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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, infections of the immunosuppressed, and tropical fever.



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 Healthcare Diagnostics 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 savings
- 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

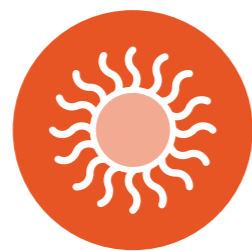
One-step syndromic real-time PCR multiplexing kits for the simultaneous detection of viruses, bacteria, fungi, or parasites.



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	HCoV	HAdV/HMPV/HBoV	SPn/Staph/MC/Hi	HPIV	Bordetella	MERS-CoV	Pneumocystis jirovecii	Legionella
<i>Bordetella</i> spp.				•															
<i>Bordetella pertussis</i>																•			
<i>Bordetella parapertussis</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>			•	•				•						•					



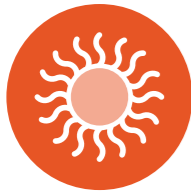
Gastroenteritis

	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>		•				
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>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>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			•							
HR human papillomavirus			•							
<i>Mycoplasma genitalium</i>	•	•			•		•			
<i>Mycoplasma hominis</i>		•								
<i>Neisseria gonorrhoeae</i>	•	•		•	•		•			
<i>Neisseria gonorrhoeae</i> (Opa)/(Pilin)								•		
<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 RNA	Hepatitis E RNA
Hepatitis B virus	•		
Hepatitis C virus		•	
Hepatitis E virus			•



Infections of the Immunosuppressed

	Multiplex				Singleplex						
	ACE	BCE	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											•

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



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	CCHFV	West Nile Virus
<i>Brucella</i>						•								
<i>Burkholderia</i>							•							
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>														
<i>Leptospira</i>	•													
<i>Plasmodium</i> spp.	•									•				
<i>Plasmodium falciparum</i>					•									
<i>Plasmodium malariae</i>					•									
<i>Plasmodium ovale</i>					•									
<i>Plasmodium vivax</i>					•									
<i>Rickettsia</i>	•													
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														•

Catalog Number	Product	Quantity (Tests/Reactions)
10921700	FTD ACE 32	32
10921701	FTD ACE 64	64
10921790	FTD Atypical CAP 32	32
10921791	FTD Atypical CAP 64	64
10921726	FTD Bacterial gastroenteritis 32	32
10921727	FTD Bacterial gastroenteritis 64	64
10921748	FTD Bacterial meningitis 32	32
10921749	FTD Bacterial meningitis 64	64
10921750	FTD Bacterial pneumonia_CAP 32	32
10921751	FTD Bacterial pneumonia_CAP 64	64
10921752	FTD Bacterial pneumonia_HAP 32	32
10921753	FTD Bacterial pneumonia_HAP 64	64
10921792	FTD BCE 32	32
10921793	FTD BCE 64	64
10921794	FTD BKV 32	32
10921795	FTD BKV 64	64
10921754	FTD Bordetella 32	32
10921755	FTD Bordetella 64	64
10921742	FTD C.difficile 32	32
10921743	FTD C.difficile 64	64
11306494	FTD CCHFV 32	32
11306495	FTD CCHFV 64	64
10921716	FTD Cytomegalovirus 32	32
10921717	FTD Cytomegalovirus 64	64
10921778	FTD Dengue differentiation 32	32
10921779	FTD Dengue differentiation 64	64
10921776	FTD Dengue/Chik 32	32
10921777	FTD Dengue/Chik 64	64
10921718	FTD Dermatophytes 32	32
10921719	FTD Dermatophytes 64	64
10921798	FTD Internal control EAV 32	32
10921799	FTD Internal control EAV 64	64
10921811	FTD Ebola 32	32
10921812	FTD Ebola 64	64
10921815	FTD Endogenous control 32	32
10921816	FTD Endogenous control 64	64
10921740	FTD EPA 32	32
10921741	FTD EPA 64	64
10921728	FTD Eye 32	32
10921729	FTD Eye 64	64
10921720	FTD Fever and rash 32	32
10921721	FTD Fever and rash 64	64
10921738	FTD FLU 32	32
10921739	FTD FLU 64	64
10921802	FTD Flu differentiation 32	32
10921803	FTD Flu differentiation 64	64
10921784	FTD FLU/HRSV 32	32
10921785	FTD FLU/HRSV 64	64
10921734	FTD Genital ulcer 32	32
10921735	FTD Genital ulcer 64	64
10921732	FTD <i>Gonorrhoeae</i> confirmation 32	32
10921733	FTD <i>Gonorrhoea</i> confirmation 64	64

