





Planning of QC

- Principles as for every laboratory:
 - plan concentrations and types of control samples according to the scope of the laboratory's method
 - define purpose of each control: whole method, part of method (e.g. control of calibration drift)
 - control at the beginning and end of each series
 - intermediate checks to suit the stability of the measurement process, stability of samples, and the cost associated with repeated measurement
 - define what goes into database for generation of update on general quality of analyses

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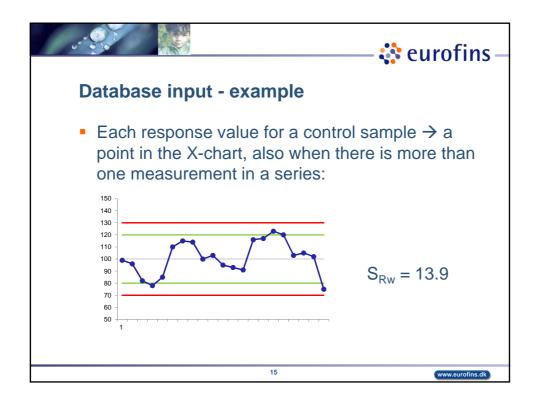


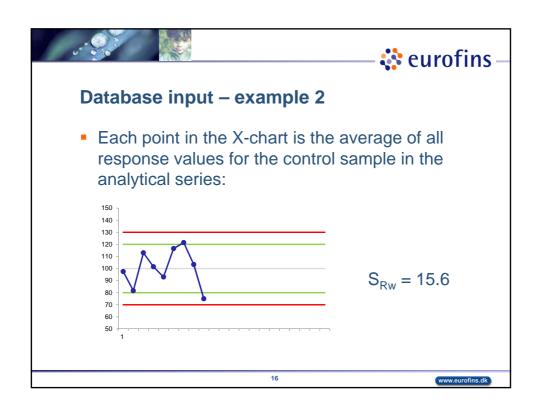


Input to database

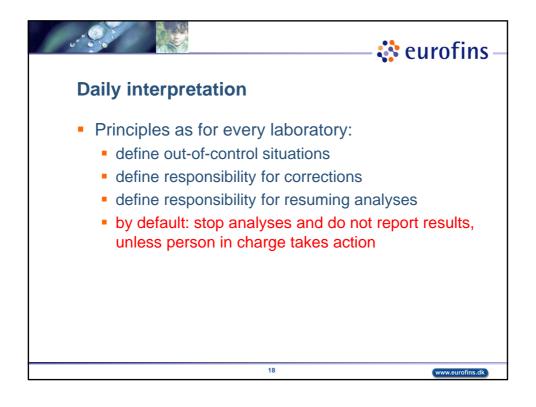
- Only one point on an X-chart or D-chart for one series of analyses for charts intended as input to general quality of analysis.
- No restrictions for charts not intended for general quality of analysis

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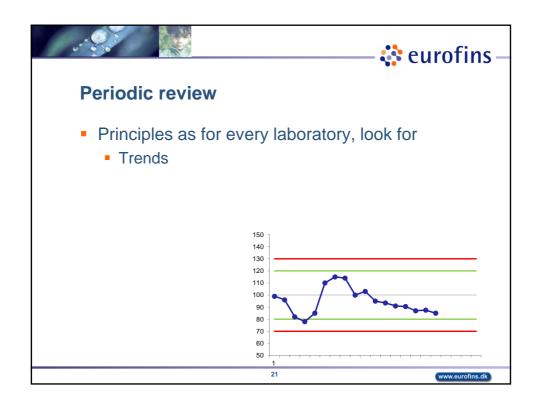


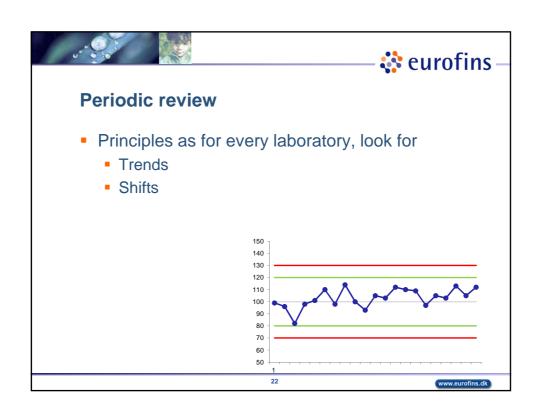


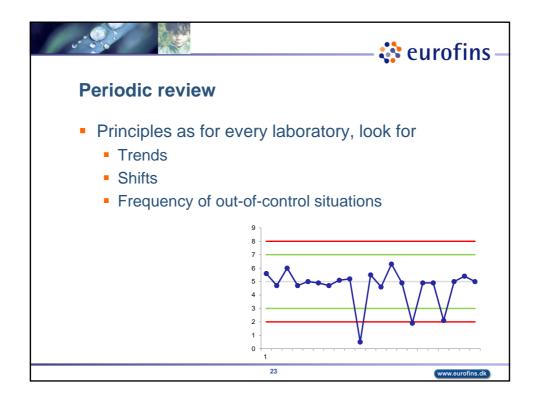


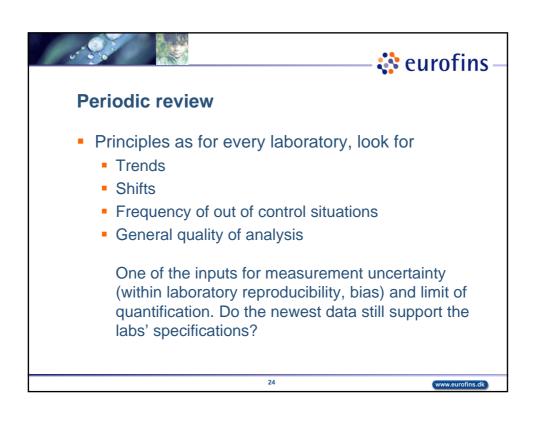
















Summary

- IQC for large series of automated analyses works according to the same priciples as for every laboratory
- High throughput laboratories should give special attention to
 - defining an analytical series
 - intermediate checks and associated action
 - input to database of control data no mixing of within and between series controls
 - automatic block on reporting in out-of-control situations
 - focus on periodic review

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