



Respiratory  
Infections



Gastrointestinal  
Infections



Women's  
Health



Drug  
Resistance



Sexually Transmitted  
Infections

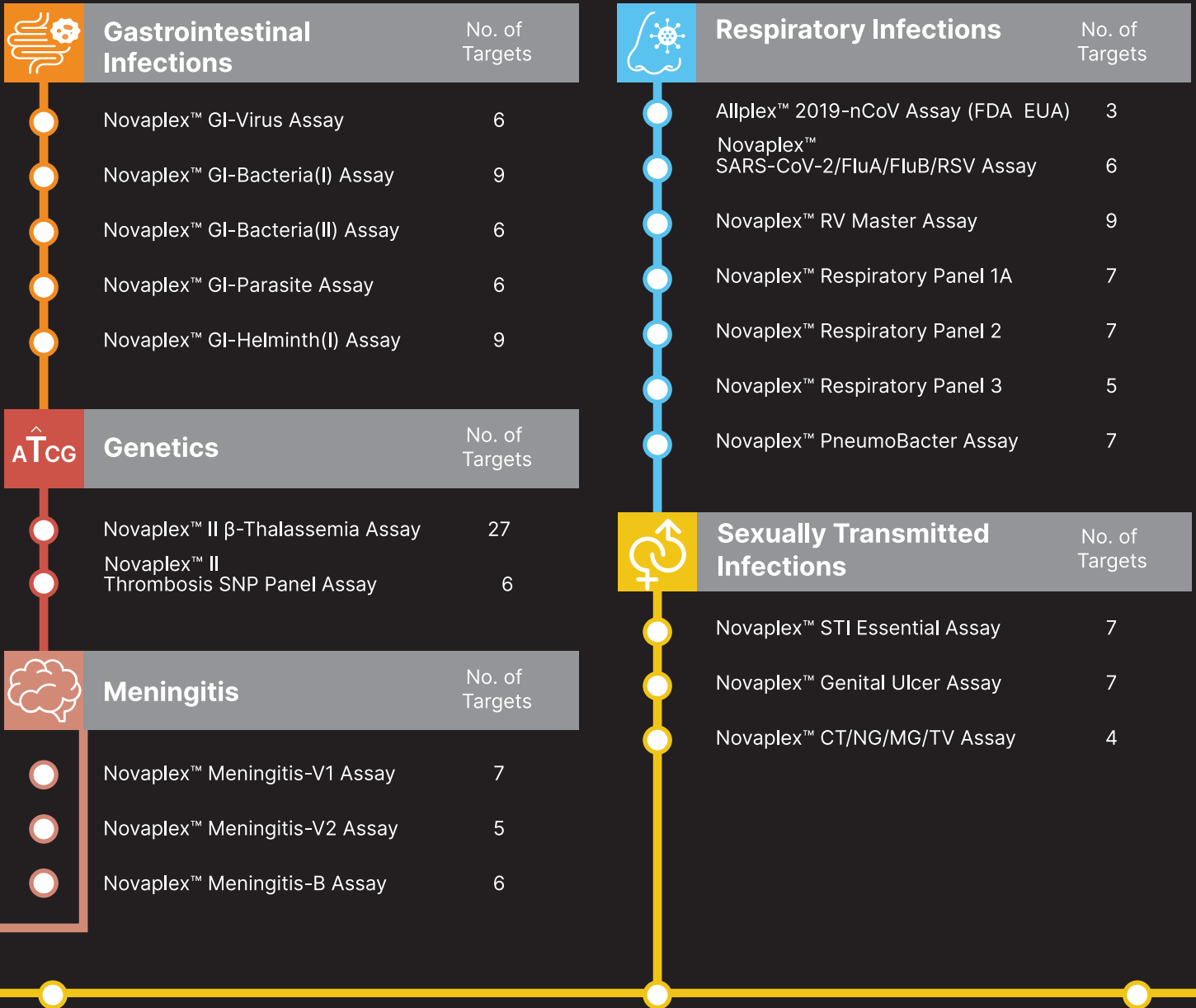


More

High Multiplex Real-Time PCR Assays  
and Automated Solutions

Streamlined  
automation  
system

# ONE SAMPLE.



[www.SeegeneUS.com](http://www.SeegeneUS.com)

Ⓐ Allplex™ 2019-nCoV Assay is for Emergency Use Authorization.

