



Cowingene PCR Reagent

- ✓ Liquid
- ✓ Lyophilized



Cat. No.	Product Name	Target	Package	Certificate	Status
HP01021X	Cowingene HPV (2+16) Detection Kit	16, 18 typing and other 16 high-risk types (26, 31, 33, 35, 39, 45, 51, 52, 53, 56, 58, 59, 66, 68, 73, 82)	48 tests/kit	CE	Liquid
HP01022X	Cowingene HPV (2+16) Detection Kit		48 tests/kit	CE	Lyophilized
HP02021X	Cowingene HPV (2+12) Detection Kit	16, 18 typing and other 12 high-risk types (31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66, 68)	48 tests/kit	CE	Liquid
HP02022X	Cowingene HPV (2+12) Detection Kit		48 tests/kit	CE	Lyophilized
HP11021X	Cowingene HPV 6/11 Detection Kit	6, 11	48 tests/kit	CE	Liquid
HP03021V	Cowingene HPV 15 Genotyping Detection Kit		20 tests/kit	CE	Liquid
HP03021Y	Cowingene HPV 15 Genotyping Detection Kit	16, 18, 31, 33, 35, 39, 45, 51, 52, 53, 56, 58, 59, 66, 68	50 tests/kit	CE	Liquid
HP03022U	Cowingene HPV 15 Genotyping Detection Kit		16 tests/kit	CE	Lyophilized
HP03022X	Cowingene HPV 15 Genotyping Detection Kit		48 tests/kit	CE	Lyophilized
HP04021V	Cowingene HPV 28 Genotyping Detection Kit		20 tests/kit	CE	Liquid
HP04021Y	Cowingene HPV 28 Genotyping Detection Kit	6, 11, 16, 18, 26, 31, 33, 35, 39, 40, 42, 43, 44, 45, 51, 52, 53, 54, 56, 58, 59, 61, 66, 68, 73, 81, 82, 83	50 tests/kit	CE	Liquid
HP04022S	Cowingene HPV 28 Genotyping Detection Kit		8 tests/kit	CE	Lyophilized
HP04022X	Cowingene HPV 28 Genotyping Detection Kit		48 tests/kit	CE	Lyophilized
HP05021X	Cowingene HPV 15 E6/E7 Gene mRNA Detection Kit	16, 18, 31, 33, 35, 39, 45, 51, 52, 53, 56, 58, 59, 66, 68	48 tests/kit	CE	Liquid
HP05022X	Cowingene HPV 15 E6/E7 Gene mRNA Detection Kit		48 tests/kit	CE	Lyophilized
HP13021V	Cowingene HPV Genotyping Detection Kit-HPV-40 Panel	15 high-risk HPV types: 16, 18, 31, 33, 35, 39, 45, 51, 52, 53, 56, 58, 59, 66, 68; 2 low-risk HPV types: 6, 11; and other 23 low-risk HPV types: 26, 30, 32, 34, 40, 42, 43, 44, 54, 55, 61, 62, 67, 69, 70, 73, 74, 81, 82, 83, 84, 87, and 90	20 tests/kit	CE	Liquid
HP13021Y	Cowingene HPV Genotyping Detection Kit-HPV-40 Panel		50 tests/kit	CE	Liquid
HP13022S	Cowingene HPV Genotyping Detection Kit-HPV-40 Panel		8 tests/kit	CE	Lyophilized
HP13022X	Cowingene HPV Genotyping Detection Kit-HPV-40 Panel		48 tests/kit	CE	Lyophilized
HP14025V	Cowingene HPV Genotyping Pro Detection Kit	HPV 6, 11, 16, 18, 26, 30, 31, 33, 34, 35, 39, 40, 42, 43, 44, 45, 51, 52, 53, 54, 56, 58, 59, 61, 66, 67, 68, 69, 70, 71, 72, 73, 74, 81, 83, 85, 86, 87, 82, 89, 90, 91, and 97.	20 tests/kit	CE	Liquid
HP14025Y	Cowingene HPV Genotyping Pro Detection Kit		50 tests/kit	CE	Liquid

