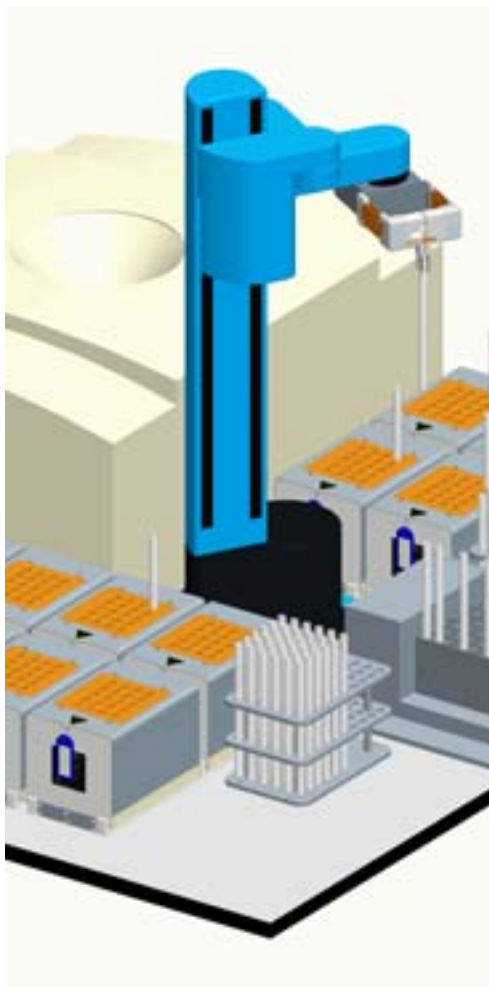


SFC Robot System

Measurement of Solid Fat Content

Fully automated solution from sample registration to the LIMS



The new SFC Robot System is designed to measure the solid fat content in an automatic fashion. The bidirectional LIMS interface receives sample orders and returns results. The system is easy to use and offers a full “walk away” operation to guaranty a high reliability and a high reproducibility of the SFC results.

The automated system is based on

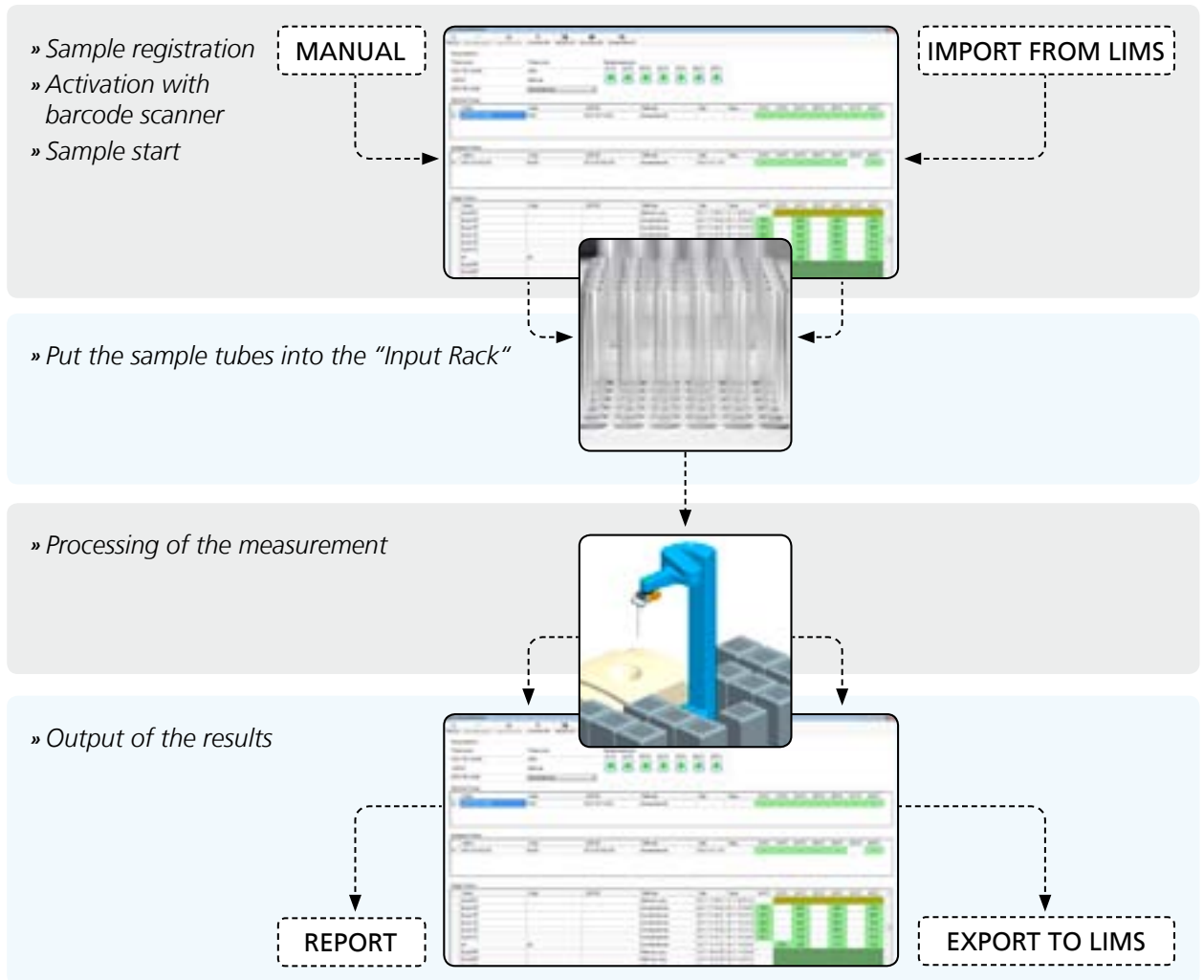
- » Standard CyBio robot – safety, proven technology and low weight design
- » Dry baths for melting, crystallization and tempering
- » NMR instrument
- » Proven SFC-Application software

Highlights of the robot system

- » Support of serial, parallel and indirect SFC procedures
- » Full measurement of crystallization kinetics
- » Automatic optimization according to sample throughput or time compliance
- » Monitoring of the SFC processing and the temperatures of the dry baths
- » Automatic time-controlled calibration of the NMR instrument
- » Small foot print – 1,2 m x 1,2 m with 11 dry baths (each 20 positions)
- » Input rack with automatic sample detection for up to 48 samples at once

SFC Robot System was developed in cooperation of CyBio AG and comicon GmbH, both companies of the Analytik Jena Group. CyBio is responsible for the hardware and comicon for the software as well as the know how of the analytics.

Typical workflow of the SFC measurement with the robot system



The benefits of the SFC Application:

- » Time savings
- » Prevention of transmission errors
- » Paperless laboratory
- » No buzzer needed
- » Worldwide service and support

The SFC Application software can also be used without robot system.

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