

At Siemens Healthineers, our purpose is to enable healthcare providers to increase value by empowering them on their journey toward expanding precision medicine, transforming care delivery, and improving patient experience, all made possible by digitalizing healthcare.

An estimated 5 million patients globally benefit every day from our innovative technologies and services in the areas of diagnostic and therapeutic imaging, laboratory diagnostics, and molecular medicine, as well as digital health and enterprise services.

We are a leading medical technology company with over 120 years of experience and 18,000 patents globally. Through the dedication of more than 50,000 colleagues in 75 countries, we will continue to innovate and shape the future of healthcare.

Product availability may vary from country to country and is subject to varying regulatory requirements. Please contact your local representative for availability.

Fast Track Diagnostics assays are CE-marked for IVD use in the EU. For Fast Track Diagnostics assays, please see the compatibility list to learn more about our compatible instruments. Customer is responsible for validating the assay on instruments listed in the compatibility list.

Fast Track Diagnostics

Siemens Healthineers, with the acquisition of Fast Track Diagnostics Ltd., offers one of the largest ranges of syndromically grouped real-time PCR multiplex assays available, covering major disease groups such as respiratory infections, gastroenteritis, hepatitis, infections of the immunosuppressed, sexually transmitted infections, childhood infections, meningitis, eye infections, and tropical fever.



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Infectious
Disease
Testing

More Targets, Better Results

Syndromic Real-time PCR Multiplexing Assays

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Platform-agnostic Syndromic Testing

Challenge: Consolidating testing for relevant pathogens in symptomatic patients

Infectious diseases are caused by pathogenic microorganisms, such as bacteria, viruses, parasites or fungi; the diseases can be spread, directly or indirectly, from one person to another.¹ As of 2018, infectious diseases accounted for about 1 in 4 deaths worldwide, including approximately two-thirds of all deaths among children younger than age 5.²

Early diagnosis and monitoring of these infections is extremely important, especially in the management of high-risk patients. Molecular laboratories are increasingly asked to do more with less in the face of laboratory staffing challenges, managing multiple assays on multiple platforms and service agreements with multiple vendors. The challenge is compounded by the need for different PCR protocols for a wide variety of specimens across several disease states.

Solution: Fast Track Diagnostics Syndromic Real-time PCR Multiplexing Assays

Siemens Healthineers offers one of the largest ranges of syndromically grouped real-time PCR multiplex assays covering major disease groups, such as respiratory infections, gastroenteritis, sexually transmitted infections, childhood infections, meningitis, eye infections, immunosuppression, hepatitis, and tropical fever.

Our syndromic molecular assays use a unique platform-agnostic approach, giving laboratories the flexibility to test on their existing instrumentation.*

Greater efficiency

- Simultaneous detection of probable pathogens in one kit for increased testing efficiency
- Liquid and lyophilized formats compatible with many extraction and thermal cycler platforms³
- Automated PCR analysis with AI-powered FastFinder software†

Lower costs

- Syndromic panels enable testing of multiple pathogens at once, saving time and resources.³
- Platform-agnostic kits can be run on your existing molecular instrumentation reducing capital expenditures and laboratory space requirements.³
- A single sample and test covers probable pathogenic causes—viruses, bacteria, fungi, or parasites—at the same time, in one run.

Better outcomes

- Enables precision medicine with clinically relevant multiplex panels.
- Improves patient outcomes with a faster clinical diagnosis and appropriate treatment plan.
- Covers major disease groups: respiratory infections, gastroenteritis, sexually transmitted infections, childhood infections, meningitis, eye infections, immunosuppression, hepatitis, and tropical fever.

One-step syndromic real-time PCR multiplexing kits for the simultaneous detection of viruses, bacteria, fungi, or parasites



Respiratory Infections



Gastroenteritis



Sexually Transmitted Infections



Fever, Rash, Childhood Infections



Eye Infections



Hepatitis



Infections of the Immunosuppressed



Meningitis



Tropical Fever

*Customer is responsible for validating the assay in their own laboratory.
†FastFinder software is CE-marked for IVD use in the EU. Legal manufacturer, UgenTec NV.

1. World Health Organization (WHO), 2018.
2. National Institutes of Health (NIH), 2018.
3. Visit fast-trackdiagnostics.com for a list of compatible instruments.
Customer is responsible for validating the assay on instruments listed in the compatibility list.



