

■ Biosensorics

Detection of biogenic substances (toxins, bacteria, viruses)

-4H-JENA engineering GmbH has finalized design and development of a high potential platform technology comprising a processing/detection unit and dedicated, individualized cartridges. Cartridges and Assay-Kits provide safe and easy-to-handle multiplex-analysis of all kinds of biological agents on the basis of nucleic-acids and/or antibodies.

Integrated Biosensor-System for the on-location analysis of biological agents



Biotest-Kits for different respective assays

- * All necessary enzymes
- * Additional components
- * Appropriate buffer system



Disposable cartridge as a closed micro vessel for all biological reaction sequences

- * Biochip Technology (RNA, DNA, Proteins)
- * Homogenous multistep assays without washing
- * Micro-volume of 80 µl

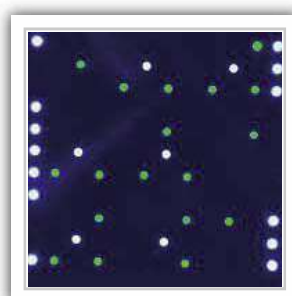


Implementation of all steps for processing und analysis within one single instrument

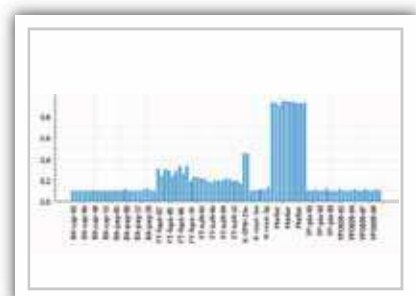
- * Thermo cycling (accurate, fast and flexible temperature control)
- * Optical detection (fluorescence intensity)
- * Comprehensive image and data analysis via notebook/tablet



Logo Multi Sensor for biogenic media



Biochip



Analytic and Evaluation Software