Seegene MDx Assay Portfolio

Respiratory Infection
COVID-19

Tuberculosis

Gastrointestinal Infection

Healthcare Associated Infection

Meningitis

Sexually Transmitted Infection
Vaginitis

Human Papillomavirus Infection

Single Nucleotide Polymorphism

Streptococcal Infection

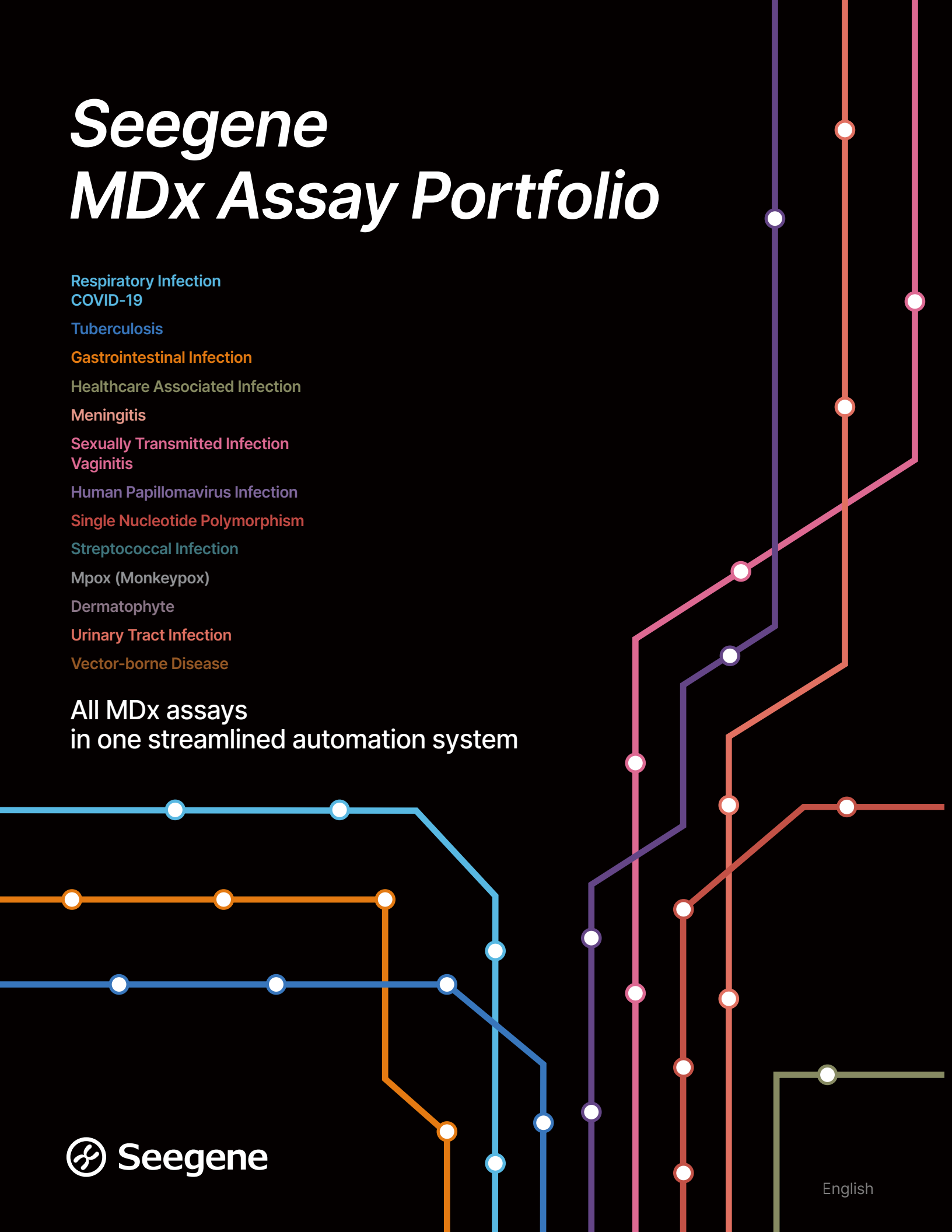
Mpox (Monkeypox)

