

Seegene MDx Assays Pipeline

COVID-19

Respiratory Infection

Tuberculosis

Sexually Transmitted Infection

Vaginal Infection

Human Papillomavirus Infection

Gastrointestinal Infection

Antimicrobial Resistance

Meningitis

Single Nucleotide Polymorphism

Vector-borne Disease

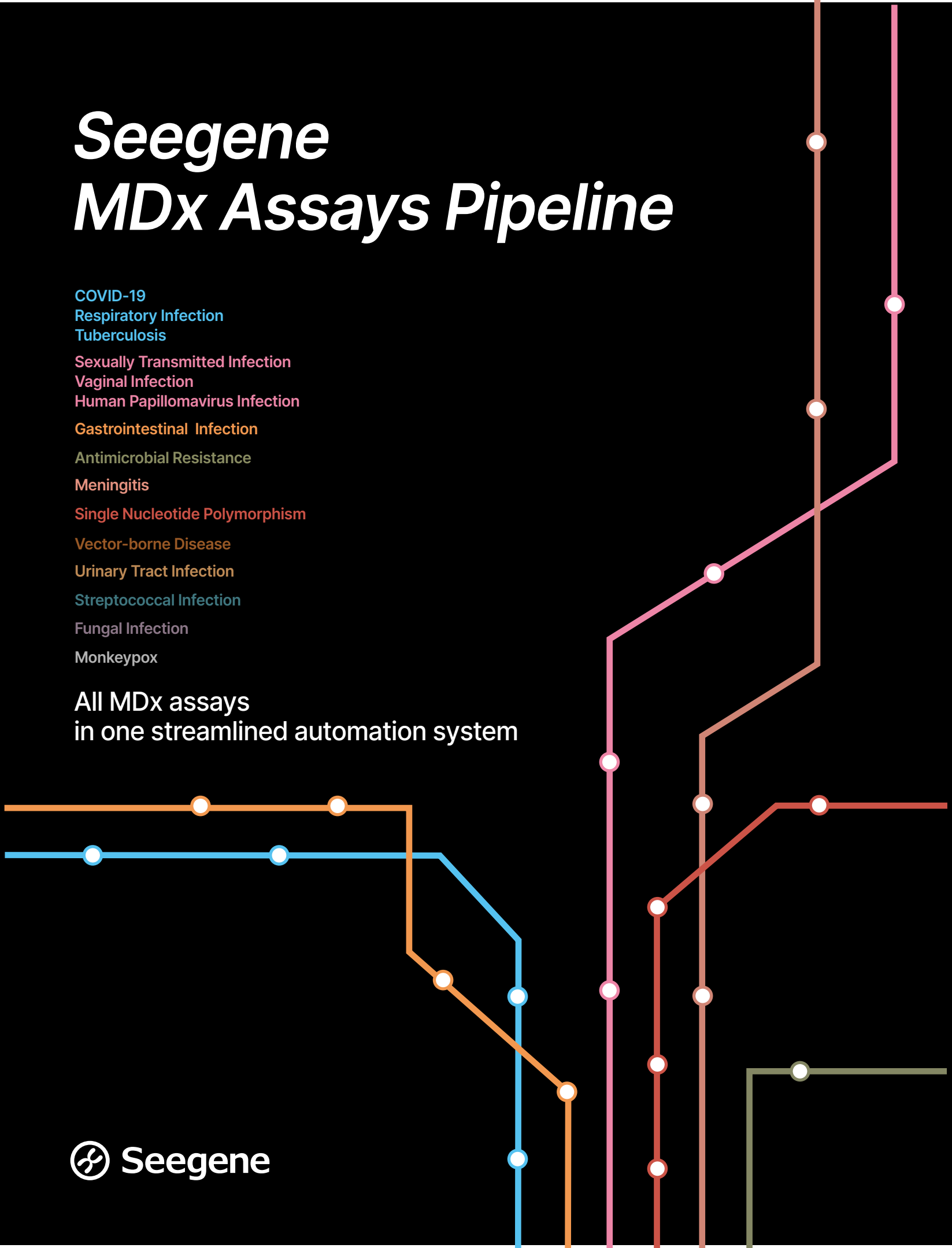
