

SCMPlex™ STI Panel Comparison Chart

Targets	SCMPlex™ STI-7	SCMPlex™ STI-7 PLUS	SCMPlex™ STI-14
Chlamydia trachomatis (CT)	○		○
Neisseria gonorrhoeae (NG)	○		○
Trichomonas vaginalis (TV)	○		○
Mycoplasma hominis (MH)	○		○
Mycoplasma genitalium (MG)	○		○
Ureaplasma urealyticum (UU)	○		○
Ureaplasma parvum (UP)	○		○
Herpes simplex virus type 1 (HSV-1)		○	○
Herpes simplex virus type 2 (HSV-2)		○	○
Treponema pallidum (TP)		○	○
Gardnerella vaginalis (GV)		○	○
Candida albicans (CA)		○	○
Haemophilus ducreyi (HD)		○	○
Group B Streptococcus (GBS)		○	○

SCMPlex™ STI Order Information

Cat. No.	Product	Description	Size
SS01A	SCMPlex™ STI-14 Detection kit	Simultaneous detection of 14 STI Pathogens	96 Tests/Kit
SM3500	SCMPlex™ STI-7 Detection kit	Simultaneous detection of 7 major STI Pathogens	96 Tests/Kit
SM3600	SCMPlex™ STI-7 PLUS Detection kit	Simultaneous detection of 7 additional STI Pathogens	96 Tests/Kit

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KÜME EVLERİ BİL.TEK.UYG.ARŞ.MERKEZ
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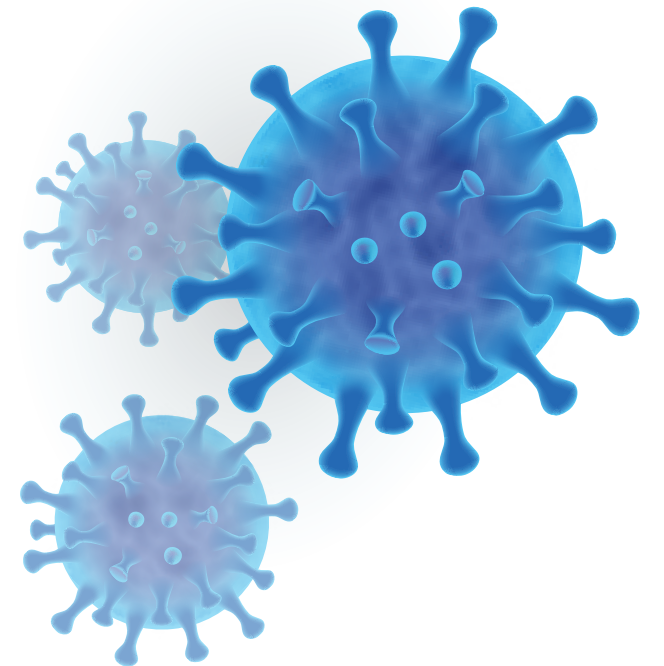
Easy and Fast



STI-14 Detection Kit

Simultaneous Detection of
14 STI-Causing Pathogens with
Multiplex Real-time PCR

STI-14





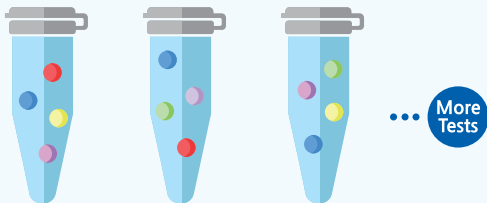
STI-14 Detection Kit

Sexually transmitted infections (STIs) are infections that cause more than 1 million new patients every day. The symptoms of many STIs may not be obvious initially, and this results in a greater risk of unintended transmissions. The undetected or mistreated STIs can progress to cause many symptoms including discharge from the penis, vagina or anus, genital ulcers, abdominal or pelvic pain, and even miscarriage or infertility. Therefore an early and accurate detection of STIs is essential to promote patient’s health and prevent morbidity.

SCMPlex™ STI-14 Detection Kit is the multiplex real-time PCR kit that can detect 14 STI-causing pathogens simultaneously with a single-tube PCR reaction. Based on proprietary C-Tag™ technology, SCMPlex™ STI-14 Detection Kit is able to report the result within 4 hours from DNA extraction to analysis for up to 96 samples with high clinical sensitivity and specificity.



SCMPlex™ STI-14



Conventional Product

SCMPlex offers less bench space, labor force, cost and TAT and ensures quality assurance with integrated results.