Dermatophyte

Urinary Tract Infection

Vector-borne Disease

All MDx assays
in one streamlined automation system



Seegene

English

Seegene
high multiplex real-time PCR assays

Respiratory Infection

- Allplex™ RV Master Assay
- Allplex™ SARS-CoV-2/FluA/FluB/RSV Assay
- Allplex™ Respiratory Panel 1A
- Allplex™ Respiratory Panel 2
- Allplex™ Respiratory Panel 3
- Allplex™ PneumoBacter Assay

COVID-19

- Allplex™ SARS-CoV-2 fast PCR Assay
- Allplex™ SARS-CoV-2 Assay

Tuberculosis

- Allplex™ MTB/MDRe Detection
- Allplex™ MTB/XDRe Detection
- Allplex™ MTB/MDR/XDRe Detection
- Anyplex™ MTB/NTMe Detection

Gastrointestinal Infection

- Allplex™ GI-Virus Assay
- Allplex™ GI-Bacteria (I) Assay
- Allplex™ GI-Bacteria (II) Assay
- Allplex™ GI-Parasite Assay
- Allplex™ GI-Helminth (I) Assay
- Allplex™ GI-EB Screening Assay
- Allplex™ H. pylori & ClariR Assay

Healthcare Associated Infection

- Allplex™ Entero-DR Assay

Meningitis

- Allplex™ Meningitis-V1 Assay
- Allplex™ Meningitis-V2 Assay
- Allplex™ Meningitis-B Assay

Sexually Transmitted Infection

- Allplex™ STI Essential Assay
- Allplex™ STI Essential Assay Q(MH,UU)
- Allplex™ CT/NG/MG/TV Assay
- Allplex™ Genital ulcer Assay
- Anyplex™ II STI-7e Detection
- Allplex™ MG & AziR Assay
- Allplex™ MG & MoxiR Assay
- Allplex™ NG & DR Assay

Vaginitis

- Allplex™ Vaginitis Screening Assay
- Allplex™ Bacterial Vaginosis *plus* Assay
- Allplex™ Candidiasis Assay

Human Papillomavirus Infection

- Allplex™ HPV HR Detection
- Allplex™ HPV 28 Detection
- Anyplex™ II HPV HR Detection

Single Nucleotide Polymorphism

- Anyplex™ II Thrombosis SNP Panel Assay

Streptococcal Infection

- Novaplex™ GBS Typing Assay

Mpox (Monkeypox)

- Novaplex™ MPXV/OPXV Assay
- Novaplex™ MPXV/OPXV plus Assay
- Novaplex™ HSV-1&2/VZV/MPXV Assay

Dermatophyte

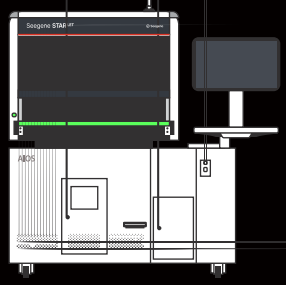
- Novaplex™ Dermatophyte Assay

Urinary Tract Infection

- Novaplex™ Urinary Tract Infection 1
- Novaplex™ Urinary Tract Infection 2
- Novaplex™ Urinary Tract Infection 3

Vector-borne Disease

- Novaplex™ Tropical fever virus Assay
- Novaplex™ Malaria Assay
- Novaplex™ Tick-borne Disease Assay
- Novaplex™ Tick-borne Disease Expanded Assay



Seegene STARlet-AIOS™

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

Cover all fields of molecular diagnostics

- Respiratory Infection
- COVID-19
- Tuberculosis
- Gastrointestinal Infection
- Healthcare Associated Infection
- Meningitis
- Sexually Transmitted Infection
- Vaginitis
- Human Papillomavirus Infection
- Single Nucleotide Polymorphism
- Streptococcal Infection
- Mpox (Monkeypox)
- Dermatophyte
- Urinary Tract Infection
- Vector-borne Disease

Novaplex™ product line should be for Research Use Only.

