

At Siemens Healthineers, our purpose is to enable healthcare providers to increase value by empowering them on their journey towards expanding precision medicine, transforming care delivery, and improving patient experience, all enabled 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 170 years of experience and 18,000 patents globally. With more than 48,000 dedicated colleagues in 75 countries, we will continue to innovate and shape the future of healthcare.

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 like respiratory infections, gastroenteritis, hepatitis, infections of the immunosuppressed, sexually transmitted infections, fevers and rash, meningitis, eye infections, and tropical fever.



Fast Track Diagnostics assays are CE-marked for IVD use in the EU. For research use only (RUO) in the U.S. For Fast Track Diagnostics assays, please see the compatibility list to learn more about our compatible methods.

Siemens IVD assays are compatible with the VERSANT kPCR Molecular System only and are CE-marked for IVD use in the EU. VERSANT is a registered trademark of Siemens Healthcare Diagnostics Inc.

kPCR PLX assays are manufactured by Altona Diagnostics and distributed by Siemens Healthcare Diagnostics Inc. CE-marked for IVD use in the EU.

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



Infectious
Disease
Testing

More Targets, Better Results

Syndromic Real-time PCR Multiplexing Assays

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Expand—and consolidate— your syndromic testing.

Challenge: Consolidating viral, bacterial, fungal, and parasite testing

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 2016, infectious diseases account 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 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 high-quality nucleic acids from 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 the major disease groups such as respiratory infections, gastroenteritis, sexually transmitted infections, childhood infections, meningitis, eye infections, immunosuppression, hepatitis, and tropical fever.

Syndromic Testing

- Real-time PCR multiplex testing for infectious disease detection based on the syndromic approach
- Comprehensive diagnostic approach to a clinical syndrome
- Faster, better informed decisions while realizing time and cost efficiencies for clinicians

Lower Costs and Greater Efficiency

- Syndromically grouped real-time PCR multiplex kits
- Time, resources, reagents, and budget savings³
- Single sample and test covers probable pathogenic causes—virus, bacteria, fungi or parasite—at the same time, in one run

Better Outcomes

- Clinically-relevant testing for viral, bacterial, and other types of infections
- Improved patient outcomes with a faster clinical diagnosis³
- Covers major disease groups: respiratory infections, gastroenteritis, sexually transmitted infections, fevers and rash, meningitis, eye infections, immunosuppression, hepatitis, and tropical fever

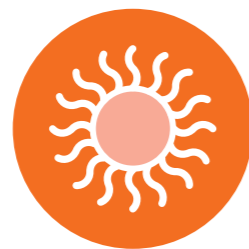
One-step syndromic real-time PCR multiplexing kits for the simultaneous detection of viruses, bacteria, fungi, or parasites.



Respiratory Infections



Gastroenteritis



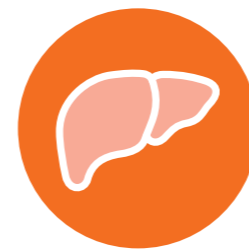
Sexually Transmitted Infections



Fever, Rash, Childhood Infections



Eye Infections



Hepatitis



Infections of the Immunosuppressed



Meningitis



Tropical Fever

1. World Health Organization (WHO), 2018
 2. National Institutes of Health (NIH), 2018
 3. Data on file.



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*



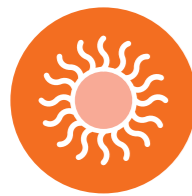
Gastroenteritis

	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 sepsis	Neonatal meningitis	Enteric fever	Mumps	Measles
<i>Chlamydia trachomatis</i>					•				
Enterovirus		•	•						
<i>Escherichia coli</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>					•	•			
Measles virus		•							•
<i>Microsporum audouinii/canis/ferrugineum</i>				•					
Mumps virus								•	
<i>Salmonella</i> spp.							•		
<i>Salmonella enterica</i> serovar Paratyphi A							•		
<i>Salmonella enterica</i> serovar Typhi							•		
<i>Staphylococcus aureus</i>					•				
<i>Streptococcus</i> Group B					•	•			
<i>Trichophyton mentagrophytes</i> complex				•					
<i>Trichophyton rubrum</i> complex				•					
<i>Trichophyton tonsurans/equinum</i>				•					
<i>Trichophyton violaceum</i>				•					
<i>Ureaplasma urealyticum/parvum</i>					•				
Varicella zoster virus	•								



Sexually Transmitted Infections

	Multiplex									Singleplex
	Urethritis basic	Urethritis plus	HPV High Risk	CT/GC	STD9	Genital ulcer	Vaginal swab	Gonorrhoea confirmation	Herpes simplex virus	HIV-1
<i>Chlamydia trachomatis</i>	•	•		•	•		•			
<i>Gardnerella vaginalis</i>					•					
Herpes simplex virus 1					•	•	•		•	
Herpes simplex virus 2					•	•	•		•	
Human Immunodeficiency Virus 1										•
Human papillomavirus 16			•							
Human papillomavirus 18			•							
Human papillomaviruses 31/33/35/39/45/51/52/56/58/59/66/68			•							
<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	•	



Hepatitis

	Singleplex			
	Hepatitis B DNA	Hepatitis C Genotyping†	Hepatitis C RNA	Hepatitis E RNA
Hepatitis B virus	•			
Hepatitis C virus		•	•	
Hepatitis E virus				•

†LIPA HCV assay FDA-approved in the U.S.

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



Infections of the Immunosuppressed

	Multiplex			Singleplex						
	ACE	HHV-6	HSV 1-2	Adenovirus	BKV	Cytomegalovirus	Epstein-Barr virus	JCV	Parvovirus B19	Varicella zoster virus
Epstein-Barr virus	•						•			
BK polyomavirus					•					
Herpes simplex virus 1			•							
Herpes simplex virus 2			•							
Human adenovirus	•			•						
Human cytomegalovirus	•					•				
Human Herpes virus 6A		•								
Human Herpes virus 6B		•								
JC polyomavirus								•		
Parvovirus B19									•	
Varicella zoster virus										•



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	Malaria	Zika virus	Ebola	RVFV (RUO)	CCHFV	West Nile Virus
<i>Brucella</i> spp.						•								
<i>Burkholderia</i> spp.							•							
Chikungunya virus	•	•	•											
<i>Coxiella burnetii</i>						•								
Crimean-Congo hemorrhagic fever virus												•		
Dengue virus	•	•	•											
Dengue virus 1				•										
Dengue virus 2				•										
Dengue virus 3				•										
Dengue virus 4				•										
Ebola virus										•				
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.	•													
Rift Valley fever virus											•			
<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			•							•				

Syndromically Grouped Real-time PCR Multiplex Kits

Syndromically grouped real-time PCR multiplex kits serve an important clinical need. With these multiplex kits, the physician can order a test from the lab covering probable pathogenic causes—virus, bacteria, fungi or parasite—at the same time, in one run. This can save time, resources, reagents, and money while providing a fast clinical diagnosis.

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