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

# MANY ANSWERS.



## Fungal Infections

No. of Targets

Novaplex™ Dermatophyte Assay 6



## Streptococcal Infections

No. of Targets

Novaplex™ GBS Typing Assay 9



## Vector-borne Diseases

No. of Targets

Novaplex™ Tick-borne Disease Assay 9

Novaplex™ Malaria Assay 5

Novaplex™ Tropical Fever Virus Assay 4



## Women's Health

No. of Targets

Novaplex™ HPV28 Detection 28

Novaplex™ II HPV HR Detection 14

Novaplex™ Candidiasis Assay 7

Novaplex™ Bacterial Vaginosis Assay 7

Novaplex™ Aerobic Vaginitis Assay 7



## Drug Resistance



## Hospital Acquired Infections

No. of Targets

Novaplex™ Entero-DR 8



## *Helicobacter pylori*

No. of Targets

Novaplex™ *H. pylori* & ClariR Assay 4



## Drug Resistance STI

No. of Targets

Novaplex™ MG & AziR Assay 7

Novaplex™ MG & MoxiR Assay 7

Novaplex™ NG & DR Assay 5



## Tuberculosis Multidrug Resistance

Novaplex™ MTB/XDRe Detection 4

Ⓐ Allplex™ 2019-nCoV Assay is for Emergency Use Authorization.

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



## GASTROINTESTINAL INFECTIONS

Product	Analytes			Cat. No.
<b>Novaplex™ GI-Virus Assay</b>	– Norovirus GI (NVG1) – Norovirus GII (NVG2)	– Adenovirus F (ADV-F) – Astrovirus (ASV)	– Rotavirus A (ROV) – Sapovirus (SV)	R-GI9701W
<b>Novaplex™ GI-Bacteria (I) Assay</b>	– <i>Aeromonas</i> spp. (Aer) – <i>Campylobacter</i> spp. (Cam) – <i>Clostridium perfringens</i> (Cp)	– <i>Clostridium difficile</i> toxin A (CdA) – <i>Clostridium difficile</i> toxin B (CdB)	– <i>Shigella</i> spp. / EIEC (Sh/EI) – <i>Salmonella</i> spp. (Sal) – <i>Vibrio</i> spp. (Vib.) – <i>Y. enterocolitica</i> (Yer)	R-GI9801W
<b>Novaplex™ GI-Bacteria (II) Assay</b>	– <i>E. coli</i> O157 – CD hyper	– STEC (stx1/2) – EAEC (aggR)	– ETEC (lt/st) – EPEC (eaeA)	R-GI9702W
<b>Novaplex™ GI-Parasite Assay</b>	– <i>G. lamblia</i> (GL) – <i>B. hominis</i> (BH)	– <i>E. histolytica</i> (EH) – <i>D. fragilis</i> (DF)	– <i>Cryptosporidium</i> spp. (CC) – <i>C. cayetanensis</i> (CC)	R-GI9703W
<b>Novaplex™ GI-Helminth (I) Assay</b>	– <i>Enterocytozoon</i> spp. / <i>Encephalitozoon</i> spp. (EN) – <i>Strongyloides</i> spp. (ST) – <i>Hymenolepis</i> spp. (HY)	– <i>Ascaris</i> spp. (AS) – <i>Taenia</i> spp. (TA) – <i>T. trichiura</i> (TT)	– <i>Ancylostoma</i> spp. (AN) – <i>E. vermicularis</i> (EN) – <i>N. americanus</i> (NA)	R-GI10191W

## GENETICS

<b>Novaplex™ II β-Thalassemia Assay</b>	7 High prevalent mutations		6 Low prevalent mutations	R-TH10158X
	– IVS 1-5 (G>C) – CD15 (G>A) – IVS 1-1 (G>T) – HbS	– FS8/9 (+G) – FS41/42 (-TTCT) – 619bp deletion	– CD30 (G>C) – HbE – CD15 (-T) – CD16 (-C) – 28 (A>G) – 90 (C>T)	
<b>Novaplex™ II Thrombosis SNP Panel Assay</b>	Factor V (Factor V Leiden gene) – H1299R – R506Q – Y1702C	Factor II (Prothrombin gene mutation) – G20210A	MTHFR (Methylenetetrahydrofolate reductase) – C677T – A1298C	R-TS70505W

