

Ordering information

Product		Cat.No.
Orion GenRead Instrument	1 pcs	143924
Orion GenRead C. difficile	24 tests	143923
Orion GenRead Campylobacter	24 tests	148048
Orion GenRead Workstation	1 pcs	147701
Battery unit	1 pcs	147749

Technical information

Instrument	
Instrument size	150 mm (H) * 225 mm (W) * 230 mm (D)
Weight	3.55 kg
Measurement capacity per run	1–12 samples
Touch screen	Colour touch display
User interface	23 languages
Connectivity	Bidirectional, HL7 standard
Test kits	
Reagents	Ready to use with freeze dried reagents Internal control included
Protocol	Isothermal nucleic acid amplification No separate nucleic acid purification step needed

References

- Hoser MJ et al. Strand Invasion Based Amplification (SIBA®): A novel isothermal DNA amplification technology demonstrating high specificity and sensitivity for a single molecule of target analyte. PLoS ONE 2014; 9(11): e112656. doi:10.1371/journal.pone.0112656A
- Hirvonen J et al. Novel portable platform for molecular detection of toxigenic *Clostridium difficile* in faeces: a diagnostic accuracy study. Eur J Clin Microbiol Infect Dis. 2016. doi:10.1007/s10096-016-2860-0.



Orion Diagnostica develops, manufactures and markets diagnostic test systems for healthcare professionals with over 40 years of experience. Building well-being is the core of our mission. SIBA® and Orion GenRead® are registered trademarks of Orion Diagnostica Oy. All Orion GenRead test kits are CE marked.



Orion Diagnostica Oy
Koivu-Mankkaan tie 6 B, P.O. Box 83, FI-02101 Espoo, Finland
Tel. +358 10 4261, Fax +358 10 426 2794
www.oriondiagnostica.com, www.oriongenread.com

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Orion GenRead
Products



Molecular testing for healthier life

Orion GenRead®



Molecular testing for healthier life

Orion GenRead® is a small benchtop system for rapid molecular pathogen detection. It is based on SIBA® technology, Orion Diagnostica's proprietary isothermal nucleic acid amplification technology. SIBA is a fast and highly sensitive and specific technology, that overcomes the shortcomings of traditional real-time PCR¹. The technology, which utilizes a recombinase system rather than thermal cycling for separating the double stranded template, allows fast amplification and detection of nucleic acids with simple and small instrumentation.

The user friendly Orion GenRead instrument brings fast and accurate molecular testing outside of conventional PCR laboratories, as it requires no special facilities or skills in molecular methods.

Fast and Easy to use

Saves both time and resources in the laboratory

- » Test results available in less than one hour
- » Can be used without special training in molecular methods
- » Ready to use kits containing all needed reagents

Flexible

Allows optimised workflow

- » 1–12 samples can be tested in the same run
- » Different tests can be run simultaneously
- » Portable instrument is suitable for various laboratory settings
- » Allows testing anytime during the workday

Reliable

Self-contained instrument

- » Bi-directional HIS/LIS connectivity for fast and safe data transfer
- » Does not require installation or regular maintenance

All-inclusive test kits

- » Proven performance²
- » Internal control integrated into each reagent tube

Test selection

- » For gastrointestinal pathogen testing: C. difficile and Campylobacter
- » Next analytes: Influenza A & B + RSV



Orion GenRead C. difficile



Orion GenRead Campylobacter



Orion GenRead Influenza A & B



Orion GenRead RSV