

GMP certified Real-time PCR analyses



Workflow

Specifics

Assay Development

Primer & Probe design

Assay testing & optimization

Assay validation

Assays are custom made to fit customer need for specificity and sensitivity

Pre-analysis quality control

Testing equipment

Producing mastermix

Testing mastermix and controls

Robots and pipettes

Controls for qualitative assays:

- No-template extraction control
- Positive external extraction control
- Positive internal extraction control
- Positive PCR control
- Sensitivity control (for testing new mastermix)

Sample analysis

Pre-processing samples

Sample transfer

DNA/RNA extraction

Real-time PCR measurement

Data analysis

Customized to the specific sample material

Hamilton StarLet pipetting robot

MagNA pure 96 extraction robot

Stratagene MX3005P real-time PCR machine

Post-analysis quality control

Data trending and review

Sample ID is transferred electronically through the analysis process to ensure data integrity

Reporting