

GenoType BC Product Series

Blood culture diagnostics



Species identification and detection of antibiotic resistances

To complete your sepsis diagnostics:

GenoType BC grampositive and **GenoType BC gramnegative**

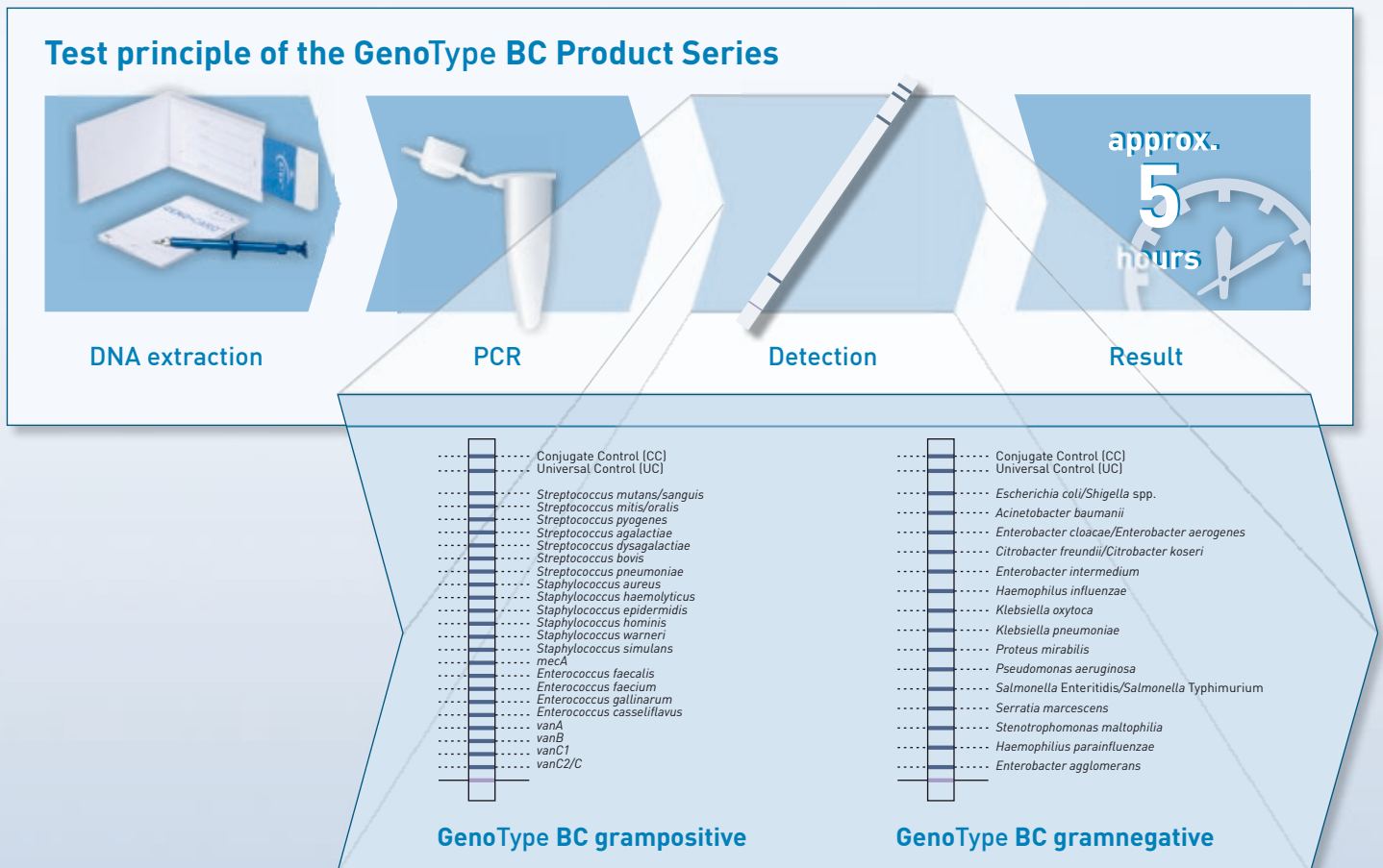


Your benefits of using the GenoType BC Product Series

- **Broad pathogen panel:** The **GenoType BC Product Series** allows for the species identification of 15 gram-negative and 17 gram-positive bacteria as well as their methicillin and vancomycin resistance.
- **Rapid results:** Both tests of the **GenoType BC Product Series** can be performed directly from positive blood culture; no subcultivation is required. Starting with a positive blood culture, results can be generated within five hours. In addition, isolating DNA with **GENO•CARD** saves valuable time.
- **Reliable results:** Species differentiation and resistance determination are performed on the genetic level. Consequently, results are clear and unambiguous, as they are not only based on phenotypic characteristics or biochemical parameters.

Rapid and reliable results

Sepsis ranks among the three most frequent causes for death. It is the result of bacteria spreading throughout the whole body of a patient and leads to multi-organ failure if not treated rapidly and correctly. Thus, it is essential to identify the causative pathogen and its resistances as soon as possible. For this identification, blood culture bottles are inoculated with patient samples. After gram staining of a positive blood culture, you can choose between **GenoType BC grampositive** and **GenoType BC gramnegative** to complement your microbiological diagnostics. After only five hours you are able to identify the 15 most important gram-negative and 17 gram-positive bacteria as well as their resistances to methicillin and vancomycin.



DNA extraction with GENO•CARD – tailor-made for the GenoType BC Product Series

Compared to conventional isolation methods, the **GENO•CARD** allows for a rapid, easy and convenient DNA extraction. First, a drop of the positive blood culture is applied onto the **GENO•CARD**. A small piece of the carrier matrix is then punched out and used directly for amplification.

For further information please contact Hain Lifescience or your local distributor.

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