Respiratory Infection

Product	Analytes	Specimens	Cat. No.
Allplex™ RV Master Assay	- SARS-CoV-2 (N/S gene) - SARS-CoV-2 (RdRp gene) - Adenovirus - Parainfluenza virus - Human rhinovirus - Influenza A virus - Influenza B virus - Metapneumovirus - Respiratory syncytial virus	- Nasopharyngeal swab / aspirate - Bronchoalveolar lavage - Saliva* - Combo-swab (nasal and oral swab)* * Validated with SARS-CoV-2 only	RV10363Z RV10307X
Allplex™ SARS-CoV-2/ FluA/FluB/RSV Assay	- SARS-CoV-2 (N gene) - SARS-CoV-2 (S gene) - SARS-CoV-2 (RdRp gene) - Respiratory syncytial virus A - Respiratory syncytial virus B - Influenza A virus - Influenza B virus	- Sputum - Saliva - Nasopharyngeal swab / aspirate - Bronchoalveolar lavage - Nasal and oral swab (Combo-swab)	RV10349Z RV10259X
Allplex™ Respiratory Panel 1A	- Influenza A virus - Influenza A-H1 - Influenza A-H1pdm09 - Influenza A-H3 - Influenza B virus - Respiratory syncytial virus A - Respiratory syncytial virus B	- Nasopharyngeal swab / aspirate - Bronchoalveolar lavage	RP10231Z RP9702Y RP9702X
Allplex™ Respiratory Panel 2	- Adenovirus - Enterovirus - Metapneumovirus - Parainfluenza virus 1/2/3/4		RP10180Z RP9802Y RP9802X
Allplex™ Respiratory Panel 3	- Bocavirus 1/2/3/4 - Human rhinovirus - Coronavirus 229E - Coronavirus NL63 - Coronavirus OC43		RP10181Z RP9601Y RP9601X
Allplex™ PneumoBacter Assay	- *M. pneumoniae* - *S. pneumoniae* - *C. pneumoniae* - *B. pertussis* - *B. parapertussis* - *L. pneumophila* - *H. influenzae*	- Sputum - Nasopharyngeal swab / aspirate - Bronchoalveolar lavage	PB10185Z PB10175Y PB10176X

COVID-19

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 gene) - *Sarbecovirus* (E gene)	- Sputum - Saliva - Oropharyngeal swab - Nasopharyngeal swab / aspirate - Bronchoalveolar lavage	RV10248X

Tuberculosis

Allplex™ MTB/MDRe Detection	- *M. tuberculosis*	- Multi-drug resistance • Isoniazid-resistance (7 mutations) • Rifampicin-resistance (18 mutations)	TB10386Z TB9400X
Allplex™ MTB/XDRe Detection	- *M. tuberculosis*	- Extensive drug resistance • Fluoroquinolone resistance (7 mutations) • Injectable drug resistance (6 mutations)	TB10387Z TB9500X
Allplex™ MTB/MDR/XDRe Detection	- *M. tuberculosis*	- Multi-drug resistance (25 mutations) - Extensive drug resistance (13 mutations)	TB10385Z TB10174X
Anyplex™ MTB/NTMe Detection	- *M. tuberculosis*	- Non-tuberculosis mycobacteria	TB10383Z TB7202X

