



Connection of point of care laboratory devices

Finally, primary care laboratories are offered data support comparable with those available to central laboratories. Zafena's Connector provides transparency, documentation, traceability, and automated transfer of results to laboratory information systems (LIS) and the like. Manual transmission is avoided. Zafena's Connector contains barcodereader, monitor and computer unit. The Connector can communicate with internet or intranet.

Supplemental information:

Laboratory devices communicate by USB with the data box where analysis results are transmitted. Before further transmission of results, it is mandatory that the necessary supplemental information is entered, most often by barcode reader though keyboard and other means are possible. Such information may be personal ID, sample ID, instrument ID, operator ID, sample type.

Protocols and Software:

Complete data sets, test results and necessary supplemental data, are transmitted to LIS using protocol LIS02-A2 (formerly ASTM E1394-97). Adaptations and modifications are of course possible. The software, in its entirety, including the operating system, is dedicated to the task. The software is unable to take communication initiatives (high security). The entire software is provided on an SD card (a camera memory). In the same SD card all data is stored to provide complete documentation and traceability.

A schematic sketch:

Zafena's IT-solution Connector, connected to two POC-systems:
Simple Simon (INR) and **EKF HemoControler (Hb)**
 Connection of three are possible, shift between systems by using the barcode-reader