Sexually Transmitted Infections



Cat. No.	Product Name	Target	Package	Certificate	Status
ST01021V	Cowingene 14 Kinds of Sexually Transmitted Infection Detection Kit	CT, NG, MH, HSV1, UU HSV2, UP, MG, CA, GV TV, GBS, HD, TP	20 tests/kit	CE	Liquid
ST01021Y	Cowingene 14 Kinds of Sexually Transmitted Infection Detection Kit		50 tests/kit	CE	Liquid
ST01022U	Cowingene 14 Kinds of Sexually Transmitted Infection Detection Kit		16 tests/kit	CE	Lyophilized
ST01022X	Cowingene 14 Kinds of Sexually Transmitted Infection Detection Kit		48 tests/kit	CE	Lyophilized
ST17021V	Cowingene STI Multiplex Pro Detection Kit	STI Essential Assay: CT/NG/TV/MG/MH/UU/ UP/GBS/CAN/GV/IC Genital ulcer Assay: CMV/HD/ HSV1/HSV2/TP/VZV/LV/IC Candidiasis Assay: Candida glabrata/Candida krusei/Candida parapsilgsis/ Candida tropicalis	20 tests/kit	CE	Liquid
ST17021Y	Cowingene STI Multiplex Pro Detection Kit		50 tests/kit	CE	Liquid
ST17021V-1	Cowingene STI Multiplex Pro Detection Kit	STI Essential Assay: CT/NG/TV/MG/MH/UU/ UP/GBS/CAN/GV/IC	20 tests/kit	CE	Liquid
ST17021Y-1	Cowingene STI Multiplex Pro Detection Kit		50 tests/kit	CE	Liquid
ST17021V-2	Cowingene STI Multiplex Pro Detection Kit	Genital ulcer Assay: CMV/HD/HSV1/HSV2/T- P/VZV/LV/IC	20 tests/kit	CE	Liquid
ST17021Y-2	Cowingene STI Multiplex Pro Detection Kit		50 tests/kit	CE	Liquid
ST17021V-3	Cowingene STI Multiplex Pro Detection Kit	STI Essential Assay: CT/NG/TV/MG/MH/UU/ UP/GBS/CAN/GV/IC Genital ulcer Assay: CMV/ HD/HSV1/HSV2/TP/VZV/ LV/IC	20 tests/kit	CE	Liquid
ST17021Y-3	Cowingene STI Multiplex Pro Detection Kit		50 tests/kit	CE	Liquid
ST17022U	Cowingene STI Multiplex Pro Detection Kit	STI Essential Assay: CT/NG/ TV/MG/MH/UU/UP/GBS/ CAN/GV/IC Genital ulcer Assay: CMV/HD/ HSV1/HSV2/TP/VZV/LV/IC Candidiasis Assay: Candida glabrata/Candida krusei/Candida parapsilgsis/ Candida tropicalis	16 tests/kit	CE	Lyophilized
ST17022X	Cowingene STI Multiplex Pro Detection Kit		48 tests/kit	CE	Lyophilized

Cat. No.	Product Name	Target	Package	Certificate	Status
ST17022U-1	Cowingene STI Multiplex Pro Detection Kit	STI Essential Assay: CT/NG/ TV/MG/MH/UU/UP/GBS/ CAN/GV/IC	16 tests/kit	CE	Lyophilized
ST17022X-1	Cowingene STI Multiplex Pro Detection Kit		48 tests/kit	CE	Lyophilized
ST17022U-2	Cowingene STI Multiplex Pro Detection Kit	Genital ulcer Assay: CMV/HD/ HSV1/HSV2/TP/VZV/LV/IC	16 tests/kit	CE	Lyophilized
ST17022X-2	Cowingene STI Multiplex Pro Detection Kit		48 tests/kit	CE	Lyophilized
ST17022U-3	Cowingene STI Multiplex Pro Detection Kit	STI Essential Assay: CT/NG/ TV/MG/MH/UU/UP/GBS/ CAN/GV/IC Genital ulcer Assay: CMV/HD/ HSV1/HSV2/TP/VZV/LV/IC	16 tests/kit	CE	Lyophilized
ST17022X-3	Cowingene STI Multiplex Pro Detection Kit		48 tests/kit	CE	Lyophilized
ST04011X	Cowingene Chlamydia Trachomatis, Neisseria Gonorrhoeae and Mycoplasma Genitalium Detection Kit		48 tests/kit		Liquid
ST04012X	Cowingene Chlamydia Trachomatis, Neisseria Gonorrhoeae and Mycoplasma Genitalium Detection Kit		48 tests/kit		Lyophilized
ST05011X	Cowingene Herpes Simplex Virus 1/2 Detection Kit		48 tests/kit	CE	Liquid
ST05012X	Cowingene Herpes Simplex Virus 1/2 Detection Kit		48 tests/kit	CE	Lyophilized
ST06011X	Cowingene Group B Streptococcus Detection Kit		48 tests/kit	CE	Liquid
ST06012X	Cowingene Group B Streptococcus Detection Kit		48 tests/kit	CE	Lyophilized
ST07011X	Cowingene Monkeypox Virus Detection Kit		48 tests/kit	CE	Liquid
ST07012X	Cowingene Monkeypox Virus Detection Kit		48 tests/kit	CE	Lyophilized
ST08011X	Cowingene Monkeypox Virus Typing Detection Kit		48 tests/kit	CE	Liquid
ST08012X	Cowingene Monkeypox Virus Typing Detection Kit		48 tests/kit	CE	Lyophilized
ST14021X	Cowingene STI Multiplex Detection Kit-STI 3	CT, NG, TV	48 tests/kit		Liquid
ST14022X	Cowingene STI Multiplex Detection Kit-STI 3		48 tests/kit		Lyophilized
ST13021W	Cowingene STI Multiplex Detection Kit-STI 7	CT, NG, MH, MG UU, UP, TV	24 tests/kit		Liquid
ST13021X	Cowingene STI Multiplex Detection Kit-STI 7		48 tests/kit		Liquid
ST13022U	Cowingene STI Multiplex Detection Kit-STI 7		16 tests/kit		Lyophilized
ST13022X	Cowingene STI Multiplex Detection Kit-STI 7		48 tests/kit		Lyophilized
ST02011X	Cowingene Chlamydia Trachomatis Detection Kit		48 tests/kit		Liquid
ST02012X	Cowingene Chlamydia Trachomatis Detection Kit		48 tests/kit		Lyophilized
ST03011X	Cowingene Chlamydia Trachomatis and Neisseria Gonorrhoeae Detection Kit		48 tests/kit		Liquid
ST03012X	Cowingene Chlamydia Trachomatis and Neisseria Gonorrhoeae Detection Kit		48 tests/kit		Lyophilized
ST09011X	Cowingene Ureaplasma Urealyticum Detection Kit		48 tests/kit		Liquid
ST09012X	Cowingene Ureaplasma Urealyticum Detection Kit		48 tests/kit		Lyophilized
ST16011X	Cowingene Treponema Pallidum Detection Kit		48 tests/kit		Liquid
ST16012X	Cowingene Treponema Pallidum Detection Kit		48 tests/kit		Lyophilized

