

Multiplexing **Technology**

*Simultaneous single-tube detection of sexually,
respiratory and gastrointestinal transmitted infections.*



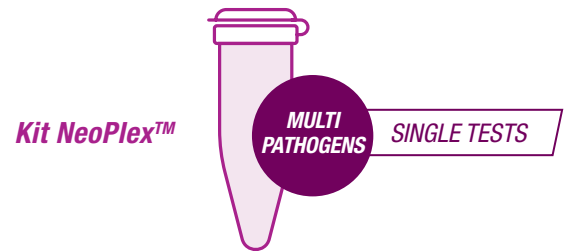
Molecular diagnostic kits based
on Real-time PCR technology.

Multiplexing Technology



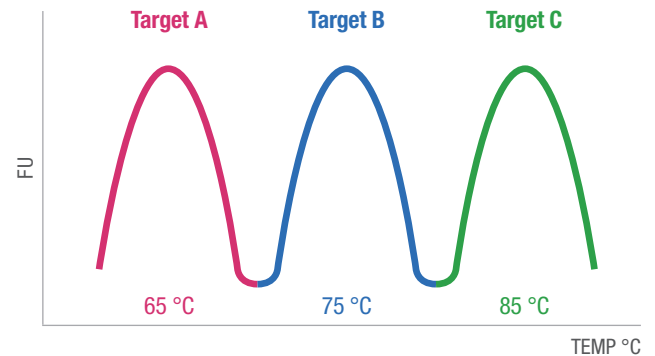
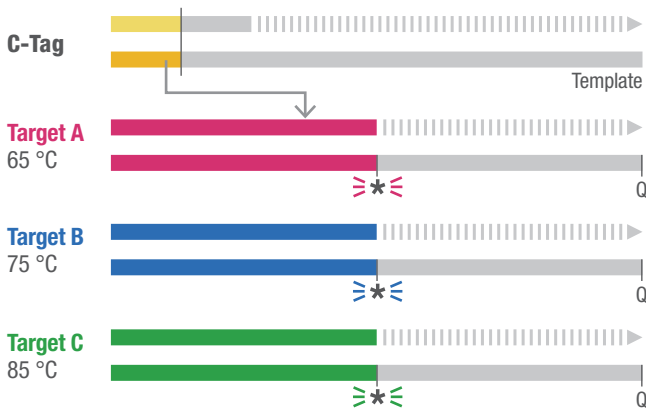
NeoPlex™ kits are based on **C-Tag™ Technology**, a patented* innovative system for the detection of multiple pathogens in a single tube reaction. Compared to traditional Real-time PCR systems, **NeoPlex™ kits** allow significant optimization of time and laboratory resources.

* Patent no. 10-2017-0049845 & PCT/KR2017/004297



C-Tag™ Technology

C-Tag™ Technology overcomes the limitations of conventional Real-time PCR systems allowing the detection of up to 4 targets per fluorescence channel. Therefore, this innovative system handles up to 20 different targets in a single tube reaction with 5 fluorescence channels.



INNOVATIVE SYSTEM WITH HIGHER POTENTIAL

Channels	Targets
2 CHANNELS	8 TARGETS
3 CHANNELS	12 TARGETS
5 CHANNELS	20 TARGETS

Key features

- **Single-Tube** Real time PCR kit
- User-friendly workflow
- **dUTP/UNG system** to prevent cross-contamination
- **Internal Control (IC)** to monitor the whole process
- **Automated software** for the analysis of the results and interpretation
- Compatible with the automated **Eu-King's STAR** platform
- Validated on CFX96™ PCR Real time Detection System (Bio-Rad)
- **CE-IVD**



SEXUALLY TRANSMITTED INFECTIONS

NEOPLEX™ STI-7 DETECTION KIT		CE 0123	IVD
PATHOGENS			
<i>Chlamydia trachomatis</i> (CT)	<i>Trichomonas vaginalis</i> (TV)		
<i>Mycoplasma genitalium</i> (MG)	<i>Ureaplasma parvum</i> (UP)		
<i>Mycoplasma hominis</i> (MH)	<i>Ureaplasma urealyticum</i> (UU)		
<i>Neisseria gonorrhoeae</i> (NG)			



NEOPLEX™ STI-7 PLUS DETECTION KIT		CE	IVD
PATHOGENS			
<i>Candida albicans</i> (CA)	Herpes simplex virus type 1 (HSV-1)		
<i>Gardnerella vaginalis</i> (GV)	Herpes simplex virus type 2 (HSV-2)		
Group B <i>Streptococcus</i> (GBS)	<i>Treponema pallidum</i> (TP)		
<i>Haemophilus ducreyi</i> (HD)			



NEOPLEX™ STI-14 DETECTION KIT		CE 0123	IVD
PATHOGENS			
<i>Candida albicans</i> (CA)	<i>Mycoplasma genitalium</i> (MG)		
<i>Chlamydia trachomatis</i> (CT)	<i>Mycoplasma hominis</i> (MH)		
<i>Gardnerella vaginalis</i> (GV)	<i>Neisseria gonorrhoeae</i> (NG)		
Group B <i>Streptococcus</i> (GBS)	<i>Treponema pallidum</i> (TP)		
<i>Haemophilus ducreyi</i> (HD)	<i>Trichomonas vaginalis</i> (TV)		
Herpes simplex virus type 1 (HSV-1)	<i>Ureaplasma parvum</i> (UP)		
Herpes simplex virus type 2 (HSV-2)	<i>Ureaplasma urealyticum</i> (UU)		