- Sputum
- Cultured cell
- Fresh tissue
- Bronchial washing

Gastrointestinal Infection

Product	Analytes	Specimens	Cat. No.
Allplex™ GI-Virus Assay	- Norovirus GI - Norovirus GII - Rotavirus A - Adenovirus F - Astrovirus - Sapovirus	- Human stool	GI10184Z GI9701X
Allplex™ GI-Bacteria (I) Assay	- *Campylobacter* spp. - *Vibrio* spp. - *C. difficile* toxin B - *Shigella* spp. / EIEC - *Salmonella* spp. - *Y. enterocolitica* - *Aeromonas* spp.		GI10201Z GI9801X
Allplex™ GI-Bacteria (II) Assay	- *E. coli* O157 - Hypervirulent *C. difficile* - STEC (*stx1/2*) - EAEC (*aggR*) - ETEC (*lt/st*) - EPEC (*eaeA*)		GI10183Z GI9702X
Allplex™ GI-Parasite Assay	- *G. lamblia* - *B. hominis* - *E. histolytica* - *D. fragilis* - *Cryptosporidium* spp. - *C. cayetanensis*		GI10202Z GI9703Y GI9703X
Allplex™ GI-Helminth (I) Assay	- *Enterocytozoon* spp. / *Encephalitozoon* spp. - *Strongyloides* spp. - *Hymenolepis* spp. - *Ascaris* spp. - *Taenia* spp. - *T. trichiura* - *Ancylostoma* spp. - *E. vermicularis* - *N. americanus*		GI10189Z GI10190Y GI10191X
Allplex™ GI-EB Screening Assay	- *E. coli* O157 - *Y. enterocolitica* - STEC (*stx1/2*) - *Salmonella* spp. - *Campylobacter* spp. - *Shigella* spp. / EIEC - *C. difficile* toxin A/B		GI10196Z GI10198X
Allplex™ H. pylori & ClariR Assay	- *H. pylori* - ClariR • A2142G • A2143G • A2142C	- Human stool - Gastric biopsy	HC10389Z HC10200X

Healthcare Associated Infection

Product	Analytes	Specimens	Cat. No.
Allplex™ Entero-DR Assay	- Carbapenemase genes • KPC • VIM • NDM • IMP • OXA-48 - Vancomycin resistance genes • VanA • VanB - Extended Spectrum Beta-Lactamase (ESBL) gene • CTX-M	- Rectal swab - Bacterial colony	CR10384Z CR9700X

Meningitis

Product	Analytes	Specimens	Cat. No.
Allplex™ Meningitis-V1 Assay	- Epstein-barr virus - Human herpes virus 6 - Human herpes virus 7 - Cytomegalovirus - Herpes simplex virus 1 - Herpes simplex virus 2 - Varicella-zoster virus	- Cerebrospinal fluid	MG10209Z MG9700Y MG9700X
Allplex™ Meningitis-V2 Assay	- Parvovirus B19 - Mumps virus - Adenovirus - Adenovirus - Enterovirus - Parechovirus		MG10210Z MG9500Y MG9500X
Allplex™ Meningitis-B Assay	- *N. meningitidis* - *S. agalactiae* - *E. coli* K1 - *L. monocytogenes* - *H. influenzae* - *S. pneumoniae*		MG10211Z MG9600Y MG9600X

Sexually Transmitted Infection

Product	Analytes	Specimens	Cat. No.
Allplex™ STI Essential Assay	- *C. trachomatis* - *T. vaginalis* - *N. gonorrhoeae* - *U. urealyticum* - *M. genitalium* - *U. parvum* - *M. hominis*	- Liquid based cytology - Genital swab - Urine - Semen - Anorectal swab - Oropharyngeal swab	SD10245Z SD9801Y SD9801X
Allplex™ STI Essential Assay Q (MH,UU)	- *C. trachomatis* - *T. vaginalis* - *N. gonorrhoeae* - *U. urealyticum*(Q) - *M. genitalium* - *U. parvum* - *M. hominis*(Q)	- Liquid based cytology - Genital swab - Urine	SD10318Z SD10201Y SD10202X
Allplex™ CT/NG/MG/TV Assay	- *C. trachomatis* - *T. vaginalis* - *N. gonorrhoeae* - *M. genitalium*	- 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 - *H. ducreyi* - *T. pallidum*	- Liquid based cytology - Genital swab - Urine	SD10177Z SD9802Y SD9802X
Anyplex™ II STI-7e Detection	- *C. trachomatis* - *N. gonorrhoeae* - *M. genitalium* - *T. vaginalis* - *U. parvum* - *U. urealyticum* - *M. hominis*		SD10323Z SD7701X
Allplex™ MG & AziR Assay	- *M. genitalium* - A2058G - A2058T - A2058C - A2059G - A2059T - A2059C	- Urine - Genital swab - Liquid based cytology	SD10319Z SD10169Y SD10170X
Allplex™ MG & MoxiR Assay	- *M. genitalium* - A247C - G248T - G248A - G259A - G259T - G259C		SD10232Z SD10233Y SD10234X
Allplex™ NG & DR Assay	- *N. gonorrhoeae* (NG1) - *N. gonorrhoeae* (NG2) - C2611T - A2059G - S91F	- Urine - Genital swab - Liquid based cytology - Oropharyngeal swab - Anorectal swab	SD10368Z SD10367X