Respiratory Infections

Cat. No.	Product Name	Target	Package	Certificate	Status
RP26021V	Cowingene Respiratory Pathogen Panel Pro Detection Kit	RPP Pro : 1. FluA, FluB, RSV, IC 2. MP, AdV, SARS2, MPV 3. HRV/EV, BoV, CoV3 4. PIV1, PIV2, PIV3, PIV4 5. BP, KP, HI, SP 6. SA, CP, LP, PA	20 tests/kit	CE	Liquid
RP26021Y	Cowingene Respiratory Pathogen Panel Pro Detection Kit		50 tests/kit	CE	Liquid
RP26022U	Cowingene Respiratory Pathogen Panel Pro Detection Kit		16 tests/kit	CE	Lyophilized
RP26022X	Cowingene Respiratory Pathogen Panel Pro Detection Kit		48 tests/kit	CE	Lyophilized
RP26021V-1	Cowingene Respiratory Pathogen Panel Pro Detection Kit	RPP Mini: 1. FluA, FluB, RSV, IC 2. MP, AdV, SARS2, MPV 3. HRV/EV, BoV, CoV3 4. PIV1, PIV2, PIV3, PIV4	20 tests/kit	CE	Liquid
RP26021Y-1	Cowingene Respiratory Pathogen Panel Pro Detection Kit		50 tests/kit	CE	Liquid
RP26022U-1	Cowingene Respiratory Pathogen Panel Pro Detection Kit		16 tests/kit	CE	Lyophilized
RP26022X-1	Cowingene Respiratory Pathogen Panel Pro Detection Kit		48 tests/kit	CE	Lyophilized
RP23021V	Cowingene Respiratory Pathogen Panel 21 Detection Kit	Flu A, Flu B, Flu A H1, Flu A H3, MPV, RSV, AdV, HPeV, MP, HRV, EV, HBoV, SARS2, PIV 1, PIV 2, PIV 3, PIV 4, CoV, CoV 229E, CoV OC43, CoV NL63, Cov HKU1, MERS	20 tests/kit	CE	Liquid
RP23021Y	Cowingene Respiratory Pathogen Panel 21 Detection Kit		50 tests/kit	CE	Liquid
RP23022U	Cowingene Respiratory Pathogen Panel 21 Detection Kit		16 tests/kit	CE	Lyophilized
RP23022X	Cowingene Respiratory Pathogen Panel 21 Detection Kit		48 tests/kit	CE	Lyophilized
RPO3021X	Cowingene Influenza A/B and RSV Detection Kit		48 tests/kit	CE	Liquid
RPO3022X	Cowingene Influenza A/B and RSV Detection Kit		48 tests/kit	CE	Lyophilized
RP11021X	Cowingene SARS-CoV-2 & Influenza A/B Detection Kit		48 tests/kit	CE	Liquid
RP11022X	Cowingene SARS-CoV-2 & Influenza A/B Detection Kit		48 tests/kit	CE	Lyophilized
RPO4021X	Cowingene SARS-CoV-2, Influenza A/B and RSV Detection Kit		48 tests/kit		Liquid
RPO4022X	Cowingene SARS-CoV-2, Influenza A/B and RSV Detection Kit		48 tests/kit		Lyophilized
RP14021W	Cowingene Respiratory Pathogen Panel Detection Kit	Flu A, Flu B, MPV, RSV, AdV, MP, SARS2	24 tests/kit	CE	Liquid
RP14022U	Cowingene Respiratory Pathogen Panel Detection Kit		16 tests/kit	CE	Lyophilized
RPO5021X	Cowingene Respiratory Syncytial Virus Detection Kit		48 tests/kit		Liquid
RPO5022X	Cowingene Respiratory Syncytial Virus Detection Kit		48 tests/kit		Lyophilized
RPO6021X	Cowingene Influenza A/B Detection Kit		48 tests/kit		Liquid
RPO6022X	Cowingene Influenza A/B Detection Kit		48 tests/kit		Lyophilized
RPO7021X	Cowingene Chlamydia Pneumoniae Detection Kit		48 tests/kit		Liquid

Cat. No.	Product Name	Target	Package	Certificate	Status
RP09022X	Cowingene Legionella Pneumophila Detection Kit		48 tests/kit		Lyophilized
RP10021X	Cowingene Middle East Respiratory Syndrome Coronavirus Detection Kit		48 tests/kit		Liquid
RP10022X	Cowingene Middle East Respiratory Syndrome Coronavirus Detection Kit		48 tests/kit		Lyophilized
RP15021X	Cowingene Human Metapneumovirus Detection Kit		48 tests/kit		Liquid
RP18011X	Cowingene Measles Virus and Rubella Virus Detection Kit		48 tests/kit		Liquid
RP18012X	Cowingene Measles Virus and Rubella Virus Detection Kit		48 tests/kit		Lyophilized
RP22021X	Cowingene SARS-CoV-2 Detection Kit		48 tests/kit		Liquid
RP07022X	Cowingene Chlamydia Pneumoniae Detection Kit		48 tests/kit		Lyophilized
RP08021X	Cowingene Mycoplasma Pneumoniae Detection Kit		48 tests/kit		Liquid
RP08022X	Cowingene Mycoplasma Pneumoniae Detection Kit		48 tests/kit		Lyophilized
RP09021X	Cowingene Legionella Pneumophila Detection Kit		48 tests/kit		Liquid
RP24021X	Cowingene Nipah Virus Detection Kit		48 tests/kit		Liquid
RP25021X	Cowingene Respiratory Pathogen Panel Detection Kit	SARS2, Flu A, Flu B, Flu A H1, Flu A H3, RSV	48 tests/kit	CE	Liquid
RP25022X	Cowingene Respiratory Pathogen Panel Detection Kit		48 tests/kit	CE	Lyophilized

