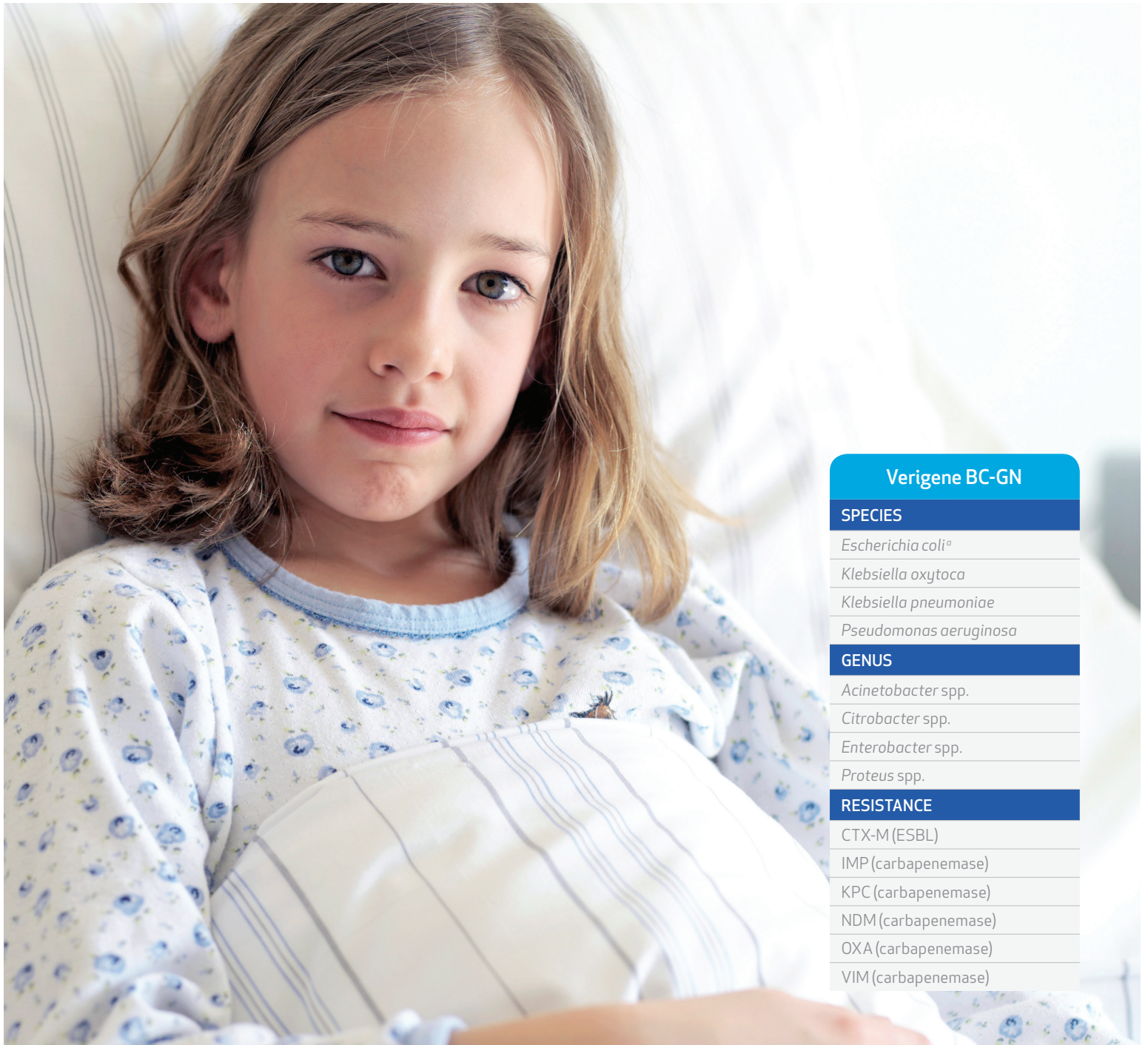


The Verigene® System | Enabling Better Care. Today.

Verigene® Gram-Negative Blood Culture Nucleic Acid Test (BC-GN)

For in vitro Diagnostic Use



Verigene BC-GN

SPECIES

Escherichia coli^a
Klebsiella oxytoca
Klebsiella pneumoniae
Pseudomonas aeruginosa

GENUS

Acinetobacter spp.
Citrobacter spp.
Enterobacter spp.
Proteus spp.

RESISTANCE

CTX-M (ESBL)
IMP (carbapenemase)
KPC (carbapenemase)
NDM (carbapenemase)
OXA (carbapenemase)
VIM (carbapenemase)

Verigene BC-GN Performance vs. Reference Methods^b

TARGET	POSITIVE AGREEMENT (%) ^b	NEGATIVE AGREEMENT (%) ^b
Species (n=1412)		
<i>Escherichia coli</i> ^a	99.8	99.4
<i>Klebsiella oxytoca</i>	92.2	99.6
<i>Klebsiella pneumoniae</i>	93.1	100
<i>Pseudomonas aeruginosa</i>	97.6	100
Genus (n=1412)		
<i>Acinetobacter</i> spp.	98.2	99.9
<i>Citrobacter</i> spp.	100	99.9
<i>Enterobacter</i> spp.	97.6	99.4
<i>Proteus</i> spp.	100	99.9
Resistance (n=1266)		
CTX-M	98.7	99.9
IMP	100	100
KPC	100	100
NDM	100	100
OXA	95.3	99.9
VIM	100	100

Verigene BC-GN is an automated multiplex molecular diagnostic test that rapidly identifies genus, species and genetic resistance determinants for a broad panel of gram-negative 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-GN provides results within 2 hours of blood culture positivity.

"Among all of the bacterial resistance problems, gram-negative pathogens are particularly worrisome, because they are becoming resistant to nearly all drugs that would be considered for treatment...The most serious gram-negative infections are healthcare-associated, and the most common pathogens are Enterobacteriaceae, Pseudomonas aeruginosa and Acinetobacter."

—CDC. Antibiotic resistance threats in the United States, 2013.^d

Key Features

Automation	————>	Sample-to-Result
Workflow	————>	On-Demand and Scalable
Sample Type	————>	Positive Blood Culture Bottle ^c
Hands-On Time	————>	<5 Minutes
Run Time	————>	<2 Hours

Ordering Information

PRODUCT NAME	DESCRIPTION	CATALOG NO.
BC-GN Nucleic Acid Test Kit	20 BC-GN Test Cartridges and Extraction Trays	20-005-021
BC-GN Utility Kit	20 BC-GN Utility Trays	20-012-021

To learn more about the Verigene difference, contact us at info@nanosphere.us or call 1-888-837-4436.

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^a. BC-GN will not distinguish *Escherichia coli* from *Shigella* spp. (*S. dysenteriae*, *S. flexneri*, *S. boydii*, and *S. sonnei*). ^b. Source: Verigene Gram-Negative Blood Culture Nucleic Acid Test (BC-GN) Package Insert (027-00039-01, Rev. B; February 2014). ^c. For use with all continuous monitoring blood culture bottles; see Verigene BC-GN package insert for details. ^d. Centers for Disease Control and Prevention. US Department of Health and Human Services. Antibiotic Resistance Threats in the United States, 2013. <http://www.cdc.gov/drugresistance/threat-report-2013/pdf/ar-threats-2013-508.pdf>. Accessed April 21, 2014. For information regarding patents associated with use of the Verigene System, please visit www.nanosphere.us/company/legal.