



# Rapid species differentiation and antimicrobial resistance determination from blood culture – the GenoType® product range Blood Culture!

The new tests **GenoType® BC grampositive** and **GenoType® BC gramnegative** of Hain Lifescience represent two valuable tools for the completion of your microbiological diagnostics. Starting with the Gram preparation of a positive blood culture, you can select between **GenoType® BC grampositive** and **GenoType® BC gramnegative**.

**GenoType® BC grampositive** and **GenoType® BC gramnegative** offer you the following benefits:

- **Detection of Gram-positive bacteria and resistance determination in a single step:** in addition to species differentiation, the **GenoType® BC grampositive** offers the option to detect genetically determined methicillin and vancomycin resistance.
- **Detection of Gram-negative bacteria:** the **GenoType® BC gramnegative** assay allows the detection of 15 Gram-negative species at the same time.
- **Fast results:** both tests of the **GenoType®** product range Blood Culture can be directly performed from positive blood culture; no sub-cultivation is required. Starting with a positive blood culture, the result is already available after a few hours. In addition, DNA isolation with the new **GENO•CARD®** saves time.
- **Safety:** species differentiation and resistance determination are performed on the genetic level with both tests. Consequently, results are clear and unambiguous, because they are not based on phenotypic characters or biochemical parameters only.



**DNA isolation with the GENO•CARD® – specially tuned to tests of the GenoType® product range Blood Culture**



The **GENO•CARD®** allows a most rapid DNA isolation. First, a drop of the positive blood culture is applied to the **GENO•CARD®**. Then a small piece of the carrier matrix is punched out and directly used in the amplification reaction. Therefore, the **GENO•CARD®** allows rapid, easy and convenient DNA isolation compared to other methods.



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Info: [www.hain-lifescience.de](http://www.hain-lifescience.de)

## GenoType® BC grampositive

GenoType® BC grampositive allows the detection of 17 Gram-positive bacteria species. In addition, the test supplies information on a potential resistance to methicillin or vancomycin.

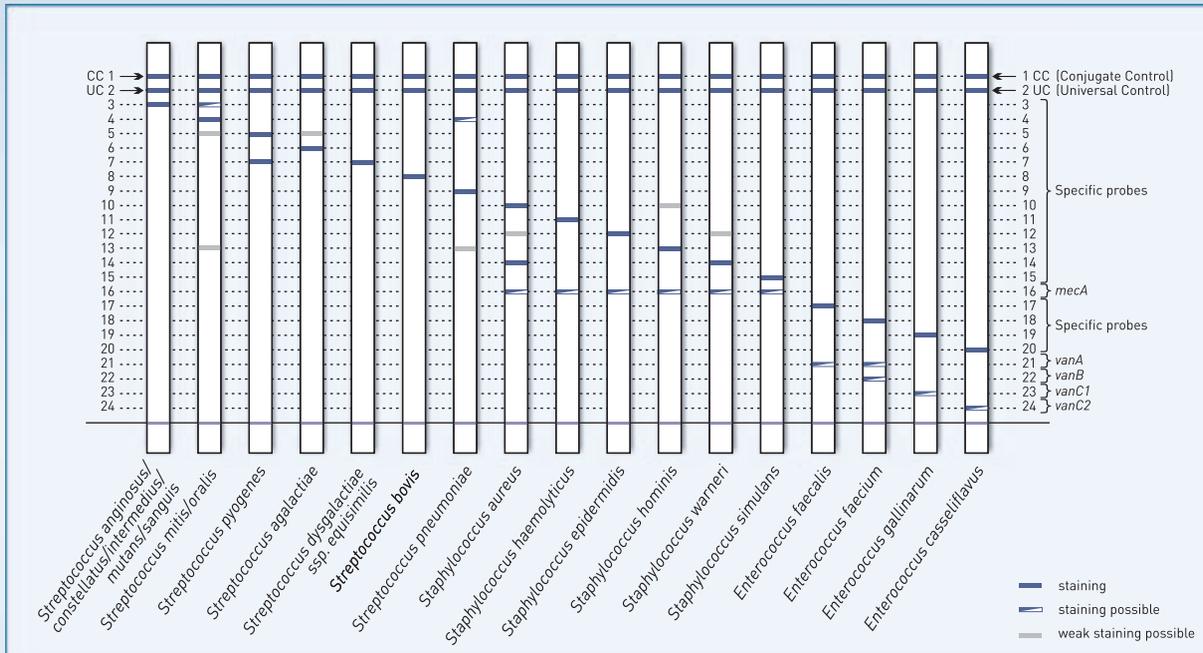


Fig. 1: Reaction zones of GenoType® BC grampositive

## GenoType® BC gramnegative

GenoType® BC gramnegative allows the detection of 15 Gram-negative bacteria species directly from blood culture.

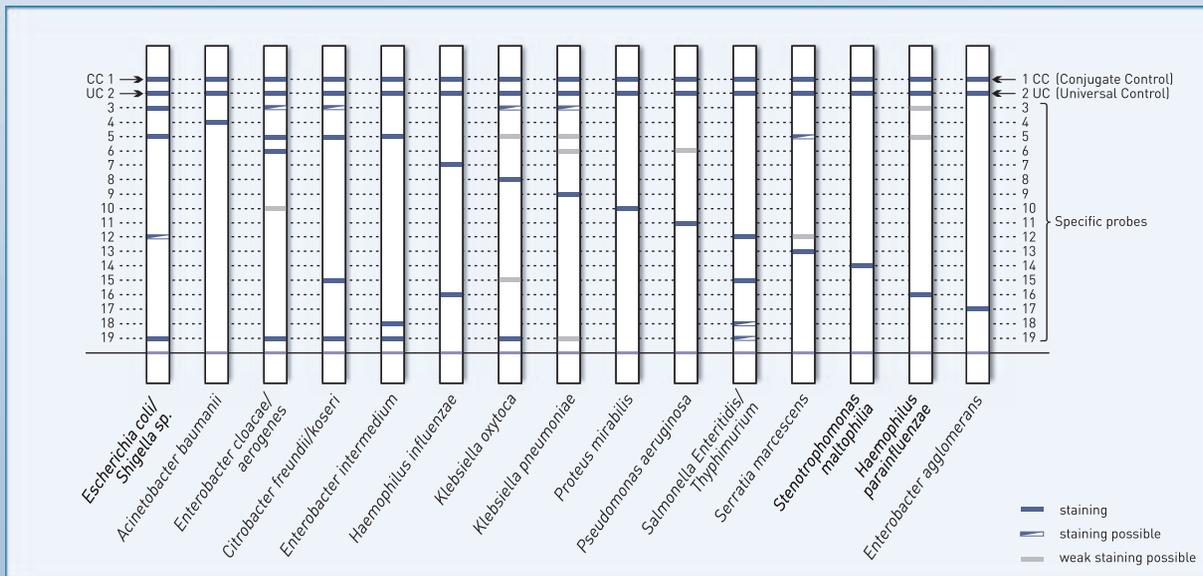


Fig. 2: Reaction zones of GenoType® BC gramnegative

## Hain Lifescience GmbH

Hardwiesenstraße 1 | D- 72147 Nehren  
 Tel.: +49 (0) 74 73- 94 51- 0 | Fax: +49 (0) 74 73- 94 51- 99  
 E-Mail: [info@hain-lifescience.de](mailto:info@hain-lifescience.de) | [www.hain-lifescience.de](http://www.hain-lifescience.de)

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