## MENINGITIS

<b>Novaplex™ Meningitis-V1 Assay*</b>	– Cytomegalovirus (CMV) – Epstein-barr virus (EBV) – Herpes simplex virus type 1 (HSV1) – Herpes simplex virus type 2 (HSV2)	– Human herpes virus 6 (HHV6) – Human herpes virus 7 (HHV7) – Varicella-zoster virus (VZV)	R-MG70519Z
<b>Novaplex™ Meningitis-V2 Assay*</b>	– Human Adenovirus (AdV) – Human Enterovirus (HEV) – Human Parechovirus (HPeV)	– Mumps virus (MV) – Parvovirus B19 (B19V)	R-MG70521Z
<b>Novaplex™ Meningitis-B Assay*</b>	– <i>Escherichia coli</i> K1 (EC K1) – <i>Haemophilus influenzae</i> (HI) – <i>Listeria monocytogenes</i> (LM)	– <i>Neisseria meningitidis</i> (NM) – <i>Streptococcus agalactiae</i> (GBS) – <i>Streptococcus pneumoniae</i> (SP)	R-MG70510Z



## RESPIRATORY INFECTIONS

Product	Analytes			Cat. No.
<b>Allplex™ 2019-nCoV Assay (FDA EUA)</b>	<ul style="list-style-type: none"> <li>- <i>Sarbecovirus</i> (E gene)</li> <li>- SARS-CoV-2 (RdRP gene)</li> <li>- SARS-CoV-2 (N gene)</li> </ul>			RP10252W
<b>Novaplex™ SARS-CoV-2/FluA/ FluB/RSV Assay</b>	<ul style="list-style-type: none"> <li>- SARS-CoV-2 (N gene)</li> <li>- SARS-CoV-2 (S gene)</li> <li>- SARS-CoV-2 (RdRP gene)</li> <li>- RSV A/B</li> <li>- Flu A</li> <li>- Flu B</li> </ul>			R-RV10259W
<b>Novaplex™ RV Master Assay</b>	<ul style="list-style-type: none"> <li>- SARS-CoV-2 (N Gene)</li> <li>- SARS-CoV-2(RdRP Gene)</li> <li>- Flu A</li> <li>- Flu B</li> <li>- Adenovirus (AdV)</li> <li>- Metapneumovirus (MPV)</li> <li>- PIV 1/2/3/4</li> <li>- RSV A/B</li> <li>- HRV A/B/C</li> </ul>			R-RV70591X
<b>Novaplex™ Respiratory Panel 1A</b>	<ul style="list-style-type: none"> <li>- Flu A</li> <li>- Flu B</li> <li>- Flu A-H1</li> <li>- Flu A-H1pdm09</li> <li>- Flu A-H3</li> <li>- RSV A</li> <li>- RSV B</li> </ul>			R-RP9702W
<b>Novaplex™ Respiratory Panel 2</b>	<ul style="list-style-type: none"> <li>- Adenovirus (AdV)</li> <li>- Enterovirus (HEV)</li> <li>- Metapneumovirus (MPV)</li> <li>- Parainfluenza virus 1 (PIV1)</li> <li>- Parainfluenza virus 2 (PIV2)</li> <li>- Parainfluenza virus 3 (PIV3)</li> <li>- Parainfluenza virus 4 (PIV4)</li> </ul>			R-RP9802W
<b>Novaplex™ Respiratory Panel 3</b>	<ul style="list-style-type: none"> <li>- Bocavirus 1/2/3/4</li> <li>- Human rhinovirus A/B/C</li> <li>- Coronavirus NL63</li> <li>- Coronavirus 229E</li> <li>- Coronavirus OC43</li> </ul>			R-RP9601W
<b>Novaplex™ PneumoBacter Assay</b>	<ul style="list-style-type: none"> <li>- <i>M. pneumoniae</i> (MP)</li> <li>- <i>S. pneumoniae</i> (SP)</li> <li>- <i>C. pneumoniae</i> (CP)</li> <li>- <i>B. pertussis</i> (BP)</li> <li>- <i>L. pneumophila</i> (LP)</li> <li>- <i>B. paraptussis</i> (BPP)</li> <li>- <i>H. influenzae</i> (HI)</li> </ul>			R-PB10176W