Gastrointestinal Infections

Cat. No.	Product Name	Package	Certificate	Status
GI01021X	Cowingene Norovirus Detection Kit	48 tests/kit		Liquid
GI01022X	Cowingene Norovirus Detection Kit	48 tests/kit		Lyophilized
GI02021X	Cowingene Vibrio Cholerae O1 and Enterotoxin Gene Detection Kit	48 tests/kit		Liquid
GI02022X	Cowingene Vibrio Cholerae O1 and Enterotoxin Gene Detection Kit	48 tests/kit		Lyophilized
GI03021X	Cowingene Enterovirus Detection Kit	48 tests/kit		Liquid
GI03022X	Cowingene Enterovirus Detection Kit	48 tests/kit		Lyophilized
GI04021X	Cowingene Enterovirus Universal, EV71 and CoxA16 Detection Kit	48 tests/kit	CE	Liquid
GI04022X	Cowingene Enterovirus Universal, EV71 and CoxA16 Detection Kit	48 tests/kit	CE	Lyophilized
GI05021W	Cowingene Diarrhea Virus Panel 6 Detection Kit*	24 tests/kit	CE	Liquid
GI05022U	Cowingene Diarrhea Virus Panel 6 Detection Kit*	16 tests/kit	CE	Lyophilized

*Targets: Norovirus-GI/Norovirus-GII/Rotavirus Group 4/Sapovirus/Adenovirus/Astrovirus

Tuberculosis Infections



Cat. No.	Product Name	Package	Certificate	Status
TB01021X	Cowingene Mycobacterium Tuberculosis Detection Kit	48 tests/kit	CE	Liquid
TB01022X	Cowingene Mycobacterium Tuberculosis Detection Kit	48 tests/kit	CE	Lyophilized
TB02021X	Cowingene MTB and NTM Detection Kit	48 tests/kit	CE	Liquid
TB02022X	Cowingene MTB and NTM Detection Kit	48 tests/kit	CE	Lyophilized

Mosquito-borne Arboviral Tropical / Zoonoses Infections



Cat. No.	Product Name	Package	Certificate	Status
FE01021X	Cowingene Dengue Virus, Zika Virus and Chikungunya Virus Detection Kit	48 tests/kit	CE	Liquid
FE01022X	Cowingene Dengue Virus, Zika Virus and Chikungunya Virus Detection Kit	48 tests/kit	CE	Lyophilized
FE01022R	Cowingene Dengue Virus, Zika Virus and Chikungunya Virus Detection Kit	96 tests/kit	CE	Lyophilized
FE02021X	Cowingene Dengue Virus I/II/III/IV Detection Kit	48 tests/kit	CE	Liquid
FE02022X	Cowingene Dengue Virus I/II/III/IV Detection Kit	48 tests/kit	CE	Lyophilized
FE03021X	Cowingene Plasmodium Detection Kit	48 tests/kit		Liquid
FE03022X	Cowingene Plasmodium Detection Kit	48 tests/kit		Lyophilized
FE04021X	Cowingene Yellow Fever Virus Detection Kit	48 tests/kit		Liquid
FE04022X	Cowingene Yellow Fever Virus Detection Kit	48 tests/kit		Lyophilized
FE05021X	Cowingene Zaire and Sudan Ebolavirus Detection Kit	48 tests/kit		Liquid
FE05022X	Cowingene Zaire and Sudan Ebolavirus Detection Kit	48 tests/kit		Lyophilized
FE06021X	Cowingene West Nile virus Detection Kit	48 tests/kit		Liquid
FE06022X	Cowingene West Nile virus Detection Kit	48 tests/kit		Lyophilized
FE07021X	Cowingene Bacillus Anthracis Detection Kit	48 tests/kit		Liquid
FE07022X	Cowingene Bacillus Anthracis Detection Kit	48 tests/kit		Lyophilized
FE08021X	Cowingene Dengue Virus Detection Kit	48 tests/kit	CE	Liquid
FE08022X	Cowingene Dengue Virus Detection Kit	48 tests/kit	CE	Lyophilized
FE09021X	Cowingene Zika Virus Detection Kit	48 tests/kit		Liquid

Immunocompromised Transplant / Neuroinfections



Cat. No.	Product Name	Package	Certificate	Status
NI01021X	Cowingene Cytomegalovirus Detection Kit	48 tests/kit		Liquid
NI01022X	Cowingene Cytomegalovirus Detection Kit	48 tests/kit		Lyophilized
NI01024X	Cowingene Cytomegalovirus Quantitative Detection Kit	48 tests/kit		liquid
NI02021X	Cowingene Epstein-Barr Virus (EBV) Detection Kit	48 tests/kit	CE	Liquid
NI02022X	Cowingene Epstein-Barr Virus (EBV) Detection Kit	48 tests/kit	CE	Lyophilized
NI02024X	Cowingene Epstein-Barr Virus (EBV) Quantitative Detection Kit	48 tests/kit		Liquid
NI03021X	Cowingene Varicella-Zoster Virus (VZV) Detection Kit	48 tests/kit	CE	Liquid
NI03022X	Cowingene Varicella-Zoster Virus (VZV) Detection Kit	48 tests/kit	CE	Lyophilized
NI06021X	Cowingene Borrelia Burgdorferi Detection Kit	48 tests/kit		Liquid
NI06022X	Cowingene Borrelia Burgdorferi Detection Kit	48 tests/kit		Lyophilized
NI07021X	Cowingene Poliovirus I / II /III Detection Kit	48 tests/kit		Liquid
NI07022X	Cowingene Poliovirus I / II /III Detection Kit	48 tests/kit		Lyophilized
NI08021X	Cowingene Poliovirus Sabin Detection Kit	48 tests/kit		Liquid
NI08022X	Cowingene Poliovirus Sabin Detection Kit	48 tests/kit		Lyophilized
NI09021X	Cowingene Parvovirus B19 Detection Kit	48 tests/kit	CE	Liquid
NI09022X	Cowingene Parvovirus B19 Detection Kit	48 tests/kit	CE	Lyophilized