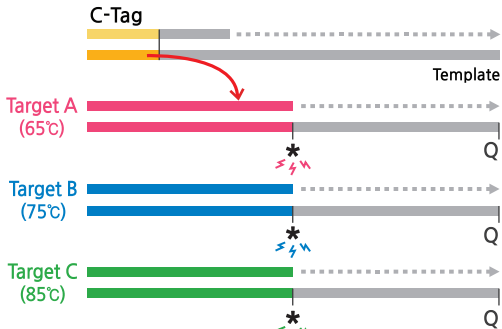
Key Features

- Single-tube Real-time PCR
- High inclusivity (including nvCT and NG porA mutant)
- Superior clinical performance
- Easy Procedures for user convenience
- Prevention of carry-over contamination with UDG system
- Whole Process control with internal control
- Fast turnaround time (TAT) of less than 4 hours
- User Friendliness with SCMPlex™ Viewer

Specimens

- Urine
- Vaginal swabs

C-Tag™ Technology



C-Tag™ Technology overcomes the limitations of conventional Real-time PCR by analyzing multiple pathogens simultaneously in a single-tube.

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

Target Pathogens

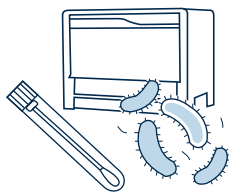
- *Chlamydia trachomatis* (CT)
 - *Neisseria gonorrhoeae* (NG)
 - *Trichomonas vaginalis* (TV)
 - *Mycoplasma hominis* (MH)
 - *Mycoplasma genitalium* (MG)
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 - *Gardnerella vaginalis* (GV)
 - Group B *Streptococcus* (GBS)

Compatible Instruments

- CFX96™ Real-time PCR System (Bio-Rad)

Simple and Fast Workflow

Automated Extraction / 1 hr **1**



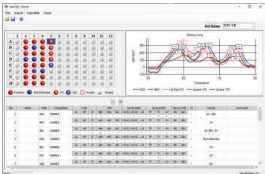
Manual or Automatic Extraction

Real-time PCR / 2 hr 30 min **2**



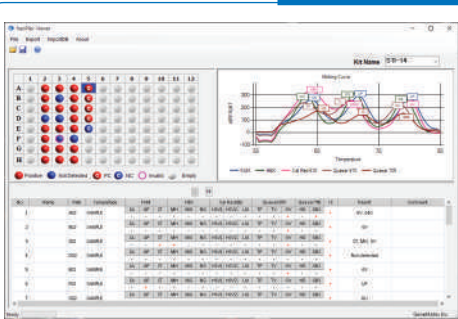
CFX96™ Real-time PCR

Data Analysis / 5 min **3**



SCMPlex™ Viewer

Easy Result Analysis

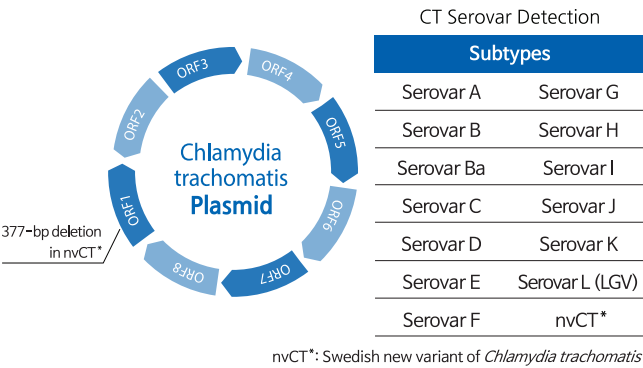


SCMPlex™ Viewer is an automatic analysis software for NeoPlex™ Real-time PCR assays.

SCMPlex™ Viewer can:

- ✓ Analyze results from the melting curve
- ✓ Export analysis results in an Excel form
- ✓ Provide more convenient data sorting in the software result table

High Inclusivity



- nvCT, one of *Chlamydia trachomatis* strains, has 377-bp deletion in the cryptic plasmid, causing false negatives in some NAATs.
- SCMPlex™ STI-14 can detect *Chlamydia trachomatis* serovars including nvCT.
- SCMPlex™ STI-14 can detect *Neisseria gonorrhoeae* strains including porA mutant strains.
- All targets are confirmed with Quality Control for Molecular Diagnostics (QCMD) panels.

Superior Clinical Performance

Swab	CT	NG	Others
LoD (copies/rxn)	36.5	36.5	< 10 – 50
Sensitivity	99.2%	100%	98.6% – 100%
Specificity	100%	100%	100%

Urine	CT	NG	Others
LoD (copies/rxn)	26.5	36.5	< 10 – 50
Sensitivity	99.2%	99.4%	97.8% – 100%
Specificity	100%	100%	100%