Vaginitis

Product	Analytes	Specimens	Cat. No.
Allplex™ Vaginitis Screening Assay	- *A. vaginae*(Q) - *G. vaginalis*(Q) - *Candida* others - *Lactobacillus* spp.(Q) - *Mobiluncus* spp. - *C. albicans* - *T. vaginalis*	- Liquid based cytology - Genital swab	SD10321Z SD9750X
Allplex™ Bacterial Vaginosis *plus* Assay	- *A. vaginae*(Q) - *G. vaginalis*(Q) - *Mobiluncus* spp. - *Lactobacillus* spp.(Q) - *Megasphaera* type 1 - BV-associated bacteria 2 - *B. fragilis*	- Genital swab	SD10320Z SD10159X
Allplex™ Candidiasis Assay	- *C. albicans* - *C. krusei* - *C. dubliniensis* - *C. lusitaniae* - *C. tropicalis* - *C. parapsilosis* - *C. glabrata*	- Liquid based cytology - Genital swab - Urine	SD10178Z SD9803X

Human Papillomavirus Infection

Product	Analytes	Specimens	Cat. No.
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
Allplex™ HPV28 Detection	- 19 High-risk genotypes : 16, 18, 26, 31, 33, 35, 39, 45, 51, 52 53, 56, 58, 59, 66, 68, 69, 73, 82 - 9 Low-risk genotypes : 6, 11, 40, 42, 43, 44, 54, 61, 70		HP10373Z HP10372X
Anyplex™ II HPV HR Detection	- 14 High-risk genotypes : 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66, 68		HP7E00X

(Q): Quantitative

Single Nucleotide Polymorphism

Product	Analytes	Specimens	Cat. No.
Anyplex™ II **Thrombosis SNP Panel Assay**	- Factor II • G20210A • G20210G - Factor V • H1299R • H1299Q • H1299H • R506R • Y1702C • Y1702Y - MTHFR • C677T • C677C • A1298C • A1298A	- Whole blood	TS10390Z TS7600Y TS7600X

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 VI - GBS serotype V - Others (GBS serotype VII, VIII, IX)	- Bacterial colony	R-SD10256Z R-SD10255X

Mpox (Monkeypox) (Research Use Only)

Novaplex™ **MPXV/OPXV Assay**	- Monkeypox virus - Endo IC - Non-variola *Orthopoxvirus* - Exo IC	- Skin dry swab - Skin lesion swab in VTM - Buccal swab	R-PX70606Z R-PX70603X
Novaplex™ **MPXV/OPXV plus Assay**	- Monkeypox virus - Monkeypox Virus Clade I - Exo IC - Non-variola *Orthopoxvirus* - Endo IC	- Skin dry swab - Skin lesion swab in VTM - Buccal swab	R-PX70608Z R-PX70607X
Novaplex™ **HSV-1&2/VZV/MPXV Assay**	- Herpes simplex virus types 1&2 - Varicella-zoster virus - Endo IC - Monkeypox virus clades I&II - Monkeypox virus clade II confirmation - Exo IC	- Cutaneous lesions swab(s) - Mucocutaneous lesions swab(s)	R-HM70605Z R-HM70604X

Dermatophyte (Research Use Only)

Novaplex™ **Dermatophyte Assay**	- *T. mentagrophytes* complex - *T. rubrum* complex - *T. tonsurans* - *Microsporum* spp. - *E. floccosum* - *C. albicans*	- Skin - Nail - Hair	R-DE10261X

Urinary Tract Infection (Research Use Only)