Pharmacogenetics Antibiotic Resistance / Bloodborne Infections



Cat. No.	Product Name	Package	Certificate	Status
HG01021X	Cowingene Human Leukocyte Antigen B27 Detection Kit	48t ests/kit	CE	Liquid
HG01022X	Cowingene Human Leukocyte Antigen B27 Detection Kit	48 tests/kit	CE	Lyophilized
HG02011X	Cowingene HBV/HCV/HIV Detection Kit	48 tests/kit		Liquid
HG03011X	Cowingene HBV Detection Kit	48 tests/kit		Liquid
HG04011X	Cowingene HCV Detection Kit	48 tests/kit		Liquid
HG05011X	Cowingene HIV-1 Detection Kit	48 tests/kit		Liquid
HG06021X	Cowingene MRSA/SA Detection Kit	48 tests/kit	CE	Liquid
HG06022X	Cowingene MRSA/SA Detection Kit	48 tests/kit	CE	Lyophilized



Cowingene HPV (2+12) Detection Kit

Cat. No. HP02021X (liquid)

Cat. no. HP02022X (lyophilized)

Intended use

The HPV 2+12 Test is an in vitro diagnostic test for the qualitative detection of DNA from Human Papillomavirus (HPV) in patient specimens. The test utilizes amplification of target DNA by the Polymerase Chain Reaction (PCR) for the detection of 14 high-risk (HR) HPV types in a single analysis. The test specifically identifies HPV 16 and HPV 18 while concurrently detection the rest of the high-risk types (31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66 and 68).

Detection Target: 16, 18 typing and other 12 high-risk HPV types (31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66, 68)

LoD: 100 Copies/mL

Validated Specimen: Urine, Cervical swab

Storage: Liquid: ≤20°C for 18 months
Lyophilized: 2-30°C for 18 months

Compatible Instruments: Open real-time PCR machines, such as ABI 7500, Roche 480, Bio-Rad CFX96, and SLAN 96

Cowingene HPV Genotyping Detection Kit-HPV-40 Panel

Cat. No. HP13021V (liquid)

Cat. no. HP13022S (lyophilized)

Detection Target: 15 high-risk HPV types (16, 18, 31, 33, 35, 39, 45, 51, 52, 53, 56, 58, 59, 66, 68) and 2 low-risk types (6, 11), each detected through individual channels. Additionally, it concurrently detects the other 23 low-risk HPV types (26, 30, 32, 34, 40, 42, 43, 44, 54, 55, 61, 62, 67, 69, 70, 73, 74, 81, 82, 83, 84, 87, and 90) without further differentiation.

LoD: 100 Copies/mL.

Validated Specimen: Cervical swab, Urine

Storage: Liquid: ≤20°C for 18 months
Lyophilized: 2-30°C for 18 months

Compatible Instruments: Open real-time PCR machines, such as ABI 7500, Roche 480, Bio-Rad CFX96, and SLAN 96.

Cowingene HPV Genotyping Pro Detection Kit

Cat. No. HP14025V (liquid)

Cat. no. HP14025Y(liquid)

Intended use

The HPV Genotyping Pro Detection Test is an in vitro diagnostic assay designed for the qualitative detection of DNA from 43 types of Human Papillomavirus (HPV) in cervical swab and urine samples. The test utilizes target DNA amplification by Polymerase Chain Reaction (PCR) and melting curve analysis, enabling the detection of 43 HPV types across 8 analytical mixes. It identifies HPV types 6, 11, 16, 18, 26, 30, 31, 33, 34, 35, 39, 40, 42, 43, 44, 45, 51, 52, 53, 54, 56, 58, 59, 61, 66, 67, 68, 69, 70, 71, 72, 73, 74, 81, 82, 83, 85, 86, 87, 89, 90, 91, and 97.

This test is intended to serve as an aid in the diagnosis of HPV. Results should be interpreted in conjunction with clinical symptoms, epidemiological information, and other laboratory findings. Negative results do not rule out infection and should not be used as the sole basis for diagnosis or treatment decisions.

LoD: 100 Copies/mL.

Validated Specimen: Cervical swab, Urine

Storage: Liquid: ≤20°C for 18 months
Lyophilized: 2-30°C for 18 months

Compatible Instruments: Open realtime PCR machinas, such as BioRad CFX96, and SLAN 96

Cowingene STI Multiplex Pro Detection Kit

Intended use

The Cowingene STI Multiplex Pro Detection Kit is intended for the in vitro qualitative detection of pathogen nucleic acids in human cervical/vaginal/urethral swabs and urine samples.