Respiratory Infections

	Multiplex																Singleplex		
	Respiratory pathogens 16	Respiratory pathogens 21	Respiratory pathogens 21 plus	Respiratory pathogens 33	FLU	FLU/ HRSV	Flu differentiation	Atypical CAP	Bacterial pneumonia_CAP	Bacterial pneumonia_HAP	EPA	Bordetella	HCoV	HAdV/HMPV/ HBoV	SPn/Staph/ MC/Hi	HPIV	MERS-CoV	Pneumocystis jirovecii	Legionella
<i>Bordetella</i> spp.*				•															
<i>Bordetella parapertussis</i>												•							
<i>Bordetella pertussis</i>				•								•							
<i>Chlamydia pneumoniae</i>			•	•			•	•											
Enterovirus		•	•	•							•								
<i>Haemophilus influenzae</i>				•				•							•				
<i>Haemophilus influenzae</i> B			•	•															
Human adenovirus	•	•	•	•							•			•					
Human bocavirus		•	•	•										•					
Human coronavirus 229E	•	•	•	•									•						
Human coronavirus HKU1	•	•	•	•									•						
Human coronavirus NL63	•	•	•	•									•						
Human coronavirus OC43	•	•	•	•									•						
Human metapneumoviruses A/B	•	•	•	•										•					
Human parainfluenza virus 1	•	•	•	•												•			
Human parainfluenza virus 2	•	•	•	•												•			
Human parainfluenza virus 3	•	•	•	•												•			
Human parainfluenza virus 4	•	•	•	•												•			
Human parechovirus		•	•	•							•								
Human respiratory syncytial viruses A/B	•	•	•	•		•													
Human rhinovirus	•	•	•	•															
Influenza A virus	•	•	•	•	•	•													
Influenza A(H1N1) virus (swine-lineage)		•	•	•	•		•												
Influenza A(H3) virus							•												
Influenza A(H5) virus							•												
Influenza A(H7) virus							•												
Influenza B virus	•	•	•	•	•	•													
Influenza C virus				•															
<i>Klebsiella pneumoniae</i>				•					•										
<i>Legionella pneumophila/ longbeachae</i>				•			•	•											•
MERS-CoV																	•		
<i>Moraxella catarrhalis</i>				•				•							•				
<i>Mycoplasma pneumoniae</i>		•	•	•			•	•											
<i>Pneumocystis jirovecii</i>				•														•	
<i>Pseudomonas aeruginosa</i>									•										
<i>Salmonella</i> spp.				•															
<i>Staphylococcus aureus</i>			•	•				•							•				
<i>Streptococcus pneumoniae</i>			•	•				•							•				

*Except *Bordetella parapertussis*.



Gastroenteritis

	Multiplex					Singleplex
	Viral gastroenteritis	Bacterial gastroenteritis	EPA	Noro	Stool parasites	C. difficile
<i>Campylobacter coli/jejuni/lari</i>		•				
<i>Clostridium difficile</i>		•				•
<i>Cryptosporidium</i>					•	
<i>Entamoeba histolytica</i>					•	
Enterovirus			•			
<i>Giardia lamblia</i>					•	
Human adenovirus	•		•			
Human astrovirus	•					
Human parechovirus			•			
Norovirus GI	•			•		
Norovirus GII	•			•		
Rotavirus	•					
<i>Salmonella</i> spp.		•				
Sapovirus	•					
<i>Shigella</i> spp.		•				
Verocytotoxin-producing <i>E. coli</i>		•				
<i>Yersinia enterocolitica</i>		•				



Fever, Rash, Childhood Infections

	Multiplex						Singleplex	
	Vesicular rash	Fever and rash	EPA	Dermatophytes	Neonatal meningitis	Enteric fever (RUO)*	Mumps	Measles
Enterovirus		•	•					
<i>Escherichia coli</i>					•			
Herpes simplex virus 1	•							
Herpes simplex virus 2	•							
Human adenovirus			•					
Human herpesvirus 6		•						
Human herpesvirus 7		•						
Human parechovirus			•					
Human parvovirus B19		•						
<i>Listeria monocytogenes</i>					•			
Measles virus								•
<i>Microsporium audouinii/canis/ferrugineum</i>				•				
Mumps virus							•	
<i>Salmonella</i> spp.						•		
<i>Salmonella enterica</i> serovar Paratyphi A						•		
<i>Salmonella enterica</i> serovar Typhi						•		
<i>Streptococcus</i> Group B					•			
<i>Trichophyton mentagrophytes</i> complex				•				
<i>Trichophyton rubrum</i> complex				•				
<i>Trichophyton tonsurans/equinum</i>				•				
<i>Trichophyton violaceum</i>				•				
Varicella zoster virus	•							

*For research use only.