## SEXUALLY TRANSMITTED INFECTIONS

<b>Novaplex™ STI Essential Assay</b>	<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>			R-SD9801W
<b>Novaplex™ Genital Ulcer Assay</b>	<ul style="list-style-type: none"> <li>- <i>Cytomegalovirus</i> (CMV)</li> <li>- <i>Haemophilus ducreyi</i> (HD)</li> <li>- Varicella-zoster virus (VZV)</li> <li>- Herpes simplex virus type 1 (HSV-1)</li> <li>- Herpes simplex virus type 2 (HSV-2)</li> <li>- Lymphogranuloma venereum (LGV)</li> <li>- <i>Treponema pallidum</i> (TP)</li> </ul>			R-SD9802W
<b>Novaplex™ CT/NG/MG/TV Assay</b>	<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>			R-SD10217W



## FUNGAL INFECTIONS

Product	Analytes		Cat. No.
<b>Novaplex™ Dermatophyte Assay</b>	<ul style="list-style-type: none"> <li>- <i>Candida albicans</i> (CA)</li> <li>- <i>Epidermophyton floccosum</i> (EF)</li> <li>- <i>Microsporum</i> spp. (Msp)</li> </ul>	<ul style="list-style-type: none"> <li>- <i>Trichophyton mentagrophytes</i> complex (TMC)</li> <li>- <i>Trichophyton rubrum</i> complex (TRC)</li> <li>- <i>Trichophyton tonsurans</i> (TT)</li> </ul>	R-DE10261X

## STREPTOCOCCAL INFECTIONS

<b>Novaplex™ GBS Typing Assay</b>	<ul style="list-style-type: none"> <li>- GBS screening</li> <li>- GBS serotype Ia</li> <li>- GBS serotype Ib</li> </ul>	<ul style="list-style-type: none"> <li>- GBS serotype II</li> <li>- GBS serotype III</li> <li>- GBS serotype IV</li> </ul>	<ul style="list-style-type: none"> <li>- GBS serotype VI</li> <li>- GBS serotype V</li> <li>- Others (GBS serotype VII, VIII, IX)</li> </ul>	R-SD10256Z R-SD10255X
---------------------------------------	---	--	--	--------------------------

## VECTOR-BORNE DISEASES

<b>Novaplex™ Tick-borne Disease Assay</b>	<ul style="list-style-type: none"> <li>- <i>A. phagocytophilum</i> (AP)</li> <li>- <i>B. duncani</i> (BD)</li> <li>- <i>B. microti</i> (BMi)</li> </ul>	<ul style="list-style-type: none"> <li>- <i>B. burgdoferi sensu stricto</i> (BBs)</li> <li>- <i>B. mayonii</i> (BMiYa)</li> <li>- <i>B. miyamotoi</i> (BMi)</li> </ul>	<ul style="list-style-type: none"> <li>- <i>Ehrlichia chaffensis</i> (EC)</li> <li>- <i>Ehrlichia ewingii</i> (EE)</li> <li>- <i>Rickettsia</i> spp. (Ricke)</li> </ul>	R-TD9900W
<b>Novaplex™ Malaria Assay*</b>	<ul style="list-style-type: none"> <li>- <i>Plasmodium vivax</i> (PV)</li> <li>- <i>Plasmodium ovale</i> (PO)</li> </ul>	<ul style="list-style-type: none"> <li>- <i>Plasmodium falciparum</i> (PF)</li> <li>- <i>Plasmodium malariae</i> (PM)</li> <li>- <i>Plasmodium knowlesi</i> (PK)</li> </ul>		R-VB10369W
<b>Novaplex™ Tropical fever virus Assay</b>	<ul style="list-style-type: none"> <li>- Dengue virus (DENV)</li> <li>- Chikungunya virus (CHIKV)</li> </ul>	<ul style="list-style-type: none"> <li>- Zika virus (ZIKV)</li> <li>- West Nile virus (WNV)</li> </ul>		R-TF10208W