The kit consists of three assay modules:

STI Essential Assay:

Chlamydia trachomatis (CT), Neisseria gonorrhoeae (NG), Trichomonas vaginalis (TV), Mycoplasma genitalium (MG), Mycoplasma hominis (MH), Ureaplasma urealyticum (UU), Ureaplasma parvum (UP), Group B Streptococcus (GBS), Candida albicans (CAN), and Gardnerella vaginalis (GV) - 10 common sexually transmitted infection (STI)-related pathogens. An internal control (IC) is included to monitor specimen adequacy and assay performance.

Genital Ulcer Assay:

Simultaneous detection of Cytomegalovirus (CMV), Haemophilus ducreyi (HD), Herpes simplex virus type 1 (HSV1), Herpes simplex virus type 2 (HSV2), Treponema pallidum (TP), Varicella-zoster virus (VZV), and Lymphogranuloma venereum (LV) - 7 pathogens associated with genital ulcer disease. An internal control (IC) is included to monitor specimen adequacy and assay performance.

Candidiasis Assay:

Simultaneous detection of Candida glabrata, Candida krusei, Candida parapsilosis, and Candida tropicalis - 4 Candida species to aid in the diagnosis of candidal vaginitis and related infections.

We provide robustness combination:

Panel	Format	Catalogue	Packaging Size
Panel A: STI Essential Assay Genital Ulcer Assay Candidiasis Assay	Liquid	ST17021V	20 tests/kit
		ST17021Y	50 tests/kit
	Lyophilized	ST17022U	16 tests/kit
		ST17022X	48 tests/kit
Panel B: STI Essential Assay	Liquid	ST17021V-1	20 tests/kit
		ST17021Y-1	50 tests/kit
	Lyophilized	ST17022U-1	16 tests/kit
		ST17022X-1	48 tests/kit
Panel C: Genital Ulcer Assay	Liquid	ST17021V-2	20 tests/kit
		ST17021Y-2	50 tests/kit
	Lyophilized	ST17022U-2	16 tests/kit
		ST17022X-2	48 tests/kit
Panel D: STI Essential Assay Genital Ulcer Assay	Liquid	ST17021V-3	20 tests/kit
		ST17021Y-3	50 tests/kit
	Lyophilized	ST17022U-3	16 tests/kit
		ST17022X-3	48 tests/kit

LoD: 400 Copies/mL

Validated Specimen: Cervical Swabs, Vaginal Swabs, Urethral

Storage: Swabs, Urine

Liquid: ≤20°C for 18 months

Compatible Instruments: Lyophilized: 2-30°C for 18 months

Open real-time PCR machines, such as ABI 7500, Roche 480, Bio-Rad CFX96, and SLAN 96.

Cowingene 14 Kinds of Sexually Transmitted Infection Detection Kit

Cat. No. ST01021V (liquid) Cat. no. ST01022U (lyophilized)

Intended use

The Cowingene 14 Kinds of Sexually Transmitted Infection Detection Kit (STI 14 Detection Kit) is intended for the in vitro qualitative detection of Chlamydia trachomatis (CT), Neisseria gonorrhoeae (NG), Mycoplasma hominis (Mh), Herpes simplex virus type 1 (HSV1), Ureaplasma urealyticum (UU), Herpes simplex virus type 2 (HSV2), Ureaplasma parvum (UP), Mycoplasma genitalium (Mg), Candida albicans (CA), Gardnerella vaginalis (GV), Trichomonas vaginalis (TV), Group B streptococcus (GBS), Haemophilus ducreyi (HD), and Treponema pallidum (TP) in urine, male urethral swab, female cervical swab, and female vaginal swab samples, and provides aid to the diagnosis and treatment of patients with genitourinary tract infections.

Detection Target:

Chlamydia trachomatis (CT), Neisseria gonorrhoeae (NG), Herpes simplex virus type 1 (HSV1), Herpes simplex virus type 2 (HSV2), Ureaplasma urealyticum (UU), Ureaplasma parvum (UP), Mycoplasma hominis (MH), Mycoplasma genitalium (MG), Candida albicans (CA), Gardnerella vaginalis (GV), Trichomonas vaginalis (TV), Group B streptococcus (GBS), Hemophilus ducreyi (HD), Treponema pallidum (TP).

LoD: 400 copies/mL

Validated Specimen: Cervical swab, Vaginal Swab, Urethral Swab, Urine

Storage: Liquid: ≤20°C for 18 months

Lyophilized: 2-30°C for 18 months

Compatible Instruments: Open real-time PCR machines, such as ABI 7500, Roche 480, Bio-Rad CFX96, and SLAN 96.

Cowingene Respiratory Pathogen Panel Detection Kit

Cat. No. RP14021W (liquid)

Cat. no. RP14022U (lyophilized)

Intended use

The Cowingene Respiratory Pathogen Panel Detection Kit (RPP Detection Kit) is an in vitro diagnostic test for the qualitative detection of respiratory pathogens in patient specimens. The test utilizes amplification of target RNA by the Polymerase Chain Reaction (PCR) for the detection of respiratory pathogens in a single analysis.

The test specifically identifies different respiratory pathogens. This kit (RPP 7 Detection Kit) is intended for the qualitative detection of Influenza A virus (Flu A), Influenza B virus (Flu B), Metapneumovirus (MPV), Respiratory syncytial virus (RSV), Adenovirus (AdV), Mycoplasma pneumoniae (MP), and SARS-Cov-2 (SARS2).

