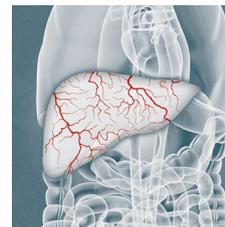
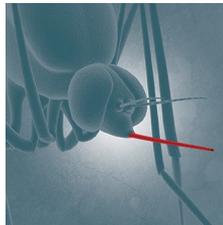
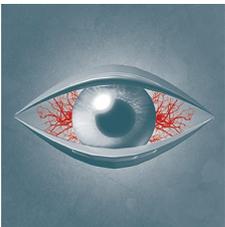


Fast Track Diagnostics

Molecular Diagnostics solutions



Fast Track 
DIAGNOSTICS
A Siemens Healthineers Company

FAST TRACK DIAGN



Quality assured

High sensitivity, high specificity confirmed by extensive clinical performance evaluations. **98%*** samples correctly detected in QCMD panels since 2012.

**Last update: May 2018*



Lyophilised technology

All the reagents required included in a single patient sample tube, you **just need to add nucleic acid extract!**



+ 140 targets

The most extensive range of high quality multiplex kits available in the market, FTD offers over **80** kits detecting simultaneously more than **140** viruses, bacteria, fungi and parasites.



Compatibility

More than **35** real-time cyclers, extraction methods and sample-to-results platforms are validated with FTD kits.



Flexibility

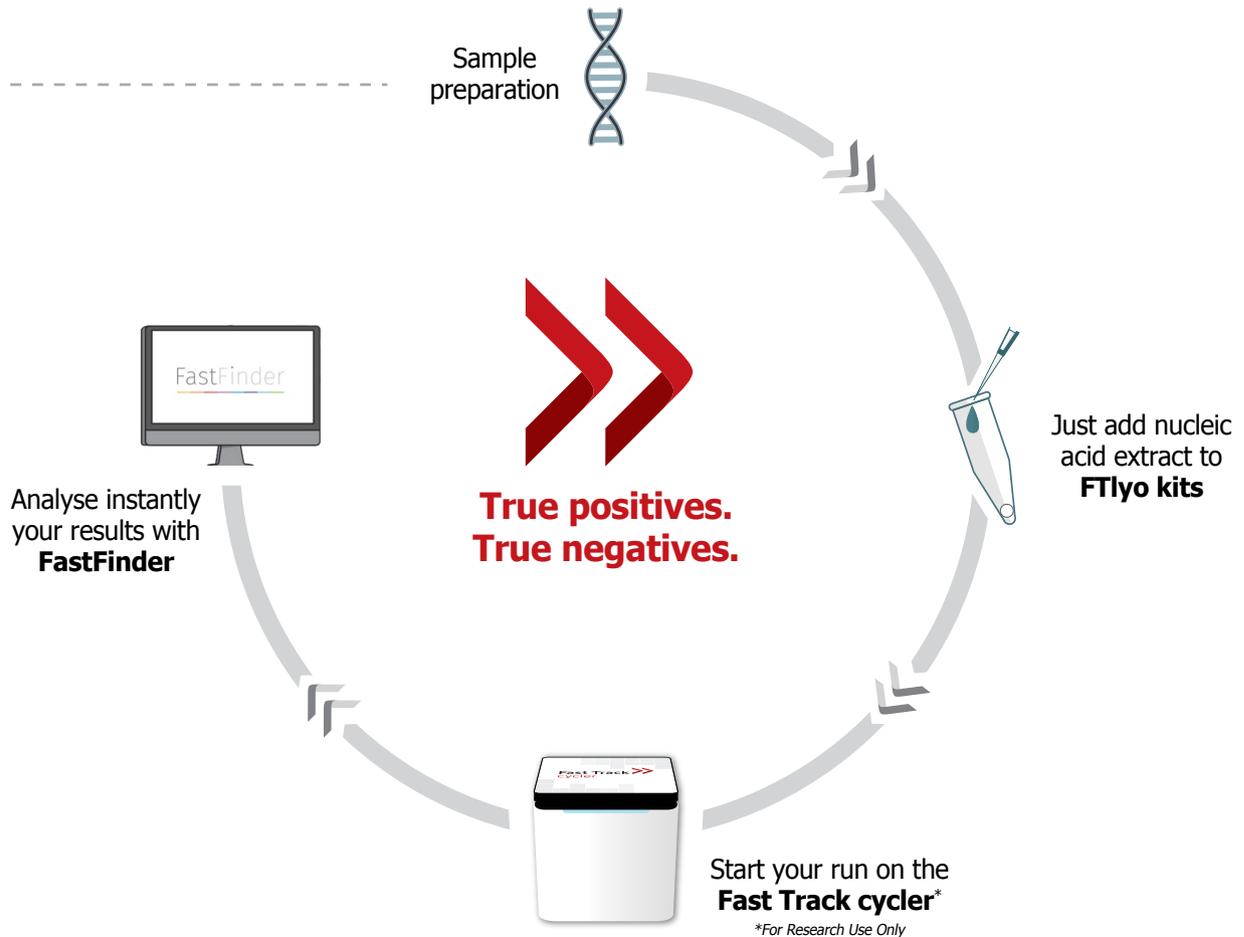
Available in **32** or **64** reactions to fit all workflows, all FTD kits have the **same pipetting and PCR protocol** and can be performed on the same run.



