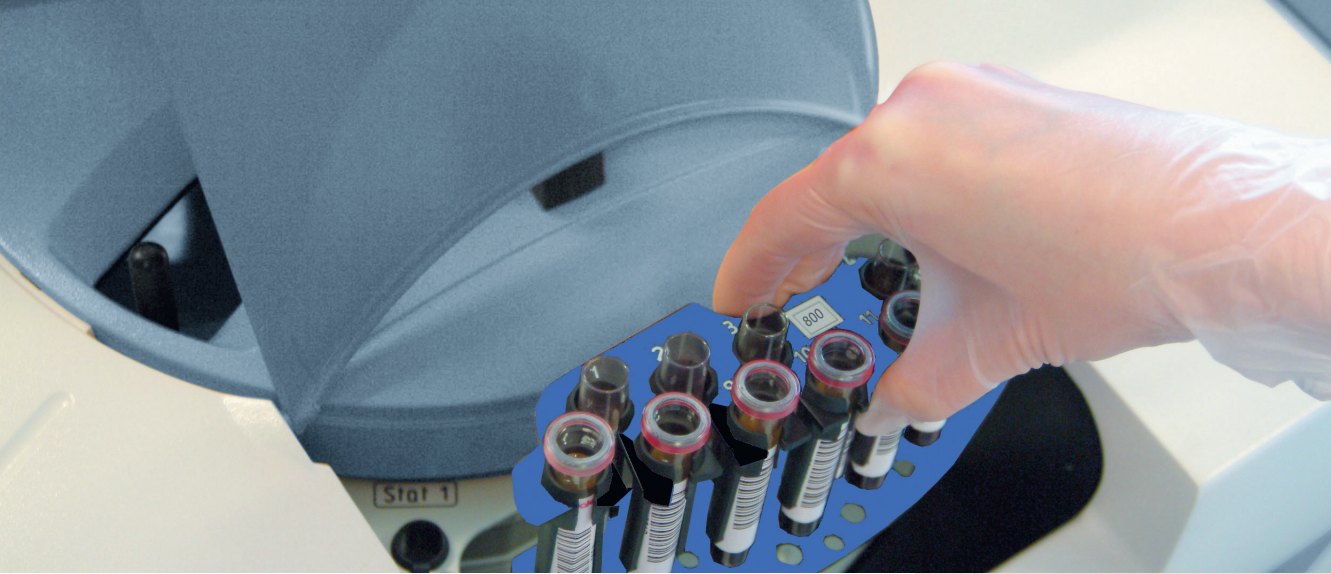
- Disposable cuvettes having 12 reaction cells per cuvette.
- A typical reaction volume of 120-150 μ l.
- Versatile automatic dilution features cover pre- and post-dilutions.
- Automatic dispensing of calibrator series from one stock calibrator in most specific proteins tests.
- Reflex testing capability.
- Automated sample pretreatment feature, e.g., in HbA1c measurement eliminates the manual hemolyzing step.

The 12-position Multicell Cuvette



The Ion Selective Electrodes





Automated sample pretreatment saves the time in sample processing, improves quality and keeps the costs down.

Easy to use

The Konelab user interface allows the lab personnel to get quickly acquainted with the various functions to support the daily tasks.

- Clear and easy-to-navigate user interface.
- Broad range of language options.
- Quick daily start-up.
- Daily maintenance of only 5 minutes.
- Bi-directional LIS interface.
- Database to store results, calibrations and used reagent lots.

Wide test range

Comprehensive menu of CE marked system applications cover the analysis of enzymes, substrates, electrolytes and specific proteins.

In Konelab 20XT the range of tests is extended also to more esoteric assays, like drugs of abuse and therapeutic drug monitoring.

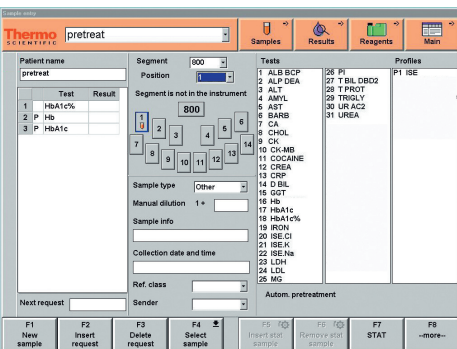
Both 20 and 20XT have an optional ISE module for direct determination of K^+ , Na^+ and Cl^- , with Li^+ as an optional extra. Ready-to-use electrodes make the electrode assembly fast and simple.

Konelab 20 menu

- Enzymes
- Substrates
- Electrolytes
- Specific Proteins

Konelab 20XT menu

- Enzymes
- Substrates
- Electrolytes
- Specific Proteins
- Drugs of Abuse Tests
- Therapeutic Drug Monitoring



Proven technology and experience

With over 35 years of experience in research, development and manufacture of analyzer systems, the Konelab 20 and 20XT analyzers meet customers' expanding needs in clinical chemistry testing. The Konelab system test menu covers over 80 carefully validated methods, and the test range is developed continuously.

The highly qualified clinical chemistry and diagnostics professionals at Thermo Fisher Scientific are happy to provide consulting, training and after sales support.



Konelab analyzer series

Konelab PRIME 30 and 60, which have extended automation features, belong to the same proven instrument series.

Konelab PRIME 30 and 60 are ideal choices for medium sized laboratories as a stand-alone instrument or as part of a high-capacity workcell.

All Thermo Scientific Konelab analyzer systems comply with the In Vitro Diagnostic Medical Devices Directive 98/79/EC (IVDMDD).

Konelab 20

- Capacity of up to 200 tests/hour
- Up to 84 samples on-board
- 35 cooled reagent positions
- 600 cuvette storage positions
- Needle mixing
- ISE option



Konelab 20XT

- Capacity of up to 250 tests/hour
- Up to 84 samples on-board
- 35 cooled reagent positions
- 600 cuvette storage positions
- Separate mixing paddle
- ISE option

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