Sexually Transmitted Infections

	Multiplex					
	Urethritis basic	Urethritis plus	STD9	Genital ulcer	Gonorrhoea confirmation	Herpes simplex virus
<i>Chlamydia trachomatis</i>	•	•	•			
<i>Gardnerella vaginalis</i>			•			
Herpes simplex virus 1			•	•		•
Herpes simplex virus 2			•	•		•
<i>Mycoplasma genitalium</i>	•	•	•			
<i>Mycoplasma hominis</i>		•				
<i>Neisseria gonorrhoeae</i>	•	•	•			
<i>Neisseria gonorrhoeae</i> (2 targets)					•	
<i>Treponema pallidum</i>				•		
<i>Trichomonas vaginalis</i>		•	•			
<i>Ureaplasma parvum</i>		•	•			
<i>Ureaplasma urealyticum</i>		•	•			



Eye Infections

	Multiplex
	Eye
<i>Chlamydia trachomatis</i>	●
Herpes simplex virus 1	●
Herpes simplex virus 2	●
Human adenovirus	●
Varicella zoster virus	●

Broad menu of real-time PCR multiplexing kits available for the accurate detection and rapid diagnosis of infectious diseases



Hepatitis

	Singleplex			
	Hepatitis B DNA (RUO)*	Hepatitis C Genotyping†	Hepatitis C RNA (RUO)*	Hepatitis E RNA
Hepatitis B virus	●			
Hepatitis C virus		●	●	
Hepatitis E virus				●

*For research use only.
†LiPA HCV assay is FDA-approved in the U.S. and CE-marked in the EU for IVD use.



Infections of the Immunosuppressed

	Multiplex	Singleplex		CMV
	ACE	BKV	Epstein-Barr virus	
BK virus		●		
Epstein-Barr virus	●		●	
Human adenovirus	●			
Human cytomegalovirus	●			●



Meningitis

	Multiplex			
	Bacterial meningitis	Neuro 9	Neonatal meningitis	Viral meningitis
Enterovirus		●		●
Epstein-Barr virus		●		
<i>Escherichia coli</i>			●	
<i>Haemophilus influenzae</i>	●			
Herpes simplex virus 1		●		●
Herpes simplex virus 2		●		●
Human adenovirus		●		
Human cytomegalovirus		●		
Human herpesvirus 6		●		
Human herpesvirus 7		●		
Human parechovirus		●		●
Human parvovirus B19		●		
<i>Listeria monocytogenes</i>			●	
Mumps virus				●
<i>Neisseria meningitidis</i>	●			
<i>Streptococcus</i> Group B			●	
<i>Streptococcus pneumoniae</i>	●			
Varicella zoster virus		●		●



Tropical Fever

	Multiplex							Singleplex		
	Tropical fever core	Dengue/Chik	Zika/Dengue/Chik	Dengue differentiation	Malaria differentiation	Tropical fever Africa	Tropical fever Asia	Enteric fever (RUO)*	Malaria	Zika virus
<i>Brucella</i> spp.						●				
<i>Burkholderia</i> spp.							●			
Chikungunya virus	●	●	●							
<i>Coxiella burnetii</i>						●				
Dengue virus	●	●	●							
Dengue virus 1				●						
Dengue virus 2				●						
Dengue virus 3				●						
Dengue virus 4				●						
Hantaan virus							●			
Japanese encephalitis virus							●			
<i>Leishmania</i> spp.							●			
<i>Leptospira</i> spp.	●									
<i>Plasmodium</i> spp.	●								●	
<i>Plasmodium falciparum</i>					●					
<i>Plasmodium malariae</i>					●					
<i>Plasmodium ovale</i>					●					
<i>Plasmodium vivax</i>					●					
<i>Rickettsia</i> spp.	●									
<i>Salmonella</i> spp.	●							●		
<i>Salmonella enterica</i> serovar Paratyphi A								●		
<i>Salmonella enterica</i> serovar Typhi								●		
<i>Streptococcus pneumoniae</i>						●				
West Nile virus	●									
Yellow fever virus						●				
Zika virus			●							●

*For research use only.

Syndromic grouped real-time PCR multiplex kits

Syndromic grouped real-time PCR multiplex kits satisfy an important clinical need for the lab, clinicians, and patients. The clinician can provide a single sample and order a single test. In turn, the lab can accurately and rapidly test for the pathogenic cause—viruses, bacteria, fungi or parasites—and provide a timely diagnosis, allowing the clinician to prescribe the most appropriate and effective treatment. Syndromic testing helps improve patient outcomes and is cost-effective and highly efficient.

From singleplex to multiplex syndromic PCR tests, Siemens Healthineers has a solution for your molecular laboratory.