Urinary Tract Infection

Streptococcal Infection

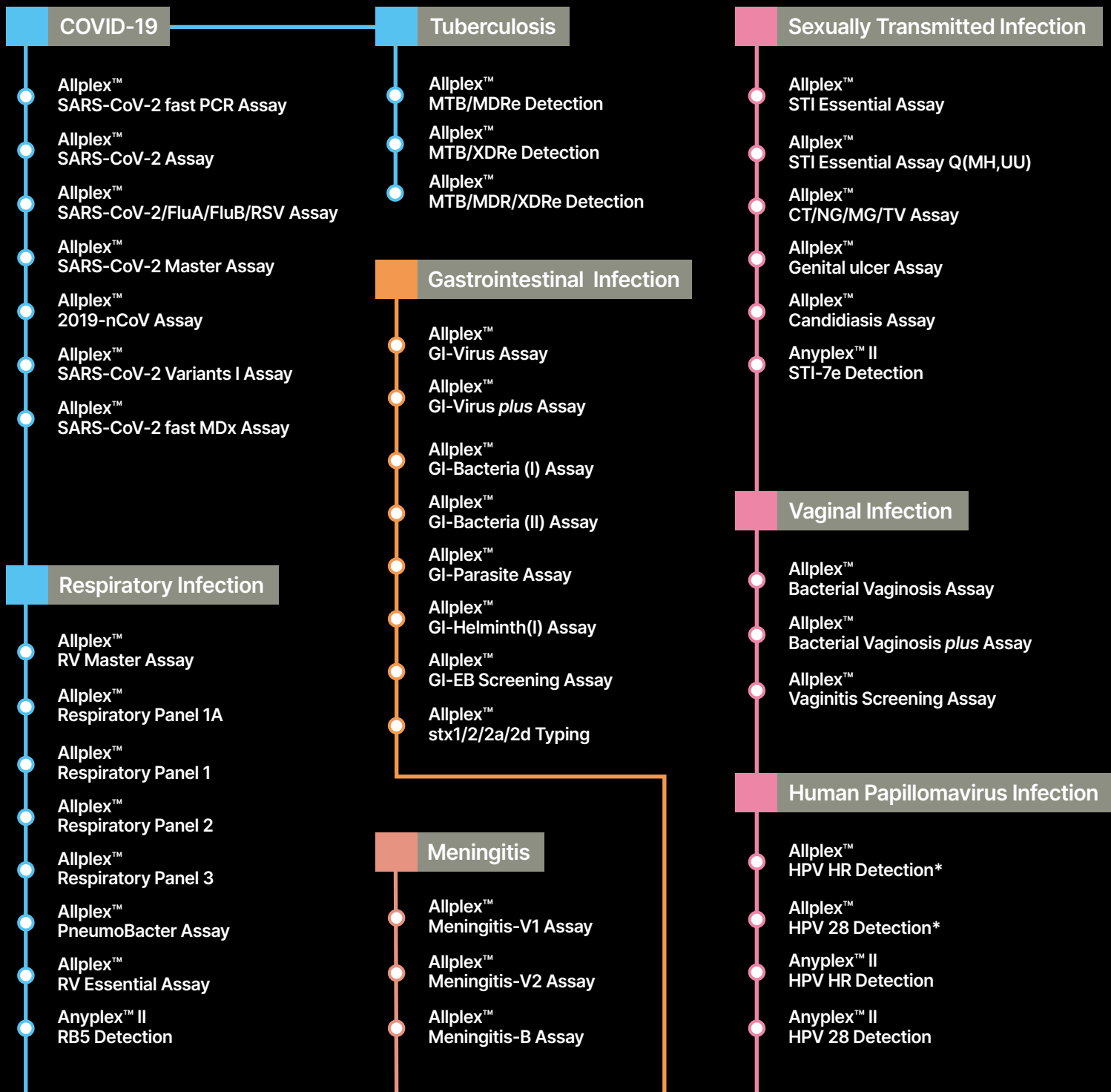
Fungal Infection

Monkeypox

All MDx assays
in one streamlined automation system



Seegene high multiplex real-time PCR assays



Novaplex™ product line should be used for Research Use Only.

