

Allplex™

# NG & DR Assay

*Neisseria gonorrhoeae* (NG) is a major causative pathogen of STI and is one of the most commonly detected pathogens due to its high infection rate. NG can spread easily, but it is often asymptomatic and can be left unattended. When left untreated, NG can cause serious health problems including ectopic pregnancy and infertility. As a way to treat NG, various types of antibiotics are used. However, there is a global concern regarding the recent increase in NGs that are resistant to two types of antibiotics, Azithromycin and Ciprofloxacin. Therefore, identifying NG infection and the presence of drug resistance simultaneously is crucial for effective and appropriate prescription.

Allplex™ NG & DR Assay is a multiplex real-time PCR assay that can accurately detect NG and drug resistance (Azithromycin, Ciprofloxacin) with a single test, and NG supplementary test is possible according to the WHO test guideline. It can also be used with Seegene's other STI assay to provide informative STI screening.

## Key features

### ✔ Antimicrobial resistance test

- Detects NG and drug resistance (Azithromycin, Ciprofloxacin) accurately with a single test to enable informative decision making
  - Azithromycin-resistance (A2059G, C2611T)
  - Ciprofloxacin-resistance (S91F)

### ✔ Fast confirmation

- Detects NG and drug resistance simultaneously with fast PCR TAT of 1.5 hours to help provide faster diagnosis

### ✔ Combination test

- Combination test available with Seegene's other STI assay (Allplex™ CT/NG/MG/TV Assay) for informative STI screening

## Specifications

Analytes	Specimens	Compatible instrumentation
<ul style="list-style-type: none"> <li>• A2059G</li> <li>• C2611T</li> <li>• S91F</li> <li>• <i>Neisseria gonorrhoeae</i> (NG1)</li> <li>• <i>Neisseria gonorrhoeae</i> (NG2)</li> <li>• Endogenous internal control (IC)*</li> </ul>	<ul style="list-style-type: none"> <li>• Urine</li> <li>• Liquid-based cytology (SurePath™ / ThinPrep® / CellPreserv)</li> <li>• Genital swab</li> <li>• Oropharyngeal swab</li> <li>• Anorectal swab</li> </ul>	<ul style="list-style-type: none"> <li>• Automated extraction &amp; PCR setup               <ul style="list-style-type: none"> <li>Seegene STARlet-AIOS</li> <li>Seegene NIMBUS</li> <li>Seegene STARlet</li> </ul> </li> <li>• Automated extraction               <ul style="list-style-type: none"> <li>Maelstrom™ 9600</li> <li>SEEPREP32™</li> </ul> </li> <li>• Real-time PCR               <ul style="list-style-type: none"> <li>CFX96™ Dx</li> </ul> </li> </ul>

## Ordering information

Product	Volume	Cat. No.
Allplex™ NG & DR Assay	100 rxns	SD10367X
	25 rxns	SD10368Z
Allplex™ CT/NG/MG/TV Assay	100 rxns	SD9400X
	25 rxns	SD10317Z

\* Exogenous internal controls are required for urine and anorectal swab specimens.