

Sample Sorting

Manual and automatic control of the sample flow



Objectives

The objectives of the sorting concepts are to monitor and control the sample flow regarding the whole laboratory cycle. Automated workplaces as well as manual workplaces are considered. Included in the handling are also special cases like secondary samples, determination of stimulants or samples which are sensitive to contamination.

Notes

- Communication with laboratory information system by standard interface HL7
- Existing integration of "Olympus OLA 2500 (HS)"
- Possibility to connect other sorting machines



Features

- Sorting, archiving, disposal, cloning, opening and closing of samples in accordance to defined rules
- Fully automated pre-sorter on an industrial level
- Automatic recognition of whole blood and serum
- Definition of sample order (stimulant) and entry of quality parameters (e.g. pH-value)
- Temporarily deactivate analytical equipment during operation



- Integrated Call Center: clarify the information of the order regarding submitter, sample material, order data, generation of archive- and error-lists.



Advantages

- Control and monitor sample material from delivery to disposal
- Documentation of know-how and regulations in the system
- Flexible assignment of the expert staff and quick integration of new employees.
- Defined & structured process
- Continuous sample cycle time
- Continuity regarding sample flow and capacity utilization by recursive sample sorting and defined buffer zones (to smooth peaks)
- Preparation of sample material for automation
- Automated handling of standard samples
- Sorting of special material on manual work places
- Programming of special rules by the maintenance personnel
- Special workflows can be configured
- Daily analysis of the order data