Streptococcal Infection

Novaplex™
GBS Typing Assay

Fungal Infection

Novaplex™
Dermatophyte Assay

Monkeypox

Novaplex™
MPXV Assay

Urinary Tract Infection

Novaplex™
Urinary Tract Infection 1

Novaplex™
Urinary Tract Infection 2

Novaplex™
Urinary Tract Infection 3

Vector-borne Disease

Novaplex™
Tick-borne Disease Assay

Novaplex™
Tick-borne Disease Expanded Assay*

Novaplex™
Tropical fever virus Assay

Novaplex™
Malaria Assay*

Single Nucleotide Polymorphism

Anyplex™ II
Thrombosis SNP Panel Assay

Antimicrobial Resistance

Allplex™
MG & AziR Assay

Allplex™
MG & MoxiR Assay

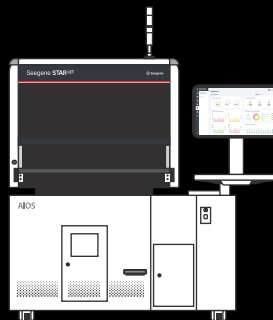
Allplex™
NG & DR Assay

Allplex™
Entero-DR Assay

Allplex™
H. pylori & ClariR Assay

Seegene STARlet-AIOS

All symptom-based MDx assays are compatible
in one streamlined automation system



Cover all fields of molecular diagnostics



- COVID-19
- Respiratory Infection
- Tuberculosis



- Sexually Transmitted Infection
- Vaginal Infection
- Human Papillomavirus Infection



- Gastrointestinal Infection



- Antimicrobial Resistance



- Meningitis



- Single Nucleotide Polymorphism



- Vector-borne Disease



- Urinary Tract Infection



- Streptococcal Infection



- Fungal Infection



- Monkeypox

*Upcoming

COVID-19

Product	Analytes	Specimens	Cat. No.
Allplex™ SARS-CoV-2 fast PCR Assay	- SARS-CoV-2 (E gene) - SARS-CoV-2 (RdRP gene) - SARS-CoV-2 (N gene)	- Nasopharyngeal swab	RV10345Z RV10344X
Allplex™ SARS-CoV-2 Assay	- SARS-CoV-2 (N gene) - SARS-CoV-2 (S gene) - SARS-CoV-2 (RdRP/S gene) - <i>Sarbecovirus</i> (E gene)	- Sputum - Saliva - Oropharyngeal swab - Nasopharyngeal swab / aspirate - Bronchoalveolar lavage	RV10248X
Allplex™ SARS-CoV-2 /FluA/FluB/RSV Assay	- SARS-CoV-2 (N gene) - SARS-CoV-2 (S gene) - SARS-CoV-2 (RdRP gene) - RSV A/B - Flu A - Flu B	- Sputum - Saliva - Nasopharyngeal swab / aspirate - Bronchoalveolar lavage - Nasal and oral swab (Combo-swab)	RV10259X
Allplex™ SARS-CoV-2 Master Assay	- <i>Sarbecovirus</i> (E gene) - SARS-CoV-2 (RdRP/S gene) - SARS-CoV-2 (N gene) - SARS-CoV-2 (S gene) variants: • HV69/70 deletion, Y144 deletion, E484K, N501Y, P681H	- Sputum - Saliva - Oropharyngeal swab - Nasopharyngeal swab / aspirate - Bronchoalveolar lavage - Nasal and oral swab (Combo-swab)	RV10284X
Allplex™ 2019-nCoV Assay	- <i>Sarbecovirus</i> (E gene) - SARS-CoV-2 (RdRP gene) - SARS-CoV-2 (N gene)	- Sputum - Oropharyngeal swab - Nasopharyngeal swab / aspirate - Bronchoalveolar lavage	RP10243X
Allplex™ SARS-CoV-2 Variants I Assay	- SARS-CoV-2 (RdRP gene) - SARS-CoV-2 (S gene) variants: • HV69/70 deletion, E484K, N501Y	- Sputum - Saliva - Oropharyngeal swab - Nasopharyngeal swab / aspirate - Bronchoalveolar lavage - Nasal and oral swab (Combo-swab)	RV10286X
Allplex™ SARS-CoV-2 fast MDx Assay	- SARS-CoV-2 (N gene) - SARS-CoV-2 (RdRP gene)	- Nasopharyngeal swab - Saliva	RV10354X