Catalog Number	Product	Quantity (Tests/Reactions)
10921804	FTD HAdV/HMPV/HBoV 32	32
10921805	FTD HAdV/HMPV/HBoV 64	64
10921796	FTD HCoV 32	32
10921797	FTD HCoV 64	64
10921710	FTD Hepatitis B DNA 32	32
10921711	FTD Hepatitis B DNA 64	64
10921712	FTD Hepatitis C RNA 32	32
10921713	FTD Hepatitis C RNA 64	64
10734529	FTD Hepatitis E RNA 32	32
10734530	FTD Hepatitis E RNA 64	64
11306496	FTD Herpes simplex virus 32	32
11306497	FTD Herpes simplex virus 64	64
10921806	FTD HPIV 32	32
10921807	FTD HPIV 64	64
10921817	FTD LightCycler® 480 colour compensation	–
11306500	FTD Legionella 32	32
11306501	FTD Legionella 64	64
New	FTlyo Bacterial gastroenteritis 32	32
New	FTlyo Bacterial gastroenteritis 64	64
New	FTlyo Bacterial meningitis 32	32
New	FTlyo Bacterial meningitis 64	64
New	FTlyo Enteric fever 32	32
New	FTlyo Enteric fever 64	64
New	FTlyo EPA 32	32
New	FTlyo EPA 64	64
New	FTlyo Fever and rash	32
New	FTlyo FLU 32	32
New	FTlyo FLU 64	64
New	FTlyo FLU/HRSV 32	32
New	FTlyo FLU/HRSV 64	64
New	FTlyo HCoV 32	32
New	FTlyo HCoV 64	64
New	FTlyo HPIV 32	32
New	FTlyo HPIV 64	64
New	FTlyo MERS-CoV 32	32
New	FTlyo MERS-CoV 64	64
New	FTlyo Noro 32	32
New	FTlyo Noro 64	64
New	FTlyo Respiratory pathogens 16 32	32
New	FTlyo Respiratory pathogens 16 64	64
New	FTlyo Respiratory pathogens 21 PLUS 32	32
New	FTlyo Respiratory pathogens 21 PLUS 64	64
New	FTlyo Respiratory pathogens 21 32	32
New	FTlyo Respiratory pathogens 21 64	64
New	FTlyo Respiratory pathogens 33 32	32
New	FTlyo Respiratory pathogens 33 64	64
New	FTlyo Vesicular rash 32	32
New	FTlyo Vesicular rash 64	64
New	FTlyo Viral gastroenteritis 32	32
New	FTlyo Viral gastroenteritis 64	64
New	FTlyo Viral meningitis 32	32
New	FTlyo Viral meningitis 64	64