Detection Target: Flu A/Flu B/MPV/RSV/AdV/MP/SARS-Cov-2

LoD: 400 Copies/mL

Validated Specimen: Nasopharyngeal swab, Nasopharyngeal aspirate, Bronchoalveolar lavage, Throat swab

Storage: Liquid: ≤20°C for 18 months

Lyophilized: 2-30°C for 18 months

Compatible Instruments: Open real-time PCR machines, such as ABI 7500, Roche 480, Bio-Rad CFX96, and SLAN 96.

Cowingene Respiratory Pathogen Panel Pro Detection Kit

Intended use

The Cowingene Respiratory Pathogen Panel Pro Detection Kit is a multiplex nucleic acid test kit intended for the simultaneous qualitative detection and identification of multiple respiratory pathogens in human sputum and nasopharyngeal swab specimens.

The test panel consists of six reactions, each targeting a specific set of pathogens:

- Reaction 1: Influenza A virus (FluA), Influenza B virus (FluB), Respiratory Syncytial Virus (RSV), and Internal Control (IC)
- Reaction 2: Mycoplasma pneumoniae (MP), Adenovirus (AdV), SARS-CoV-2 (SARS2), and Human Metapneumovirus (MPV)
- Reaction 3: Human Rhinovirus/Enterovirus (HRV/EV), Bocavirus (BoV), and Seasonal Coronaviruses (HCoV-229E, HCoV-OC43, HCoV-NL63)
- Reaction 4: Parainfluenza Virus Types 1, 2, 3, and 4 (PIV1, PIV2, PIV3, PIV4)
- Reaction 5: Bordetella pertussis (BP), Klebsiella pneumoniae (KP), Haemophilus influenzae (HI), and Streptococcus pneumoniae (SP)
- Reaction 6: Staphylococcus aureus (SA), and Chlamydia pneumoniae (CP), Legionella pneumophila (LP), and Pseudomonas aeruginosa (PA)

This test is intended for use as an aid in the diagnosis of respiratory tract infections. Results obtained from this assay should be interpreted in conjunction with clinical symptoms, epidemiological information, and other laboratory findings. Negative results do not preclude the possibility of infection and should not be used as the sole basis for diagnosis or treatment decisions.

We provide robustness combination:

Panel	Format	Catalogue	Packaging Size
Pro Panel (Reaction 1 & 2 & 3 & 4 & 5 & 6)	Liquid	RP26021V	20 tests/kit
		RP26021Y	50 tests/kit
	Lyophilized	RP26022U	16 tests/kit
		RP26022X	48 tests/kit
Mini Panel (Reaction 1 & 2 & 3 & 4)	Liquid	RP26021V-1	20 tests/kit
		RP26021Y-1	50 tests/kit
	Lyophilized	RP26022U-1	16 tests/kit
		RP26022X-1	48 tests/kit

LoD:	400 Copies/mL
Validated Specimen:	Nasopharyngeal swab, Stupum
Storage:	Liquid: ≤-20°C for 18 months Lyophilized: 2-30°C for 18 months
Compatible Instruments:	Open real-time PCR machines, such as ABI 7500, Roche 480, Bio-Rad CFX96, and SLAN 96.

Cowingene Mycobacterium Tuberculosis Detection Kit

Cat. No. TB01021X (liquid) **Cat. no. TB01022X (lyophilized)**

Intended use

The Cowingene Mycobacterium Tuberculosis Detection Kit (MTB Detection Kit) is an in vitro diagnostic test for the qualitative detection of DNA from Mycobacterium tuberculosis (MTB) in patient specimens. The test utilizes amplification of target DNA by the Polymerase Chain Reaction (PCR) for the detection of MTB in a single analysis.

Detection Target:	Mycobacterium tuberculosis (MTB)
LoD:	500 Copies/mL
Validated Specimen:	Sputum
Storage:	Liquid: ≤-20°C for 18 months Lyophilized: 2-30°C for 18 months
Compatible Instruments:	Open real-time PCR machines, such as ABI 7500, Roche 480, Bio-Rad CFX96, and SLAN 96.

Cowingene MTB and NTM Detection Kit

Cat. No. TB02021X (liquid) **Cat. no. TB02022X (lyophilized)**

Intended use

The MTB/NTM Detection Kit is an in vitro diagnostic test for the qualitative detection of DNA from Mycobacterium tuberculosis (MTB) and other bacteria included as nontuberculous mycobacteria (NTM) in patient specimens. The test utilizes amplification of target DNA by the Polymerase Chain Reaction (PCR) for the detection of MTB/NTM in a single analysis.

Detection Target:	Mycobacterium tuberculosis (MTB) and other bacteria included as nontuberculous mycobacteria (NTM)
LoD:	MTB: 500 Copies/ mL NTM: 500 Copies/ mL
Validated Specimen:	Sputum
Storage:	Liquid: ≤-20°C for 18 months Lyophilized: 2-30°C for 18 months
Compatible Instruments:	Open real-time PCR machines, such as ABI 7500, Roche 480, Bio-Rad CFX96, and SLAN 96.

Cowingene Diarrhea Virus Panel 6 Detection Kit

Cat. No. GI05021W (liquid)

Intended use

The Cowingene Diarrhea Virus Panel 6 Detection Kit (GI 6 Detection Kit) is an in vitro diagnostic test for the qualitative detection of RNA from Norovirus GI (NoV-GI), Norovirus GII (NoV-GII), Adenovirus (AdV), Sapovirus (SV), Astrovirus (AstV), Rotavirus Group 4 (RVG4) in patient specimens. The test utilizes amplification of target RNA by the Polymerase Chain Reaction (PCR) for the detection of NoV-GI, NoV-GII, RVG4, SV, AdV, AstV in two analysis. The test specifically identifies NoV-GI, NoV-GII, RVG4, SV, AdV and AstV.