Respiratory Infection

Allplex™ RV Master Assay	- SARS-CoV-2 (N/S gene) - SARS-CoV-2 (RdRP gene) - Adenovirus - Flu A - Flu B - Metapneumovirus - PIV - RSV - HRV	- Sputum - Oropharyngeal swab - Nasopharyngeal swab / aspirate - Bronchoalveolar lavage	RV10307X
Allplex™ Respiratory Panel 1A	- Flu A (including avian influenza) - Flu B - Flu A-H3 - Flu A-H1 - Flu A-H1pdm09 - RSV A - RSV B		RP9702X
Allplex™ Respiratory Panel 1	- Flu A - Flu B - Flu A-H3 - Flu A-H1 - Flu A-H1pdm09 - RSV A - RSV B		RP10179Z RP9801Y RP9801X
Allplex™ Respiratory Panel2	- Adenovirus - Enterovirus - Metapneumovirus - PIV 1 - PIV 2 - PIV 3 - PIV 4	- Nasopharyngeal swab / aspirate - Bronchoalveolar lavage	RP10180Z RP9802Y RP9802X
Allplex™ Respiratory Panel 3	- Bocavirus - Rhinovirus - CoV 229E - CoV NL63 - CoV OC43		RP10181Z RP9601Y RP9601X
Allplex™ PneumoBacter Assay	- <i>M. pneumoniae</i> - <i>S. pneumoniae</i> - <i>C. pneumoniae</i> - <i>B. pertussis</i> - <i>B. parapertussis</i> - <i>L. pneumophila</i> - <i>H. influenzae</i>	- Sputum - Nasopharyngeal swab / aspirate - Bronchoalveolar lavage	RP10185Z RP10175Y RP10176X
Allplex™ RV Essential Assay	- Flu A - Flu B - Adenovirus - HRV - RSV A/B - PIV 1/2/3/4 - Metapneumovirus	- Nasopharyngeal swab / aspirate - Bronchoalveolar lavage	RV9750X
Anyplex™ II RB5 Detection	- <i>M. pneumoniae</i> - <i>L. pneumophila</i> - <i>B. pertussis</i> - <i>B. parapertussis</i> - <i>C. pneumoniae</i>	- Sputum (not applicable on Seegene STARlet/NIMBUS) - Nasopharyngeal swab / aspirate - Bronchoalveolar lavage	RB7500X

Tuberculosis

Product	Analytes	Specimens	Cat. No.
Allplex™ MTB/MDRe Detection	- MTB - Multi-drug resistance • Isoniazid-resistance (7 mutations) • Rifampicin-resistance (18 mutations)		TB9400X
Allplex™ MTB/XDRe Detection	- MTB - Extensive drug resistance • Fluoroquinolone resistance (7 mutations) • Injectable drug resistance (6 mutations)	- Sputum - Cultured cell - Bronchial washing	TB9500X
Allplex™ MTB/MDR/XDRe Detection	- MTB - Multi-drug resistance (25 mutations) - Extensive drug resistance (13 mutations)		TB10174X