Catalog Number	Product	Quantity (Tests/Reactions)
New	FTlyo Urethritis basic 32	32
New	FTlyo Urethritis basic 64	64
New	FTlyo Urethritis plus 32	32
New	FTlyo Urethritis plus 64	64
New	FTD HPV High Risk 32	32
New	FTD HPV High Risk 64	64
10921768	FTD Malaria 32	32
10921769	FTD Malaria 64	64
10921770	FTD Malaria differentiation 32	32
10921771	FTD Malaria differentiation 64	64
10921810	FTD mastermix 100 reactions	100 reactions
10921782	FTD Measles 32	32
10921783	FTD Measles 64	64
10921786	FTD MERS-CoV 32	32
10921787	FTD MERS-CoV 64	64
10921730	FTD Mumps 32	32
10921731	FTD Mumps 64	64
10921760	FTD Neonatal meningitis 32	32
10921761	FTD Neonatal meningitis 64	64
10921756	FTD Neonatal sepsis 32	32
10921757	FTD Neonatal sepsis 64	64
10921800	FTD Neuro 9 32	32
10921801	FTD Neuro 9 64	64
10921780	FTD Noro 32	32
10921781	FTD Noro 64	64
10921746	FTD Pneumocystis jirovecii 32	32
10921747	FTD Pneumocystis jirovecii 64	64
10921702	FTD Respiratory pathogens 21 32	32
10921703	FTD Respiratory pathogens 21 64	64
10921704	FTD Respiratory pathogens 21 PLUS 32	32
10921705	FTD Respiratory pathogens 21 PLUS 64	64
10921706	FTD Respiratory pathogens 33 32	32
10921707	FTD Respiratory pathogens 33 64	64
10734551	FTD RVFV 32	32
10734552	FTD RVFV 64	64
10921808	FTD SPn/Staph/MC/Hi 32	32
10921809	FTD SPn/Staph/MC/Hi 64	64
10921788	FTD STD9 32	32
10921789	FTD STD9 64	64
10921736	FTD Stool parasites 32	32
10921737	FTD Stool parasites 64	64
10921764	FTD Tropical fever Africa 32	32
10921765	FTD Tropical fever Africa 64	64
10921766	FTD Tropical fever Asia 32	32
10921767	FTD Tropical fever Asia 64	64
10921762	FTD Tropical fever core 32	32
10921763	FTD Tropical fever core 64	64
10921758	FTD Urethritis basic 32	32
10921759	FTD Urethritis basic 64	64
10921774	FTD Urethritis plus 32	32
10921775	FTD Urethritis plus 64	64
10921722	FTD Vaginal swab 32	32

Catalog Number	Product	Quantity (Tests/Reactions)
10921723	FTD Vaginal swab 64	64
10921714	FTD Vesicular rash 32	32
10921715	FTD Vesicular rash 64	64
10921708	FTD Viral gastroenteritis 32	32
10921709	FTD Viral gastroenteritis 64	64
10921724	FTD Viral meningitis 32	32
10921725	FTD Viral meningitis 64	64
11306502	FTD West Nile virus 32	32
11306503	FTD West Nile virus 64	64
10734553	FTD Zika / Dengue / Chik 32	32
10734554	FTD Zika / Dengue / Chik 64	64
11306498	FTD Zika virus 32	32
11306499	FTD Zika virus 64	64
10286026	VERSANT® SP 1.0 Reagents Kit, IVDD Box 1	96
10286027	VERSANT SP 1.0 Reagents Kit, IVDD Box 2	96
10629800	VERSANT SP 1.2 Reagents Kit, IVDD Box 1	96
10629801	VERSANT SP 1.2 Reagents Kit, IVDD Box 2	96
10729727	VERSANT HIV-1 RNA 1.5 (kPCR) Kit, IVDD Box 1	96
10729728	VERSANT HIV-1 RNA 1.5 (kPCR) Kit, IVDD Box 2	96
10469013	VERSANT HCV RNA 1.0 (kPCR) Kit, IVDD Box 1	96
10469014	VERSANT HCV RNA 1.0 (kPCR) Kit, IVDD Box 2	96
10282480	VERSANT HBV DNA 1.0 (kPCR) Kit, IVDD Box 1	48
10282481	VERSANT HBV DNA 1.0 (kPCR) Kit, IVDD Box 2	48
10470126	VERSANT CT/GC DNA 1.0 (kPCR) Kit, IVDD	96
10718581	kPCR PLX EBV Virus DNA Assay	72
10718585	kPCR PLX BK Virus (BKV) DNA Assay	72
10718586	kPCR PLX JC Virus (JCV) DNA Assay	72
10718583	kPCR PLX VZV DNA Assay	72
10718582	kPCR PLX HSV 1 and 2 (HSV) DNA Assay	72
10718584	kPCR PLX HHV-6 DNA Assay	72
10718587	kPCR PLX Adenovirus DNA Assay	72
10718598	kPCR PLX Parvovirus B19 DNA Assay	72
10718580	kPCR PLX CMV DNA Assay	72

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.