Luminex®

VERIGENE®

The VERIGENE® System | Enabling Better Care. Today.

VERIGENE® Gram-Positive Blood Culture Nucleic Acid Test (BC-GP)

VERIGENE® BC-GP is a qualitative, multiplexed, *in vitro*, diagnostic test performed on the VERIGENE System, that rapidly identifies genus, species, and genetic resistance markers for a broad panel of gram-positive bacteria directly from positive blood culture bottles.

While conventional microbiological methods may require 2 to 4 days to produce bacterial identification and susceptibility results, VERIGENE BC-GP provides results within 2.5 hours of blood culture positivity. Features include:

- Automation, with a sample to result system
- An on-demand and scalable workflow
- Fast time to results, with <5 minutes hands-on time and <2.5 hours run time

> "Implementation of the BC-GP assay contributed to a reduction in time to appropriate antimicrobial therapy, regardless of patient population, and a decrease in LOS and overall hospital costs among patients without other significant comorbidities."
>
> Felsenstein S, Mender JM, Sposto R, et al.[1]

VERIGENE® BC-GP
Species
Staphylococcus aureus
Staphylococcus epidermidis
Staphylococcus lugdunensis
Streptococcus anginosus Group
Streptococcus agalactiae
Streptococcus pneumoniae
Streptococcus pyogenes
Enterococcus faecalis
Enterococcus faecium
Genus
Staphylococcus spp.
Streptococcus spp.
Listeria spp.
Resistance
mecA (methicillin)*
vanA (vancomycin)**
vanB (vancomycin)**

*The assay detects the presence of the *mecA* gene in a sample, but does not determine which *Staphylococcus* species (*S. aureus* and or *S. epidermidis*) produced the gene.
**The assay detects the presence of the *vanA* or *vanB* gene in a sample, but does not determine which *Enterococcus species* (*E. faecalis* and/or *E. faecium*) produced the gene.

Performance

VERIGENE® BC-GP Performance vs. Reference Methods[2]

Target	Positive Agreement (%)	Negative Agreement (%)
Species		
Staphylococcus aureus	99.1	100
Staphylococcus epidermidis	93.1	98.9
Staphylococcus lugdunensis	95.0	100
Streptococcus agalactiae	98.6	100
Streptococcus anginosus Group	100	99.8
Streptococcus pneumoniae	100	99.6
Streptococcus pyogenes	95.8	100
Enterococcus faecalis	96.9	99.9
Enterococcus faecium	97.1	100
Genus		
Staphylococcus spp.	98.0	99.4
Streptococcus spp.	93.6	99.6
Listeria spp.	100	100
Resistance		
*mecA—S. aureus** (methicillin)	97.5	98.8
*mecA—S. epidermidis** (methicillin)	92.0	81.5
*vanA*** (vancomycin)	94.2	99.8
*vanB*** (vancomycin)	100	100

*The assay detects the presence of the *mecA* gene in a sample, but does not determine which *Staphylococcus* species (*S. aureus* and or *S. epidermidis)* produced the gene.
**The assay detects the presence of the *vanA* or *vanB* gene in a sample, but does not determine which *Enterococcus species* (*E. faecalis* and/or *E. faecium*) produced the gene.

Usage

VERIGENE® BC-GP is indicated for use in conjunction with other clinical and laboratory findings to aid in the diagnosis of bacterial bloodstream infections; however, it is not to be used to monitor these infections. See the Package Insert for more information.

Ordering Information

Product Name	Part Number
VERIGENE® Gram-Positive Blood Culture (BC-GP) Nucleic Acid Test Kit Includes: 20 BC-GP Test Cartridges 20 Extraction Trays	20-005-018
VERIGENE® Gram-Positive Blood Culture (BC-GP) Nucleic Acid Utility Kit Includes: 20 BC-GP Utility Trays	20-012-018

References

1. Felsenstein S, Mender JM, Sposto R, et al. Impact of a rapid blood culture assay for gram-positive identification and detection of resistance markers in a pediatric hospital. Arch Pathol Lab Med 2016;140:267-75.
2. VERIGENE Gram-Positive Blood Culture Nucleic Acid Test (BC-GP) Package Insert (027-00030-01). Combined results obtained testing prospective fresh and/or frozen blood culture specimens.

Luminex®
complexity simplified.

orders@luminexcorp.com or support@luminexcorp.com

For In Vitro Diagnostic Use. Products are region specific and may not be approved in some countries/regions. Please contact Luminex at support@luminexcorp.com to obtain the appropriate product information for your country of residence.

©2016-2018 Luminex Corporation. All rights reserved. Luminex and VERIGENE are trademarks of Luminex Corporation, registered in the U.S. and other countries.

www.luminexcorp.com/BCGP/

HEADQUARTERS
UNITED STATES
+1.512.219.8020
info@luminexcorp.com

EUROPE
+31.73.800.1900
europe@luminexcorp.com

CANADA
+1.416.593.4323
info@luminexcorp.com

CHINA
+86.21.8036.9888
infocn@luminexcorp.com

JAPAN
+81.3.5545.7440
infojp@luminexcorp.com

SS104272