Expert support

Scientist-to-scientist technical support, we offer technical help and advice for all FTD users.

OSTICS SOLUTIONS



- » **Extraction:** all FTD kits are compatible with more than 18 extraction methods to fit all type of laboratories and workflows.
- » **PCR setup:** because all reagents required - primer and probe mix, enzyme and buffer - are lyophilised, the PCR plate setup is 66% faster compared to liquid format assays. You just need to add nucleic acid extract to the Fast Track lyophilised tubes.
- » **PCR run:** start your run on the Fast Track cyclyer to get reliable and robust results thanks to the magnetic induction technology that allows uniform heating.
- » **Results analysis:** analyse instantly your results with FastFinder, the automated and fast interpretation platform.



GASTROENTERITIS

An estimated 1.7 billion cases of diarrhea occur yearly, which may result in hospitalisation and death. The main symptom of acute gastroenteritis is diarrhea potentially accompanied by vomiting, fever and nausea. Among the causative agents are rotavirus, human adenovirus, norovirus, food-borne bacteria like *Salmonella* or *Campylobacter* and parasites like *Entamoeba*⁽¹⁾.

FTD offers 6 kits detecting the most clinically relevant gastroenteritis pathogens.

References:

⁽¹⁾ www.who.int (accessed: May 2018)

	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>		>				

DID YOU KNOW?

All product manuals and validation files are available on FTD website

SEXUALLY TRANSMITTED INFECTIONS

Worldwide, more than 1 million sexually transmitted infections (STIs) are acquired every day⁽¹⁾. Besides the personal symptoms, infections can lead to an increased risk of HIV infection, miscarriage or infertility. Transmission mostly occurs through sexual contact, but can also occur through blood or from mother to child during pregnancy and birth⁽²⁾.

FTD offers 8 kits detecting the most clinically relevant sexually transmitted pathogens.

References:

⁽¹⁾ www.who.int (accessed: May 2018)

⁽²⁾ www.cdc.gov (accessed: May 2018)

	HPV High Risk	Urethritis basic	Urethritis plus	STD9	Genital ulcer	Vaginal swab	Gonorrhoea confirmation	Herpes simplex virus
<i>Chlamydia trachomatis</i>		>	>	>		>		
<i>Gardnerella vaginalis</i>				>				
herpes simplex virus 1				>	>	>		>
herpes simplex virus 2				>	>	>		>
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>			>	>				

DID YOU KNOW?

Discover the comprehensive Fast Track lyophilised portfolio on FTD website



MENINGITIS

Bacterial meningitis has a rapid onset and is generally very serious, often with long term neurological effects. It can be treated with appropriate antibiotics that may also prevent spreading⁽¹⁾. Viral meningitis is much more common and is less severe, usually recovering spontaneously⁽²⁾. Diagnosing the correct pathogen might be lifesaving. FTD offers 4 kits detecting the most clinically relevant pathogens causing meningitis.