Gastrointestinal Infection

Allplex™ GI-Virus Assay	- Norovirus GI - Norovirus GII	- Rotavirus A - Adenovirus F	- Astrovirus - Sapovirus		GI10184Z GI9701X
Allplex™ GI-Virus plus Assay	- Norovirus GI - Norovirus GII	- Rotavirus A - Adenovirus	- Astrovirus - Sapovirus		GI10186Z GI10188X
Allplex™ GI-Bacteria (I) Assay	- <i>Campylobacter</i> spp. - <i>Vibrio</i> spp. - <i>Clostridium difficile</i> toxin B	- <i>Shigella</i> spp. / EIEC - <i>Salmonella</i> spp.	- <i>Y. enterocolitica</i> - <i>Aeromonas</i> spp.		GI10201Z GI9801X
Allplex™ GI-Bacteria (II) Assay	- <i>E. coli</i> O157 - Hypervirulent <i>Clostridium difficile</i>	- STEC (stx1/2) - EAEC (aggR)	- ETEC (It/st) - EPEC (eaeA)		GI10183Z GI9702X
Allplex™ GI-Parasite Assay	- <i>G. lamblia</i> - <i>B. hominis</i>	- <i>E. histolytica</i> - <i>D. fragilis</i>	- <i>Cryptosporidium</i> spp. - <i>C. cayetanensis</i>	- Human stool	GI10202Z GI9703X
Allplex™ GI-Helminth(I) Assay	- <i>Enterocytozoon</i> spp. / <i>Encephalitozoon</i> spp. - <i>Strongyloides</i> spp. - <i>Hymenolepis</i> spp.	- <i>Ascaris</i> spp. - <i>Taenia</i> spp. - <i>T. trichiura</i>	- <i>Ancylostoma</i> spp. - <i>E. vermicularis</i> - <i>N. americanus</i>		GI10189Z GI10191X
Allplex™ GI-EB Screening Assay	- <i>Y. enterocolitica</i> - stx1/2 - <i>Salmonella</i> spp.	- <i>Campylobacter</i> spp. - <i>Shigella</i> spp. / EIEC	- <i>E. coli</i> O157 - <i>C. difficile</i> toxin A/B		GI10196Z GI10198X
Allplex™ stx1/2/2a/2d Typing*	- Shiga Toxin 1 (stx1) - Shiga Toxin 2 (stx2)	- Shiga Toxin 2a (stx2a) - Shiga Toxin 2d (stx2d)			GI10359Z GI10358X

Antimicrobial Resistance

Allplex™ MG & AziR Assay	- <i>M. genitalium</i>	- A2058G - A2058T	- A2058C - A2059G	- A2059T - A2059C	- Urine - Genital swab - Liquid based cytology	SD10319Z SD10170X
Allplex™ MG & MoxiR Assay	- <i>M. genitalium</i>	- A247C - G248T	- G248A - G259A	- G259T - G259C		SD10232Z SD10234X
Allplex™ NG & DR Assay*	- <i>N. gonorrhoeae</i>	- A2059G	- C2611T	- S91F	- Urine - Genital swab - Liquid based cytology - Oropharyngeal swab - Anorectal swab	SD10368Z SD10367X
Allplex™ Entero-DR Assay	- CPE • KPC • VIM	• NDM • IMP • OXA-48	- VRE • VanA • VanB	- ESBL • CTX-M	- Rectal swab - Bacterial colony	CR10384Z CR9700X
Allplex™ H. pylori & ClariR Assay	- <i>H. pylori</i>	- ClariR • A2142G • A2143G • A2142C			- Human stool - Gastric biopsy	HC10389Z HC10200X

Sexually Transmitted Infection

Product	Analytes			Specimens	Cat. No.
Allplex™ STI Essential Assay	- <i>C. trachomatis</i> - <i>T. vaginalis</i> - <i>N. gonorrhoeae</i>	- <i>U. urealyticum</i> - <i>M. genitalium</i>	- <i>U. parvum</i> - <i>M. hominis</i>	- Liquid based cytology - Genital swab - Urine - Semen - Anorectal swab - Oropharyngeal swab	SD10245Z SD9801X SD9801Y
Allplex™ STI Essential Assay Q (MH,UU)	- <i>C. trachomatis</i> - <i>T. vaginalis</i> - <i>N. gonorrhoeae</i>	- <i>U. urealyticum</i> (Q) - <i>M. genitalium</i>	- <i>U. parvum</i> - <i>M. hominis</i> (Q)	- Liquid based cytology - Genital swab - Urine	SD10318Z SD10201Y SD10202X
Allplex™ CT/NG/MG/TV Assay	- <i>C. trachomatis</i> - <i>T. vaginalis</i>	- <i>N. gonorrhoeae</i> - <i>M. genitalium</i>		- Liquid based cytology - Genital swab - Urine - Semen - Anorectal swab - Oropharyngeal swab	SD10317Z SD9400X
Allplex™ Genital ulcer Assay	- Lymphogranuloma venereum - Herpes simplex virus 1 - Herpes simplex virus 2	- Cytomegalovirus - Varicella-zoster virus - <i>H. ducreyi</i>	- <i>T. pallidum</i>	- Liquid based cytology - Genital swab - Urine	SD10177Z SD9802Y SD9802X
Anyplex™ II STI-7e Detection	- <i>C. trachomatis</i> - <i>N. gonorrhoeae</i> - <i>M. genitalium</i>	- <i>T. vaginalis</i> - <i>U. parvum</i>	- <i>U. urealyticum</i> - <i>M. hominis</i>		SD10323Z SD7701X

