



IDENTIBAC

AMR -ve GENOTYPING

The Identibac AMR-ve is a DNA array for the simultaneous detection of *antimicrobial resistance genes in Gram-negative bacterial isolates (AMR-ve)*.

ArrayTube™ DNA microarrays for the identification of *54 antimicrobial resistance genes*

- characterises the resistance gene profile of your Gram-negative strains genetically and determines the underlying molecular cause of resistance
- results obtained within 24 hours
- enables the study of epidemiological outbreaks at a molecular level
- enables you to conduct surveillance at the genetic level
- enables you to study the incidence of resistance genes in a population over time or as a snapshot in a particular setting
- to use with ArrayMate™ and ATR 03 reader
- for gene list see www.identibac.com



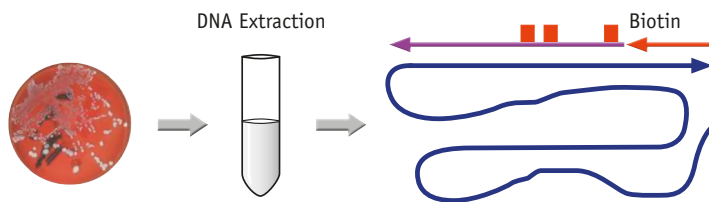
Genotyping
on the Spot 

ASSAY PRINCIPLE

Following the extraction of genomic DNA the technique has the following basic stages:

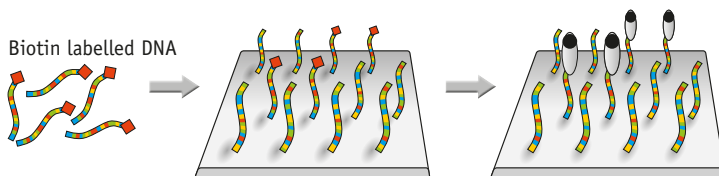
Amplification

The extracted RNA free genomic DNA is Biotin labelled and amplified in a linear multiplex PCR reaction.



Hybridisation

The resulting single stranded PCR product hybridises to the corresponding probes. The bound PCR product is detected using a horse-radish peroxidase – streptavidin conjugate, which converts the substrate [seramun green] into a coloured precipitate.



Detection + Analysis

The Reader (ArrayMate™ or ATR 03 Reader) enables the capture and visualisation of the array image. The presence of a dark spot indicates successful hybridisation. The software, supplied with the ArrayMate™ Reader (or ArrayTube™ Reader ATR 03), measures the signal intensity of each probe and determines which genes are present in the sample.



Analysis of the tubes by the ArrayMate™ Reader

Central unit of the test are ArrayTubes with high quality microarrays at the bottom



NEW!

AMR -ve GENOTYPING KIT

Catalogue no. 205300050

Kit Content

- 50 ArrayTubes
- Master mix for linear amplification
- Hybridisation buffer system
- Software available for automated analysis on the Arraymate

FOR RESEARCH USE ONLY.
NOT INTENDED FOR USE IN CLINICAL DIAGNOSIS.

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