

C-Tag™ Technology /// Fast and Accurate Results
Multiplex Structure /// Semi-Quantitative Detection
High Sensitivity and Specificity /// Early Diagnosis
Automatic and Easy Analysis with SCM-PLEX™ Viewer
Multiplex Structure /// Semi-Quantitative Detection
Automatic and Easy Analysis with SCM-PLEX™ Viewer
SCM-PLEX™ C-Tag™ Technology / Early Diagnosis
C-Tag™ Technology /// Fast and Accurate Results
Multiplex Structure /// Semi-Quantitative Detection
High Sensitivity and Specificity /// Early Diagnosis



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SCM PlexTM STI-14 Detection Kit

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

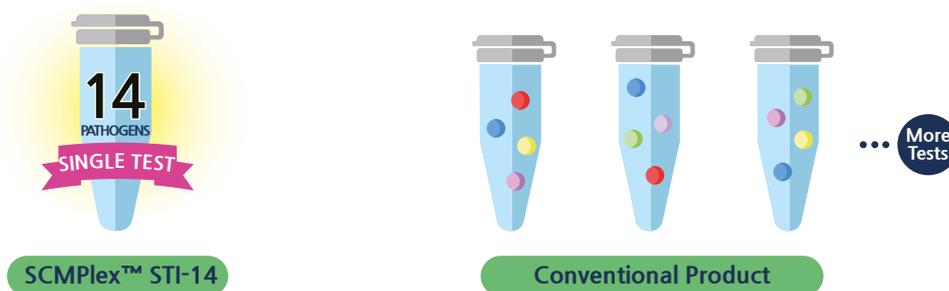
A large, dark blue, stylized graphic of a DNA double helix, composed of thick, rounded lines that form a zig-zag pattern, positioned on the left side of the page.

Easy and Fast

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 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

Target Pathogens

- *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)
- *Haemophilus ducreyi* (HD)
- *Candida albicans* (CA)
- *Gardnerella vaginalis* (GV)
- Group B *Streptococcus* (GBS)

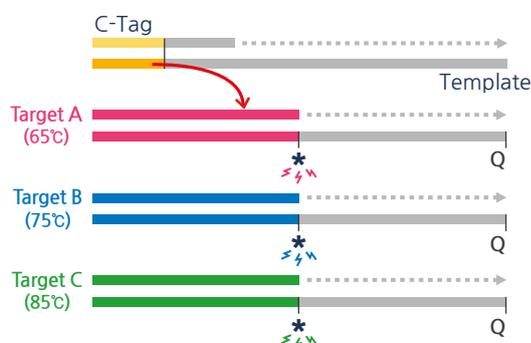
Specimens

- Urine
- Vaginal swabs

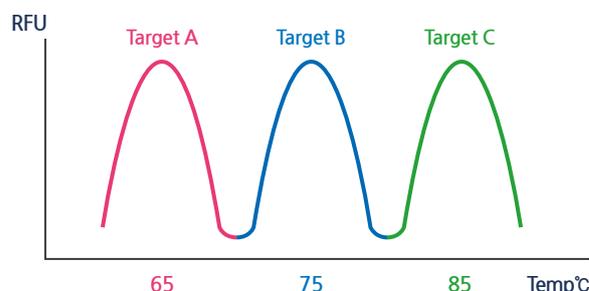
Compatible Instruments

- CFX96™ Dx System (Bio-Rad)

C-Tag™ Technology

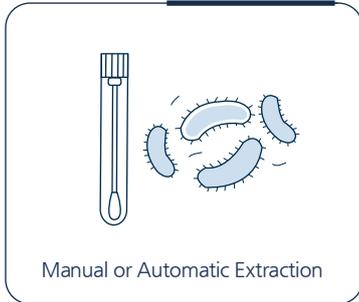


C-Tag™ Technology overcomes the limitations of conventional Real-time PCR by analyzing multiple pathogens simultaneously in a single-tube.

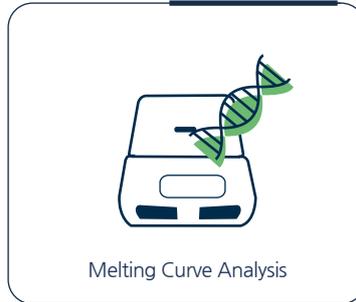


Simple and Fast Workflow

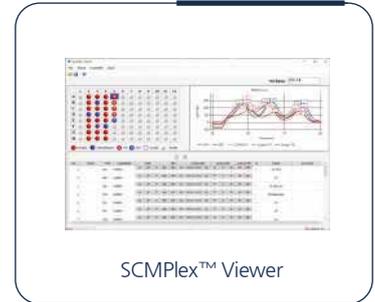
Automated Extraction / 1 hr **1**



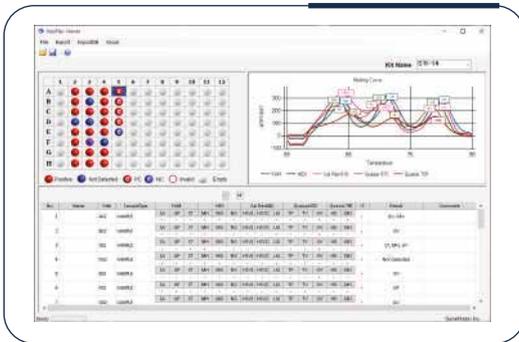
Real-time PCR / 2 hr 30 min **2**



Data Analysis / 5 min **3**



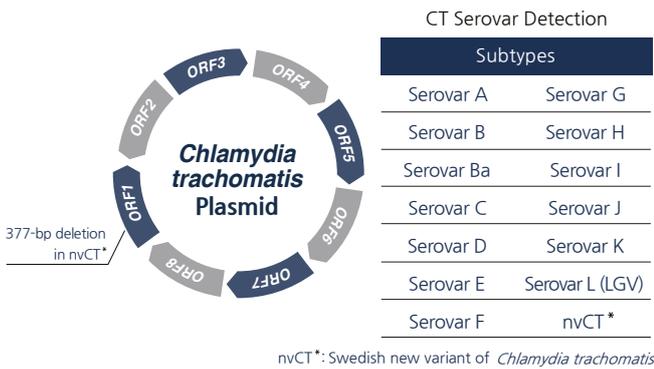
Easy Result Analysis



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

- Result report by automatic analysis
- Confirm the result of raw data analysis
- Rapid check of positivity and negativity
- Compatible with LIS
- Print out the result
- Export and download in various formats : [.xlsx] [.CSV] [.pdf]

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%

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
SCMP06A	SCMPlex™ STI-14 Detection kit	Simultaneous detection of 14 STI Pathogens	96 Tests/Kit
SCMP09A	SCMPlex™ STI-7 Detection kit	Simultaneous detection of 7 major STI Pathogens	96 Tests/Kit
SCMP09B	SCMPlex™ STI-7 PLUS Detection kit	Simultaneous detection of 7 additional STI Pathogens	96 Tests/Kit