## WOMEN'S HEALTH

<b>Novaplex™ HPV28 Detection</b>	<ul style="list-style-type: none"> <li>- 19 High-risk genotypes: 16, 18, 26, 31, 33, 35, 39, 45, 51, 52, 53, 56, 58, 59, 66, 68, 69, 73, 82</li> </ul>	<ul style="list-style-type: none"> <li>- 9 Low-risk genotypes : 6, 11, 40, 42, 43, 44, 54, 61, 70</li> </ul>		R-HP70522W
<b>Novaplex™ II HPV HR Detection</b>	<ul style="list-style-type: none"> <li>- 14 High-risk genotypes : 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66, 68</li> </ul>			R-HP7E00W
<b>Novaplex™ Candidiasis Assay</b>	<ul style="list-style-type: none"> <li>- <i>C. albicans</i> (CA)</li> <li>- <i>C. dubliniensis</i> (CD)</li> <li>- <i>C. glabrata</i> (CG)</li> <li>- <i>C. krusei</i> (CK)</li> </ul>	<ul style="list-style-type: none"> <li>- <i>C. lusitaniae</i> (CL)</li> <li>- <i>C. parapsilosis</i> (CP)</li> <li>- <i>C. tropicalis</i> (CTp)</li> </ul>		R-SD9803W
<b>Novaplex™ Bacterial Vaginosis Assay</b>	<ul style="list-style-type: none"> <li>- <i>A. vaginae</i> (AV)</li> <li>- <i>B. fragilis</i> (BF)</li> <li>- <i>G. vaginalis</i> (GV)</li> <li>- <i>Mobiluncus</i> spp. (Mob)</li> </ul>	<ul style="list-style-type: none"> <li>- <i>Lactobacillus</i> spp. (Lacto)</li> <li>- <i>Megasphaera</i> type 1 (Mega1)</li> <li>- BV-associated bacteria 2 (BVAB2)</li> </ul>		R-SD9804W
<b>Novaplex™ Aerobic Vaginitis Assay</b>	<ul style="list-style-type: none"> <li>- <i>Escherichia coli</i> (EC)</li> <li>- <i>Enterococcus faecalis</i> (EF)</li> <li>- <i>Lactobacillus</i> spp. (Lacto)</li> </ul>	<ul style="list-style-type: none"> <li>- <i>Staphylococcus aureus</i> (SA)</li> <li>- <i>Streptococcus agalactiae</i> (GBS)</li> <li>- <i>Streptococcus pyogenes</i> (GAS)</li> <li>- <i>Lactobacillus reuteri/rhamnosus</i> (LR)</li> </ul>		R-SD9700W



## DRUG RESISTANCE

Product	Analytes	Cat. No.
---------	----------	----------

### HOSPITAL ACQUIRED INFECTIONS

<b>Novaplex™ Entero-DR Assay</b>	Carbapenemase genes – KPC – VIM – NDM – IMP – OXA-48	Vancomycin resistant genes – VanA – VanB  Extended Spectrum Beta-Lactamase (ESBL) gene – CTX-M	R-CR10215W
--------------------------------------	---	--	------------

### HELICOBACTER PYLORI

<b>Novaplex™ H. pylori &amp; ClariR Assay</b>	– <i>H. pylori</i> (HP)	23S rRNA gene responsible for clarithromycin resistance of <i>H. pylori</i> – A2142G – A2143G – A2142C	R-HC70508W
---	-------------------------	---	------------

