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Rapid GenomEra[®] PCR tests by Abacus Diagnostica part of Uniogen

Molecular diagnostics made effortless,
quick, and reliable





Uniogen

is a global diagnostics pioneer and a one-stop-shop for clinical diagnostics, point-of-care testing, and instrumentation for life sciences. We are based in Turku, Finland. Our products are being used in about 100 countries worldwide.

GenomEra® CDX system

is an easy to use and straightforward PCR system comprising software, instrument, and test chips. GenomEra® CDX system provides simplicity, sensitivity, safety, and speed in molecular diagnostics without compromising the quality of results and reliability. This means both cost-efficiency and quicker and better care for the patients. GenomEra CDX can be used in a clinical laboratory or healthcare unit not necessarily having a specialist in molecular biology but rather personnel who routinely perform assays and analyses in the field of infectious diseases diagnostics.

■ HSV-1/2, VZV + EV

Unique test for detecting viruses causing viral meningitis

A rapid molecular test for the simultaneous detection of the four most common causes of viral meningitis and encephalitis.

■ SARS-CoV-2 2.0

2nd generation COVID-19 test takes usability to a new level

The assay provides fast and reliable detection of SARS-CoV-2 using RT-PCR, the golden standard for COVID-19 diagnostics.

■ SARS-CoV-2, Flu A/B + RSV 2.0

Fast detection and differentiation of SARS-CoV-2, Flu A, Flu B, and RSV

Key benefits of version 2.0 are improved sensitivity and specificity, inactivation of viruses during sample collection, wider usability of different sample collection media and quicker workflow.

■ Norovirus

Cost-effective and reliable method for on-demand testing of norovirus

The fastest molecular assay for genogroup GI and GII noroviruses on the market.

■ C. Difficile

Enabling a 1-step algorithm to reliably detect toxigenic *Clostridioides difficile*

A rapid, simple, and high-performance molecular assay to diagnose your patients directly from unformed stool samples suspected positive for toxigenic *C. difficile* in less than one hour.

■ MRSA/SA Multi Swab

Highly sensitive assay for ruling out MRSA/SA carriage

The test offers a rapid and simple high-performance molecular assay for the direct detection of SA and MRSA infection from clinical swab samples – nose, throat, and groins.

GenomEra Assay Kit Compatibility Sheet

At present, there are three different PCR assay protocols applied for the GenomEra Assay Kits: End-point PCR, RT qPCR and RT qPCR Rapid. Different GenomEra Assay Kits may be run simultaneously in the GenomEra CDX Instrument depending on the Assay Kits used. The assay compatibility is illustrated in the following table.

PCR Protocol		
End-point PCR (50 min)	RT qPCR* (70 min)	RT qPCR Rapid (50 min)
C. difficile Assay Kit	Norovirus Assay Kit	SARS-CoV-2 2.0 Assay Kit
MRSA/SA AC Assay Kit	Flu A/B + RSV Assay Kit	SARS-CoV-2, Flu A/B + RSV 2.0 Assay Kit
MRSA Multi Swab Assay Kit	HSV-1/2, VZV + EV Assay Kit	
S. pneumoniae Assay Kit	SARS-CoV-2 Assay Kit	
GBS Assay Kit	SARS-CoV-2, Flu A/B + RSV Assay Kit	

* Qualitative Real-Time Reverse-Transcription PCR

■ SA/MRSA AC

Comprehensive test for detection and differentiation of *S. aureus* and MRSA

A rapid and simple high-performance molecular assay enables a definitive differentiation of MRSA or SA in less than one hour from positive blood cultures, liquid cultures, or culture plates.

■ *S. pneumoniae*

Reliable way to detect *S. pneumoniae* from other Streptococci

The assay enables reliable and specific detection of pneumococcus from cultured primary blood samples suspected positive for *S. pneumoniae*

■ GBS (Group B streptococcus)

Sensitive and fast detection of GBS during pregnancy and at the time of delivery

The assay simplifies and speeds up GBS testing by providing reliable results from vaginal-rectal swab samples in less than one hour.



Rapid GenomEra® PCR tests

The GenomEra® CDX system by Abacus Diagnostica provides a powerful tool for running molecular diagnostics routinely and cost-efficiently without compromising assay reliability and quality. The current GenomEra product portfolio consists of assay kits intended to aid in the diagnosis of CNS, critical and blood stream infections, complemented with a perinatal diagnostic assay.

Product type	CNS Infections	Critical Infections				Blood Stream Infections	Perinatal Diagnostics
Sample type	CSF	Skin swab	Respiratory samples	Direct stool	Culture	Positive blood culture	Direct swab Enriched broth
Product	HSV-1/2 VZV + EV	MRSA/SA Multi swab	SARS-CoV-2 SARS-CoV-2 2.0 SARS-CoV-2, Flu A/B + RSV SARS-CoV-2, Flu A/B + RSV 2.0	<i>C. difficile</i> Norovirus (separation of GI and GII)	SA/MRSA AC (with mecC)	SP <i>S.pneumoniae</i>	GBS (Group B Streptococcus)

CE Tests are CE marked in accordance with the IVD directive. Product availability may vary from country to country and is subject to varying regulatory requirements. Please contact your local representative for availability. GenomEra is a registered trademark of Abacus Diagnostica Oy.

These GenomEra products are manufactured by Abacus Diagnostica - part of Uniogen, Tykkistökatu 4-D, Electrocity, tel. +358 20 7188 380, FI-20520 Turku, FINLAND
E-mail inquiries@uniogen.com, www.uniogen.com

