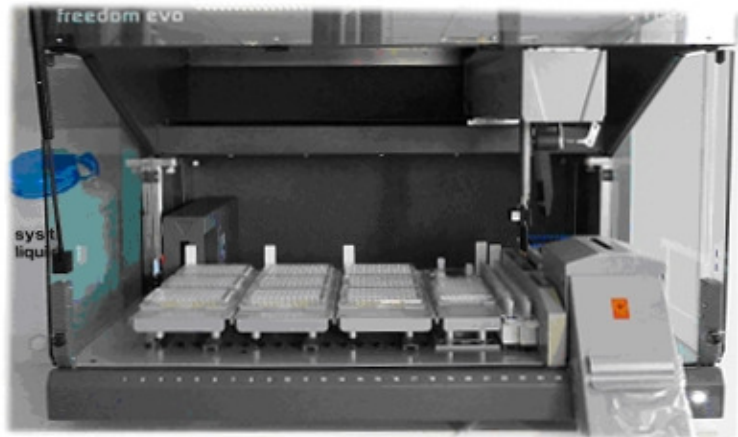


MICRONAUT ASTroID

**Workflow MICRONAUT /
MALDI-TOF fully
automated**

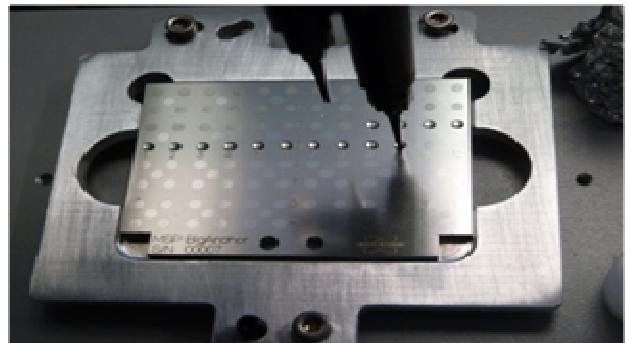
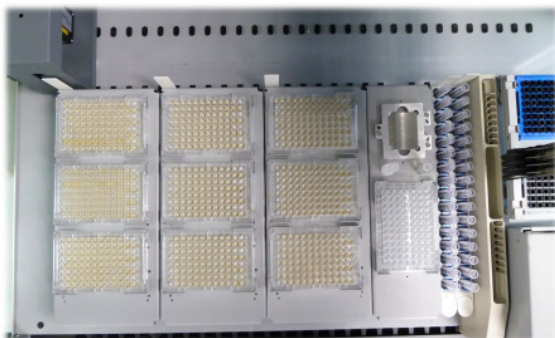


▼ Automation of the workflow

- Automated dilution procedures of the bacteria suspensions to perform microbial identification (MALDI-TOF) and antimicrobial susceptibility testing (MICRONAUT)
- Precise inoculation of the MALDI-TOF targets
- Processing of the specimen by adding matrix solution
- Force drying by an integrated Peltier element
- Inoculation of MICRONAUT MIC plates
- Automated processing of up to 100 samples per hour

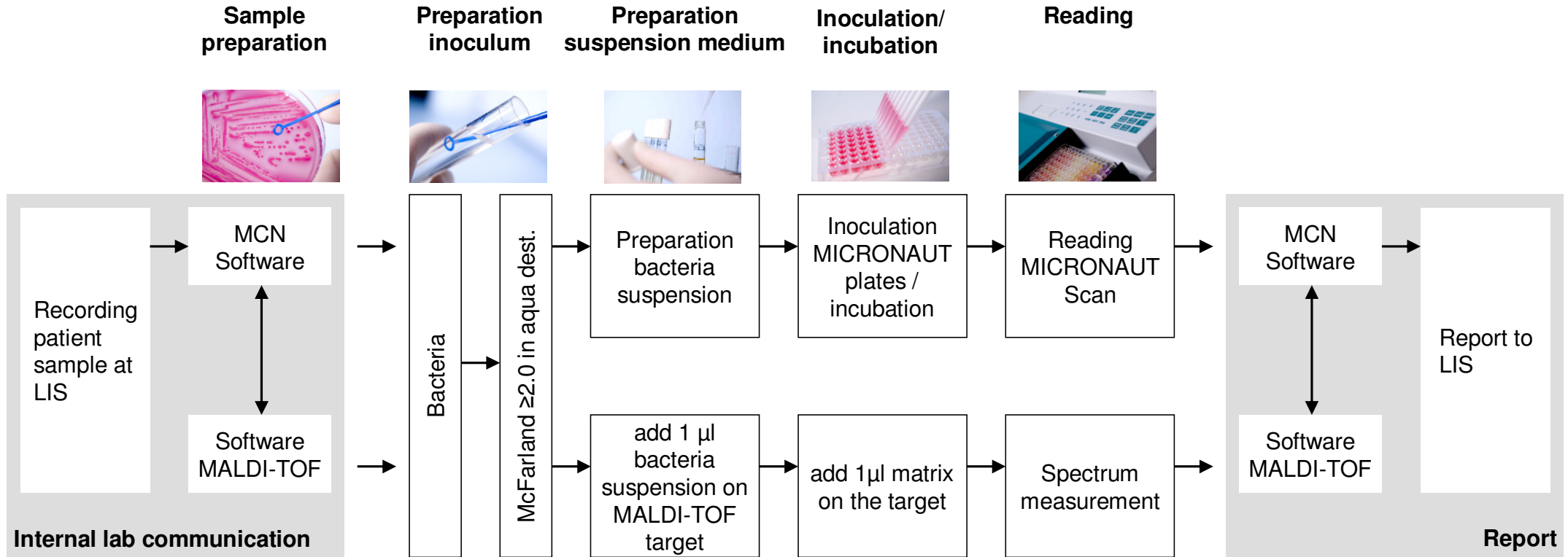
▼ Standardization of the procedure

- Identical samples for identification and susceptibility testing
- Homogeneous sample dispersion onto the surface of the MALDI-TOF target for high grade identification results
- Software-based allocation for definite positioning of the samples onto the MALDI-TOF target
- Definite sample identification by complete bar code management of the sample tubes and MICRONAUT MIC plates



Inoculation of MICRONAUT MIC plates and MALDI-TOF targets from a uniform bacteria suspension

Combined Workflow MICRONAUT/ MALDI-TOF



Internal lab communication

Communication between MALDI-TOF Analyzer and Lab Information System via MCN6 Software



Report

Transfer of MALDI-TOF identification result to MCN 6 software. Based on this information evaluation and interpretation of the AST result will be performed by the expert module of the MCN6 software.