HUMAN PAPILLOMAVIRUS INFECTIONS

NEOPLEX™ HPV HR DETECTION KIT	
PATHOGENS	
High-risk HPV: 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66, 68	



NEOPLEX™ HPV 29 DETECTION KIT	
PATHOGENS	
High-risk HPV: 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66, 68	
Low- and medium-risk HPV: 6, 11, 26, 40, 42, 43, 44, 53, 54, 61, 67, 69, 70, 73, 82	



Ordering information

product	ref	format
NeoPlex™ STI-7	9410	96 tests
NeoPlex™ STI-7 Plus	9412	96 tests
NeoPlex™ STI-14	9411	96 tests
NeoPlex™ HPV HR	9423	96 tests
NeoPlex™ HPV 29	9424	96 tests

RESPIRATORY INFECTIONS

NEOPLEX™ RV-Flu/RSV DETECTION KIT CE IVD

PATHOGENS	
Influenza A virus (Flu A)	Influenza B virus (Flu B)
Influenza A H1N1 virus (Flu A-H1N1)	Respiratory Syncytial Virus A (RSV A)
Influenza A H3N2 virus (Flu A-H3N2)	Respiratory Syncytial Virus B (RSV B)
Influenza A H1N1pdm09 virus (Flu A-H1N1pdm09)	



NEOPLEX™ RV-Panel A DETECTION KIT CE IVD

PATHOGENS	
Adenovirus (AdV)	Parainfluenza virus 1 (PV1)
Influenza A H1N1 virus (Flu A-H1N1)	Parainfluenza virus 2 (PV2)
Influenza A H1N1pdm09 virus (Flu A-H1N1pdm09)	Parainfluenza virus 3 (PV3)
Influenza A H3N2 virus (Flu A-H3N2)	Respiratory Syncytial Virus A (RSV A)
Influenza B virus (Flu B)	Respiratory Syncytial Virus B (RSV B)



NEOPLEX™ RV-Panel B DETECTION KIT CE IVD

PATHOGENS	
Bocavirus (BoV)	Enterovirus (HEV)
Coronavirus 229E (229E)	Metapneumovirus (MPV)
Coronavirus NL63 (NL63)	Rhinovirus (HRV)
Coronavirus OC43 (OC43)	Parainfluenza virus 4 (PIV4)
Coronavirus HKU1 (HKU1)	



NEOPLEX™ RB-8 DETECTION KIT CE₀₁₂₃ IVD

PATHOGENS	
<i>Bordetella parapertussis</i> (BPP)	<i>Legionella pneumophila</i> (LP)
<i>Bordetella pertussis</i> (BP)	<i>Moraxella catarrhalis</i> (MC)
<i>Chlamydomphila pneumoniae</i> (CP)	<i>Mycoplasma pneumoniae</i> (MP)
<i>Haemophilus influenzae</i> (HI)	<i>Streptococcus pneumoniae</i> (SP)



NEOPLEX™ COVID-19 FAST CE IVD

PATHOGENS
SARS-CoV-2 (target genes: RdRP, N; endogenous internal control)

NEOPLEX™ FluCOVID DETECTION KIT CE IVD

PATHOGENS		
SARS-CoV-2	Influenza A virus (Flu A)	Influenza B virus (Flu B)

Ordering information

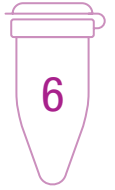
product	ref	format
NeoPlex™ RV-Flu/RSV	9413	96 tests
NeoPlex™ RV-Panel A	9415	96 tests
NeoPlex™ RV-Panel B	9417	96 tests
NeoPlex™ RB-8	9414	96 tests
NeoPlex™ COVID-19 FAST	9246F	96 tests
NeoPlex™ FluCOVID	9416	96 tests

GASTROINTESTINAL INFECTIONS

NEOPLEX™ GI-Virus 6 DETECTION KIT

CE IVD

PATHOGENS	
Adenovirus (AdV)	Norovirus GI (NoV GI)
Astrovirus (AsV)	Rotavirus (RoV)
Norovirus GI (NoV GI)	Sapovirus (SaV)



NEOPLEX™ GI-Bac 8 DETECTION KIT

PATHOGENS	
<i>Aeromonas spp.</i>	<i>Salmonella spp.</i>
<i>Campylobacter spp.</i>	<i>Shigella spp./Enteroinvasive Escherichia coli (EIEC)</i>
<i>Clostridium difficile</i> Toxin B	<i>Vibrio spp.</i>
<i>Clostridium perfringens</i>	<i>Yersinia enterocolitica</i>



NEOPLEX™ GI-Bac 5 DETECTION KIT

PATHOGENS	
<i>Enteroaggregative Escherichia coli (EAEC, aggR)</i>	<i>Escherichia coli</i> 0157:H7
<i>Enteropathogenic Escherichia coli (EPEC, eaeA)</i>	<i>Shiga toxin-producing Escherichia coli (STEC, stx1/stx2)</i>
<i>Enterotoxigenic Escherichia coli (ETEC, It/st)</i>	



Ordering information

product	ref	format
NeoPlex™ GI-Virus 6	9420	96 tests
NeoPlex™ GI-Bac 8		coming soon
NeoPlex™ GI-Bac 5		coming soon



More information at:
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