HSE·AG

QIAsymphony

CASE STUDY

CASE STUDY: QIAsymphony

THE CHALLENGE

Decentralized molecular testing by enabling medium throughput laboratories. Molecular testing is largely centralized in specialized laboratories, reference labs and large hospitals. Sample types are very divers, come in very different containers and need to be tested for a broad range of diseases.

THE GOAL

Build a system that accommodates for the immense variety of setups of medium throughput testing labs. All samples types and input formats will be accepted by the system. 1 to 96 samples, input volumes from 100 ul to 1 ml and processing of any type of PCR assay gives the operator highest flexibility. Despite its flexibility the system will be setup in less than 15 min. and run from start to finish without user intervention.

THE APPROACH

In order to accommodate for the various setups and demands of the laboratories a modular system design with sample preparation, assay setup and analysis was chosen. Ease of use and quick setup of the system was achieved with a disposable, pre-filled reagent cartridge design loaded into an easily accessible drawer. The sample input and output area can be loaded with individual tubes or micro-plates. The system is operated via touchscreen. The core sample processing module can be extended with either an assay setup module or an automated PCR cycler unit for up to 140 analyses per run.

THE RESULT

2000 units have been sold globally so far. QIAsymphony is the undisputed standard in automated nucleic acid sample processing for the medium throughput laboratory.