

# Novaplex™ Sexually Transmitted Infection Assays\* (RUO)

Detect and identify a broad range of pathogens associated with STI's



## SEXUALLY TRANSMITTED INFECTIONS

## HIGH MULTIPLEX REAL-TIME PCR ASSAYS

Sexually transmitted infections (STIs) are among the most common infectious conditions and are a substantial cause of morbidity and mortality worldwide. STIs severely impact sexual and reproductive health and can be transmitted to sexual partners and newborns.

Common STIs include *Chlamydia trachomatis*, *Neisseria gonorrhoea*, and *Trichomonas vaginalis*, with symptoms such as itching, burning, redness, and unusual discharge. STIs can also lead to long term complications such as pelvic inflammatory disease, ectopic pregnancy, and increased risk of cervical cancer, HIV acquisition, and transmission.

### KEY FEATURES

#### Broad coverage of STI pathogens

- Detection of 14 different causative pathogens in sexually transmitted infections

- Coverage of 15 drug resistant STI targets (MG & NG)
- 4 hours TAT (from extraction to results)

#### Automated system

- Provides a convenient workflow through a streamlined automation system
- Minimizes contamination and human error

#### SAMPLE TYPES

- Genital swab
- Oropharyngeal (throat) swab
- Anorectal swab
- Liquid-based cytology
- Urine
- Semen

One Tube	Novaplex™ STI Essential Assay	Novaplex™ Genital Ulcer	Novaplex™ CT/NG/ MG/TV Assay	Novaplex™ MG & AziR Assay	Novaplex™ MG & MoxiR Assay	Novaplex™ NG & DR Assay
Number of Targets	7	7	4	7	7	5

Novaplex™ Assays are For Research Use Only. Not for Use in Diagnostic Procedures.



# SEXUALLY TRANSMITTED INFECTIONS HIGH MULTIPLEX REAL-TIME PCR ASSAYS

## ANALYTES

Novaplex™ STI Essential Assay	Novaplex™ Genital Ulcer Assay	Novaplex™ CT/NG/MG/TV Assay	Novaplex™ MG & AziR Assay	Novaplex™ MG & MoxiR Assay	Novaplex™ NG & DR Assay
<ul style="list-style-type: none"> <li>• <i>Chlamydia trachomatis</i> (CT)</li> <li>• <i>Neisseria gonorrhoeae</i> (NG)</li> <li>• <i>Mycoplasma genitalium</i> (MG)</li> <li>• <i>Mycoplasma hominis</i> (MH)</li> <li>• <i>Trichomonas vaginalis</i> (TV)</li> <li>• <i>Ureaplasma urealyticum</i> (UU)</li> <li>• <i>Ureaplasma parvum</i> (UP)</li> </ul>	<ul style="list-style-type: none"> <li>• Herpes simplex virus type 1 (HSV-1)</li> <li>• Herpes simplex virus type 2 (HSV-2)</li> <li>• Cytomegalovirus (CMV)</li> <li>• Varicella-zoster virus (VZV)</li> <li>• C. trachomatis serovar L (LGV)</li> <li>• <i>Treponema pallidum</i> (TP)</li> <li>• <i>Haemophilus ducreyi</i> (HD)</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Chlamydia trachomatis</i> (CT)</li> <li>• <i>Mycoplasma genitalium</i> (MG)</li> <li>• <i>Neisseria gonorrhoeae</i> (NG)</li> <li>• <i>Trichomonas vaginalis</i> (TV)</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Mycoplasma genitalium</i> (MG)</li> <li>• A2058G (mutation of 23S rRNA)</li> <li>• A2058T (mutation of 23S rRNA)</li> <li>• A2058C (mutation of 23S rRNA)</li> <li>• A2059G (mutation of 23S rRNA)</li> <li>• A2059T (mutation of 23S rRNA)</li> <li>• A2059C (mutation of 23S rRNA)</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Mycoplasma genitalium</i> (MG)</li> <li>• G248A (mutation of parC)</li> <li>• A247C (mutation of parC)</li> <li>• G248T (mutation of parC)</li> <li>• G259A (mutation of parC)</li> <li>• G259C (mutation of parC)</li> <li>• G259T (mutation of parC)</li> </ul>	<ul style="list-style-type: none"> <li>• A2059G (mutation of 23S rRNA)</li> <li>• C2611T (mutation of 23S rRNA)</li> <li>• S91F (mutation of gyrase A)</li> <li>• <i>Neisseria gonorrhoeae</i> (NG1)</li> <li>• <i>Neisseria gonorrhoeae</i> (NG2)</li> </ul>

## ORDERING INFORMATION

Assay	Volume (rxns)	Catalog No.
Novaplex™ STI Essential Assay	124	R-SD9801W
Novaplex™ Genital Ulcer Assay	124	R-SD9802W
Novaplex™ CT/NG/MG/TV Assay	124	R-SD10217W
Novaplex™ MG & AziR Assay	25	R-SD10193W
Novaplex™ MG & MoxiR Assay	124	R-SD10233W
Novaplex™ NG & DR Assay	25T	R-SD70518Z



\*Novaplex™ Assays are For Research Use Only. Not for Use in Diagnostic Procedures.

## WORKFLOW

### FOR EXTRACTION

**Seegene Launcher**  
Operation Software

### REAL-TIME PCR

### AUTOMATED DATA ANALYSIS



**Seegene NIMBUS**  
Catalog No. 65415-03

**Seegene STARlet**  
Catalog No. 67930-03



**Bio-Rad**  
CFX96™ Dx/Touch/Opus™  
Purchase From Bio-Rad<sup>^</sup>



**Seegene Viewer Software**  
Automated Data Analysis

\*\* Extraction methods are not limited to the Seegene NIMBUS and Seegene STARlet.

<sup>^</sup> The CFX96™ Dx/Touch/Opus™ instrument is to be purchased directly from Bio-Rad. Seegene does not distribute the instrument in the U.S. Please contact Bio-Rad for ordering information.



Seegene USA, Inc.  
3 Burroughs, Suite 292  
Irvine, California, USA

800-725-2167  
info.segeneusa@seegene.com  
www.SeegeneUS.com

© Seegene 2024 | All Rights Reserved  
March 2024  
REC-98-MKT Ver. 0