IT meets Life Science

MicroDiscovery

New wave diagnostics

CheckReport - multiparameter in vitro diagnostics with biochips

Recent trends towards personalised medicine and multiparameter diagnostics need high quality software systems enabling certified analysis for clinically accurate and reliable results. Clinical diagnostics tends to more complexity. Patients need certainty. Quality standards are rising. The demand for innovative diagnostic tools to answer complex medical questions is high. Appropriate and validated software is needed to solve these problems. Our software development meets this demand.

MicroDiscovery is your partner for software development in all fields of multiparameter testing and multiplex applications according to the highest quality standards. Our customer specific software solutions can be certified according to the EU directives on in vitro diagnostics (98/79/EC) and current FDA regulations on diagnostic tests (CFR21 part 11).

MicroDiscovery's custom-tailored solutions are based on our tried and tested modules: transaction save data handling, GeneSpotter™ biochip data analysis software and audit trail functionalities. Each test is clearly identified by its barcode, automatically analysed and assigned to the corresponding patient data.

CheckReport Software

CheckReport is a system for routine diagnostics of infectious diseases by multiparameter classification with biochips that was developed by MicroDiscovery for Greiner Bio-One AG.
Outstanding Features:

- CE certification
- Barcode-controlled evaluation
- Seamless scanner integration
- Complete audit trail
- Guaranteed data consistency
- FDA approval in progress

GeneSpotter-CGH Software

GeneSpotter-CGH is a custom made Array-CGH (comparative genomic hybridisation) analysis software. The system is designed for routine diagnostics of chromosomal aberrations or the assessment of genetic conditions with high-density biochip microarrays. As a diagnostic assay, GeneSpotter-CGH has the power to replace up to 30.000 FISH tests in a single experiment.

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