Novaplex™ **Urinary Tract Infection 1**	- *E. cloacae* complex - *E. coli* - *K. aerogenes* - *K. oxytoca* - *K. pneumoniae* - *P. mirabilis* - *P. vulgaris* - *P. aeruginosa* - *S. marcescens*	- Urine	R-SR10228W
Novaplex™ **Urinary Tract Infection 2**	- *A. schaalii* - *E. faecium* - *E. faecalis* - *C. albicans* - *Candida* others - *S. agalactiae* - *S. epidermidis* - *S. saprophyticus* - *S. aureus*		R-SD10240W
Novaplex™ **Urinary Tract Infection 3**	- *A. baumannii* - *A. urinae* - *C. freundii* - *C. koseri* - *C. urealyticum* - *M. morganii* - *P. agglomerans* - *P. stuartii* - *S. anginosus*		R-SD10241W

Vector-borne Disease (Research Use Only)

Novaplex™ **Tropical fever virus Assay**	- Dengue virus - Chikungunya virus - Zika virus - West Nile virus	- Not specified	R-TF10207Y R-TF10208W
Novaplex™ **Malaria Assay**	- *P. vivax* - *P. ovale* - *P. falciparum* - *P. malariae* - *P. knowlesi*	- Whole blood	R-VB10369W
Novaplex™ **Tick-borne Disease Assay**	- *B. mayonii* - *B. burgdoferi sensu stricto* - *B. duncani* - *B. microti* - *B. miyamotoi* - *Rickettsia* spp. - *A. phagocytophilum* - *E. ewingii* - *E. chaffeensis*	- Whole blood	R-TD9900W R-TD9900Y
Novaplex™ **Tick-borne Disease Expanded Assay**	- *Rickettsia* spp. - *B. miyamotoi* - *Ehrlichia* spp. - *A. phagocytophilum* - *Babesia* spp. - *C. burnetii* - *Bartonella* spp. - Tick-borne encephalitis virus - *B. burgdorferi sensu lato* complex	- Tissue - Cerebrospinal fluid	R-VB10378Z R-VB10377X

Seegene high multiplex real-time PCR assays

Syndromic tests using high multiplex PCR technology

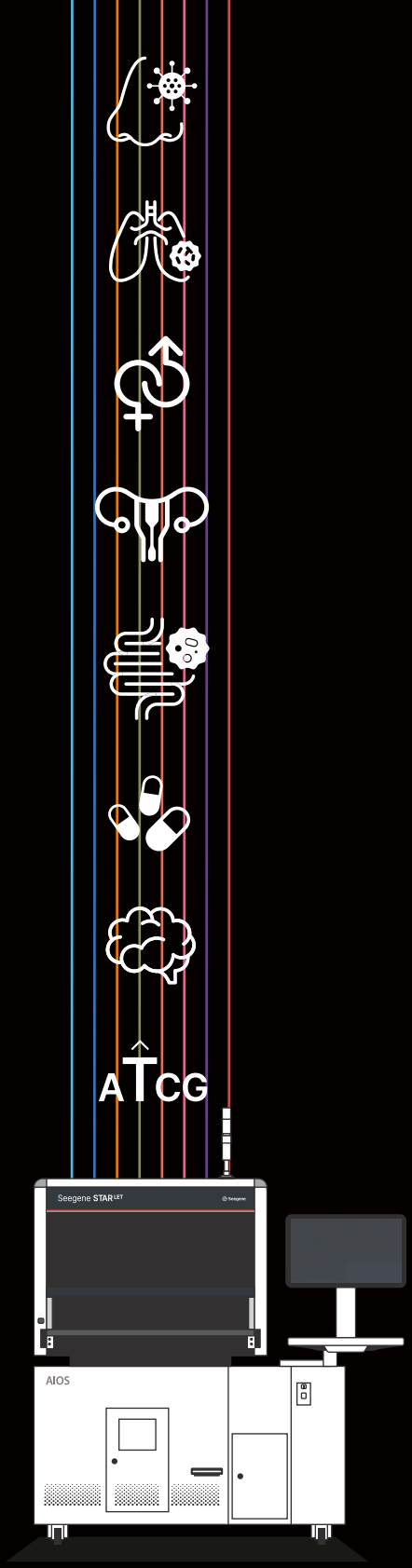
Detect and identify causative pathogens of infectious diseases that show similar symptoms

Cover all fields of molecular diagnostics

Expanded MDx assay portfolio 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



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