Vaginal Infection

Allplex™ Bacterial Vaginosis Assay	- <i>A. vaginae</i> (Q) - <i>G. vaginalis</i> (Q) - <i>Mobiluncus</i> spp.	- <i>Lactobacillus</i> spp.(Q) - <i>Megasphaera</i> type 1 - BV-associated bacteria 2	- <i>B. fragilis</i>	- Liquid based cytology - Genital swab	SD9804X
Allplex™ Bacterial Vaginosis plus Assay	- <i>A. vaginae</i> (Q) - <i>G. vaginalis</i> (Q) - <i>Mobiluncus</i> spp.	- <i>Lactobacillus</i> spp.(Q) - <i>Megasphaera</i> type 1 - BV-associated bacteria 2	- <i>B. fragilis</i>	- Genital swab	SD10320Z SD10159X
Allplex™ Vaginitis Screening Assay	- <i>A. vaginae</i> (Q) - <i>G. vaginalis</i> (Q) - <i>Candida</i> others	- <i>Lactobacillus</i> spp.(Q) - <i>Mobiluncus</i> spp. - <i>C. albicans</i>	- <i>T. vaginalis</i>	- Liquid based cytology - Genital swab	SD10321Z SD9750X
Allplex™ Candidiasis Assay	- <i>C. albicans</i> - <i>C. krusei</i> - <i>C. dubliniensis</i>	- <i>C. lusitanae</i> - <i>C. tropicalis</i> - <i>C. parapsilosis</i>	- <i>C. glabrata</i>	- Liquid based cytology - Genital swab - Urine	SD10178Z SD9803X

Human Papillomavirus Infection

Allplex™ HPV28 Detection*	- 19 High-risk genotypes : 16, 18, 26, 31, 33, 35, 39, 45, 51, 52	- 9 Low-risk genotypes : 6, 11, 40, 42, 43, 44, 54, 61, 70	- Cervical specimen - Self-collected vaginal specimen	HP10373Z HP10372X
Anyplex™ II HPV28 Detection	53, 56, 58, 59, 66, 68, 69, 73, 82		- Cervical specimen	HP7S00X
Allplex™ HPV HR Detection*	- 14 High-risk genotypes : 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66, 68		- Cervical specimen - Self-collected vaginal specimen	HP10371Z HP10370X
Anyplex™ II HPV HR Detection				HP7E00X

Single Nucleotide Polymorphism

Anyplex™ II Thrombosis SNP Panel Assay	- Factor II - G20210A - Factor V - R506Q - MTHFR - A1298C	- Factor V - H1299R - Factor V - Y1702C - MTHFR - C677T	- Whole blood	TS7600X
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Meningitis

Product	Analytes	Specimens	Cat. No.
Allplex™ Meningitis-V1 Assay	- Epstein-barr virus - Human herpes virus 6 - Human herpes virus 7 - Herpes simplex virus 1 - Herpes simplex virus 2 - Varicella-zoster virus - Cytomegalovirus		MG10209Z MG9700X
Allplex™ Meningitis-V2 Assay	- Parvovirus B19 - Mumps virus - Adenovirus - Enterovirus - Parechovirus	- Cerebrospinal fluid	MG10210Z MG9500X
Allplex™ Meningitis-B Assay	- <i>N. meningitidis</i> - <i>S. agalactiae</i> - <i>E. coli</i> K1 - <i>L. monocytogenes</i> - <i>H. influenzae</i> - <i>S. pneumoniae</i>		MG10211Z MG9600X

Urinary Tract Infection (Research Use Only)