References:

⁽¹⁾ www.cdc.gov (accessed: May 2018)

⁽²⁾ Polage, C. R. et al. (2016) *Journal of Clinical Microbiology*, 54(5), pp. 1197-1202

	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		>		>



EYE INFECTIONS

Eye infections are usually caused by bacteria or viruses. Viral conjunctivitis is highly contagious and can accompany common viral upper respiratory infections⁽¹⁾. Trachoma, a chlamydial infection, is more common in poorer countries. It causes scarring of the eye and is the world's leading cause of preventable blindness⁽²⁾. FTD offers the FTD Eye kit detecting 5 of the most clinically relevant eye pathogens.

References:

⁽¹⁾ www.cdc.gov (accessed: May 2018)

⁽²⁾ www.who.int (accessed: May 2018)

	Eye
<i>Chlamydia trachomatis</i>	>
herpes simplex virus 1	>
herpes simplex virus 2	>
human adenovirus	>
varicella zoster virus	>



INFECTIONS OF THE IMMUNOSUPPRESSED

Opportunistic infections contribute significantly to morbidity and mortality in immunocompromised hosts⁽¹⁾. Infections that are usually asymptomatic or mild in individuals with a normal immune response can cause severe illness in people with immunosuppression such as HIV-infected individuals, organ transplant recipients or cancer patients⁽²⁾. FTD offers 6 kits detecting and quantifying pathogens in the immunosuppressed.

References:

- ⁽¹⁾ Meidani, M. et al. (2014) *Journal of Research in Medical Sciences*, 19(Suppl 1), S71-S73
⁽²⁾ Ivanova, L. et al. (2015) *Immunopathology and Immunomodulation*, Krassimir Metodiev (Ed.), InTech

	Multiplex		Singleplex		
	ACE	BCE	Cytomegalovirus	BKV	Epstein-Barr virus
Epstein-Barr virus	>	>			>
human adenovirus	>				
human cytomegalovirus	>	>	>		
human polyomavirus 1		>		>	



HEPATITIS

Hepatitis is a potentially life-threatening viral disease. Because the infection is often asymptomatic and left untreated, chronic hepatitis can lead to cirrhosis and primary liver cancer⁽¹⁾. Early diagnosis can prevent health problems that may result from infection and prevent transmission of the virus. Quantification of the nucleic acid (and hence the virus) allows an estimation of infectivity and the likelihood of progression to severe chronic disease and helps to monitor the success of treatment⁽²⁾.

FTD offers 3 kits detecting and quantifying hepatitis virus B, C and E.

References:

- ⁽¹⁾ www.who.int (accessed: May 2018)
⁽²⁾ Terrault, N. A. et al. (2016) *Hepatology*, 63(1), pp. 261-283

	Hepatitis B DNA*	Hepatitis C RNA*	Hepatitis E RNA
hepatitis B virus	>		
hepatitis C virus		>	
hepatitis E virus			>

*For Research Use Only

TROPICAL FEVER

Tropical fever covers diseases that are prevalent in or unique to tropical and subtropical regions. They are often transmitted by direct contact with infected animals or by the “bite” of insects such as mosquitoes and flies that carry a parasite, bacterium or virus⁽¹⁾. An early evaluation – also in febrile travelers or migrants coming from such regions – should enable quick management.

FTD offers 14 kits detecting the most clinically relevant pathogens causing tropical fevers.

References:

⁽¹⁾ www.who.int (accessed: May 2018)

	Multiplex			Singleplex										
	Tropical fever core	Dengue/Chik	Zika/Dengue/Chik	Enteric fever	Dengue differentiation	Malaria differentiation	Tropical fever Africa	Tropical fever Asia	Malaria	Zika virus	Ebola	RVFV	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			>						>					

DISTRIBUTORS NETWORK

FTD is backed by an extensive network of distributors, covering more than 40 territories. Please consult FTD website for contact details from the distributor in your country.





Made in Europe, distributed worldwide.

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FTD.MK1.EN.2018.3

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