### STI DRUG RESISTANCE

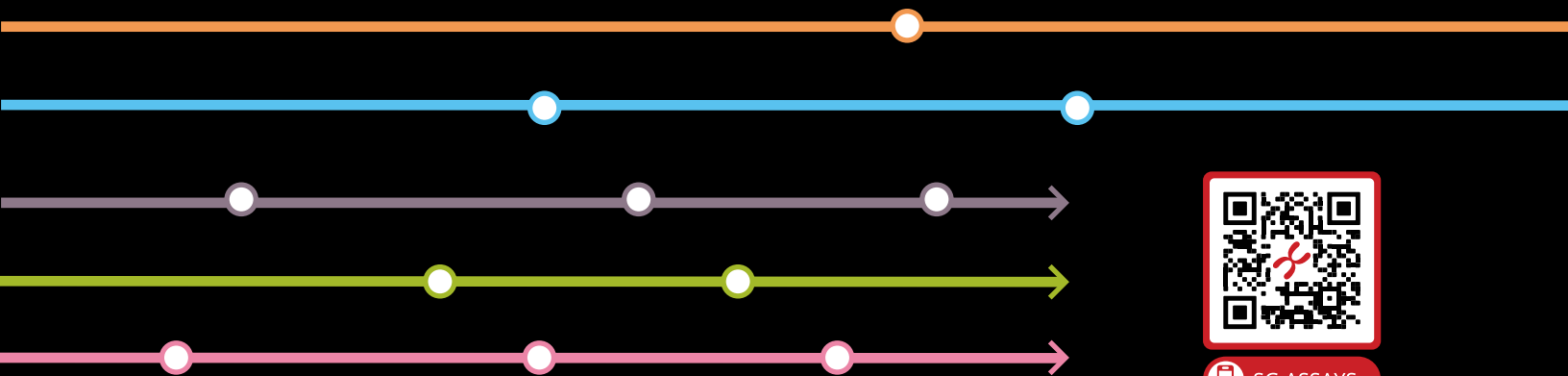
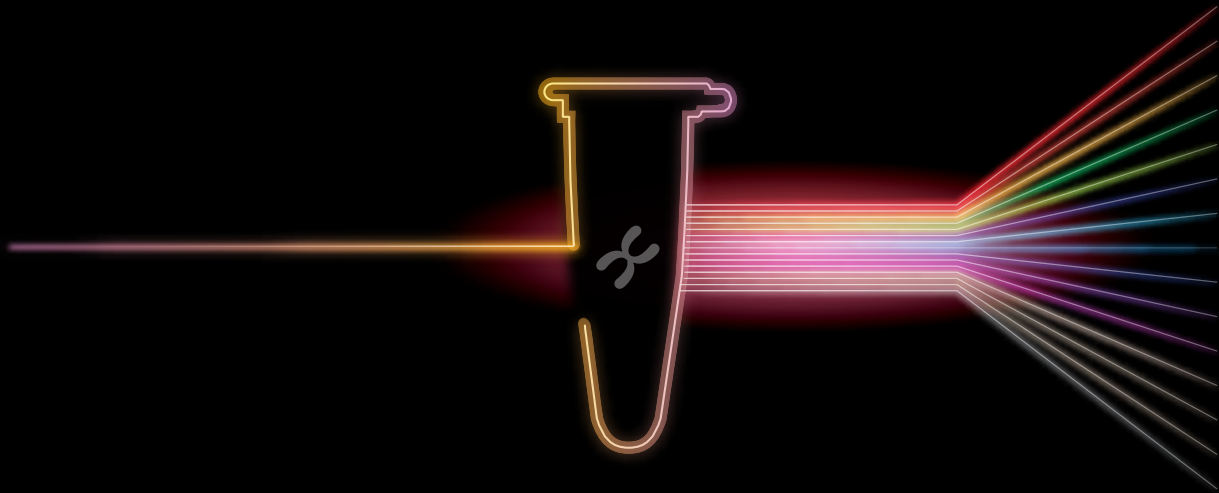
<b>Novaplex™ MG &amp; AziR Assay</b>	– <i>M. genitalium</i> (MG)	– A2058G – A2058T	– A2058C – A2059G	– A2059T – A2059C	R-SD10193W
<b>Novaplex™ MG &amp; MoxiR Assay</b>	– <i>M. genitalium</i> (MG)	– A247C – G248T	– G248A – G259A	– G259T – G259C	R-SD10233W
<b>Novaplex™ NG &amp; DR Assay</b>	– <i>N. gonorrhoeae</i> 1 (NG1) – <i>N. gonorrhoeae</i> 2 (NG2)	– A2059G	– C2611T	– S91F	R-SD70518Z

### TUBERCULOSIS MULTIDRUG RESISTANCE

<b>Novaplex™ MTB/XDRe Detection*</b>	– <i>Mycobacterium tuberculosis</i> (MTB)	13 mutations associated with XDR-TB – Fluoroquinolone resistance (7 mutations) – Injectable drug resistance (6 mutations)	–
--	---	---	---



One Sample. Many Answers.



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

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

©Seegene 2024. All Rights Reserved  
Product Catalog • April 2024  
REC-2-MKT v4