

Allplex™

STI Essential Assay Q (MH, UU)

Sexually transmitted infection (STI) is spread predominantly by unprotected sexual contact. Due to its high infection rate and co-infection cases, it is important to find the exact causative pathogens of STI. Moreover, STI shows no symptoms in many cases, so there is a high risk of being left untreated. If not treated in a timely manner, STI can cause complications such as ectopic pregnancy, infertility, chronic pelvic pain, or neonatal infection, so regular testing is crucial for early prevention. For *Mycoplasma hominis* (MH) and *Ureaplasma urealyticum* (UU), quantitative information is essential for determining pathogenicity, as they need to be distinguished from their commensal levels.

Allplex™ STI Essential Assay Q (MH, UU) is a multiplex real-time PCR assay that can identify 7 major pathogens (CT, NG, MG, TV, MH, UU, UP) that can cause STI. This assay enables comprehensive testing of STI with its ability to accurately detect causative pathogens. Also, it provides quantitative information on *Mycoplasma hominis* (MH) and *Ureaplasma urealyticum* (UU) for appropriate diagnosis and treatment.

Key features

- **High multiplex detection**
 - Detects and identifies 7 major pathogens (CT, NG, MG, TV, MH, UU, UP) of STI simultaneously in one tube, with a single test
- **High specificity**
 - Cross-reactivity does not occur with other closely related species
- **Quantitative information (MH, UU)**
 - Helps appropriate diagnosis and treatment by providing quantitative information on MH and UU
- **Whole process validation**
 - Validates whole testing process from sample collection to data analysis using endogenous IC (applicable for liquid-based cytology and genital swab)

Specifications

Analytes	Specimens	Compatible instrumentation
<ul style="list-style-type: none"> • <i>Chlamydia trachomatis</i> (CT) • <i>Neisseria gonorrhoeae</i> (NG) • <i>Mycoplasma genitalium</i> (MG) • <i>Trichomonas vaginalis</i> (TV) • <i>Mycoplasma hominis</i> (MH) • <i>Ureaplasma urealyticum</i> (UU) • <i>Ureaplasma parvum</i> (UP) • Endogenous internal control (IC)* 	<ul style="list-style-type: none"> • Urine • Liquid-based cytology (SurePath™ / ThinPrep® / CellPreserv) • Genital swab 	<ul style="list-style-type: none"> • Automated extraction & PCR setup Seegene STARlet-AIOS** Seegene NIMBUS Seegene STARlet • Automated extraction NucliSENS® EasyMag® SEEPREP32™ • Real-time PCR CFX96™ Dx

Ordering information

Product	Volume	Cat. No.
Allplex™ STI Essential Assay Q (MH, UU)	100 rxns	SD10202X
	50 rxns	SD10201Y
	25 rxns	SD10318Z

* Exogenous internal control is required for urine and anorectal swab specimens.
** Upcoming