Product	Analytes	Samples	Cat. No.
Novaplex™ Urinary Tract Infection 1	- <i>E. cloacae</i> complex - <i>E. coli</i> - <i>K. aerogenes</i> - <i>K. oxytoca</i> - <i>K. pneumoniae</i> - <i>P. mirabilis</i> - <i>P. vulgaris</i> - <i>P. aeruginosa</i> - <i>S. marcescens</i>		R-SR10228W
Novaplex™ Urinary Tract Infection 2	- <i>A. schaalii</i> - <i>E. faecium</i> - <i>E. faecalis</i> - <i>C. albicans</i> - <i>Candida</i> others - <i>S. agalactiae</i> - <i>S. epidermidis</i> - <i>S. saprophyticus</i> - <i>S. aureus</i>	- Urine	R-SD10240W
Novaplex™ Urinary Tract Infection 3	- <i>A. baumannii</i> - <i>A. urinae</i> - <i>C. freundii</i> - <i>C. koseri</i> - <i>C. urealyticum</i> - <i>M. morgani</i> - <i>P. agglomerans</i> - <i>P. stuartii</i> - <i>S. anginosus</i>		R-SD10241W

Vector-borne Disease (Research Use Only)

Novaplex™ Tick-borne Disease Assay	- <i>B. mayonii</i> - <i>B. burgdoferi sensu stricto</i> - <i>B. duncani</i> - <i>B. microti</i> - <i>B. miyamotoi</i> - <i>Rickettsia</i> spp. - <i>A. phagocytophilum</i> - <i>E. ewingii</i> - <i>E. chaffeensis</i>		R-TD9900W R-TD9900Y
Novaplex™ Tick-borne Disease Expanded Assay*	- <i>Rickettsia</i> spp. - <i>B. miyamotoi</i> - <i>Ehrlichia</i> spp. - <i>A. Phagocytophilum</i> - <i>Babesia</i> spp. - <i>Coxiella burnetii</i> - <i>Bartonella</i> spp. - Tick-borne encephalitis virus - <i>B. burdorferi sensu lato</i> complex	- Whole blood	-
Novaplex™ Malaria Assay*	- <i>Plasmodium vivax</i> - <i>Plasmodium ovale</i> - <i>Plasmodium falciparum</i> - <i>Plasmodium malariae</i> - <i>Plasmodium knowlesi</i>	- Whole blood	-
Novaplex™ Tropical fever virus Assay	- Dengue virus - Chikungunya virus - Zika virus - West Nile virus	-	R-TF10207Y R-TF10208W

Monkeypox (Research Use Only)

Novaplex™ MPXV Assay	- Monkeypox virus (MPXV)	-	R-PX10325Z R-PX10324X
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Streptococcal Infection (Research Use Only)

Novaplex™ GBS Typing Assay	- GBS screening - GBS serotype Ia - GBS serotype Ib - GBS serotype II - GBS serotype III - GBS serotype IV - GBS serotype V - Others (GBS serotype VII, VIII, IX)	- Bacterial colony	R-SD10256Z R-SD10255X
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Fungal Infection (Research Use Only)

Novaplex™ Dermatophyte Assay	- <i>T. mentagrophytes</i> complex - <i>T. rubrum</i> complex - <i>T. tonsurans</i> - <i>Microsporium</i> spp. - <i>E. floccosum</i> - <i>C. albicans</i>	- Skin - Nail - Hair	R-DE10261X
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Seegene high multiplex real-time PCR assays

Syndromic tests using high multiplex PCR technology

Detect and identify causative pathogens of infectious diseases that show similar symptoms

Cover all fields of molecular diagnostics

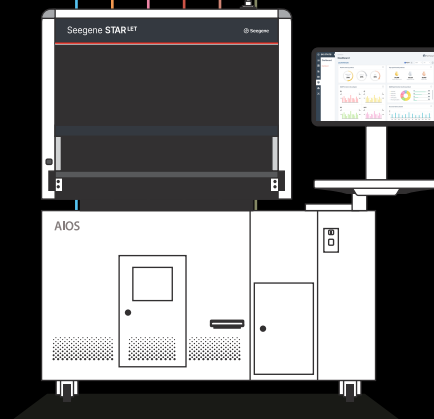
Expanded MDx product lineup includes respiratory, sexually transmitted, gastrointestinal infections, antimicrobial resistance, and more

Compatible with Seegene's automation system

All assays are compatible with one streamlined system that provides a fully automated workflow



ATCG



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