Detection Target:	Norovirus GI (NoV-GI), Norovirus GII (NoV-GII), Adenovirus (AdV), Sapovirus (SV), Astrovirus (AstV), Rotavirus (RotV)
LoD:	400 copies/mL
Validated Specimen:	Human stool, Vomitus
Storage:	at≤-20°C for 18 months
Compatible Instruments:	Open real-time PCR machines, such as ABI 7500, Roche 480, Bio-Rad CFX96, and SLAN 96.

Cowingene Dengue Virus I/II/III/IV Detection Kit

Cat. No. FE02021X (liquid)

Cat. no. FE02022X (lyophilized)

Intended use

The DENV I/II/III/IV Detection Kit is an in vitro diagnostic test for the qualitative detection of dengue virus nucleic acids in patient serum and plasma samples.

Detection Target:	Dengue Virus I, Dengue Virus II, Dengue Virus III, Dengue Virus IV
LoD:	DENV I/II/III/IV: 500 Copies/mL
Validated Specimen:	Plasma, Serum
Storage:	Liquid: ≤-20 °C for 18 months Lyophilized: 2-30 °C for 18 months
Compatible Instruments:	Open real-time PCR machines, such as ABI 7500, Roche 480, Bio-Rad CFX96, and SLAN 96.

Cowingene Dengue Virus, Zika Virus and Chikungunya Virus Detection Kit

Cat. No. FE01021X (liquid)

Cat. no. FE01022X (lyophilized)

Intended use

The DENV/ZIKV/CHIKV Detection Kit is an in vitro diagnostic test for the qualitative detection of dengue virus (DENV), zika virus (ZIKV) and chikungunya virus (CHIKV) nucleic acids in patient serum and plasma samples. The test utilizes amplification of target RNA by the Polymerase Chain Reaction for the detection of dengue virus, zika virus and chikungunya virus in a single analysis.

Detection Target:	Dengue, Zika, Chikungunya Virus
LoD:	DENV: 500 Copies/mL ZIKV: 500 Copies/mL CHIKV: 500 Copies/mL
Validated Specimen:	Plasma, Serum
Storage:	Liquid: ≤-20 °C for 18 months Lyophilized: 2-30 °C for 18 months
Compatible Instruments:	Open real-time PCR machines, such as ABI 7500, Roche 480, Bio-Rad CFX96, and SLAN 96.

Cowingene HBV/HCV/HIV Detection Kit

Cat. No. HG02011X (liquid)

Detection Target:	HBV, HCV, HIV
LoD:	The LoD of the kit for detecting HBV, HCV and HIV is 100 IU/mL.
Validated Specimen:	Plasma, Serum
Storage:	≤-20 °C for 18 months
Compatible Instruments:	Open real-time PCR machines, such as ABI 7500, Roche 480, Bio-Rad CFX96, and SLAN 96.

Cowingene Human Leukocyte Antigen B27 Detection Kit

Cat. No. HG01021X (liquid)

Cat. No. HG01022X (lyophilized)

Intended use

The Cowingene Human Leukocyte Antigen B27 Detection Kit (HLA-B27 Detection Kit) is a real-time PCR test kit for the detection of Human Leukocyte Antigen B27 in whole blood. HLA-B27 is strongly associated with Ankylosing Spondylitis (AS) and other related inflammatory diseases, such as Psoriasis, Inflammatory Bowel disease and Reactive Arthritis. Testing for HLA-B27 can aid in early diagnosis and management.

Detection Target:	Human Leukocyte Antigen B27, 27*01~27*73
LoD:	100 copies/test
Validated Specimen:	Whole blood (EDTA)
Storage:	Liquid: ≤-20 °C for 18 months Lyophilized: 2-30 °C for 18 months
Compatible Instruments:	Open real-time PCR machines, such as ABI 7500, Roche 480, Bio-Rad CFX96, and SLAN 96.



Machine/Supporting Reagents



Supporting Reagents

Cat. No.	Product Name	Package	Certificate	Note
CW03021Q	Cowingene Sample Collection Kit	1 test/kit	CE	Vaginal swab/cervical swab sampling for DNA analysis
CW04021Q	Cowingene Sample Collection Kit	1 test/kit	CE	Urine sampling for DNA analysis
CW08021Q	Cowingene Sample Collection Kit	1 test/kit	CE	Asopharyngeal swab sampling for DNA/RNA analysis
CW06021Z	Cowingene Sample Diluent Reagent	10 mL/bottle, 10 bottles	CE	Sample Pretreatment
CW09021W	Cowingene Sample Diluent Reagent	1mL/vial, 24 vials	CE	Sputum Liquefaction
CW02021Z	Cowingene Sample Release Reagent	100 mL(10*10 mL)	CE	DNA Release, manual
CW01021Y	Cowingene Viral DNA/RNA Column	50 tests/kit	CE	DNA Extraction,spin column
CW10021Y	Cowingene Viral DNA/RNA Column	50 tests/kit	CE	RNA Extraction,spin column
CW05021N	Cowingene DNA/RNA Extraction kit	40 tests/kit	CE	Pre-packaged, single serving - universal sample types
CW05021M	Cowingene DNA/RNA Extraction kit	64 tests/kit	CE	Pre-packaged, multi-serving - universal sample types
CW05021N-HG	Cowingene DNA/RNA Extraction kit	40 tests/kit	CE	Pre-packaged, single-serving - human genome
CW05021M-HG	Cowingene DNA/RNA Extraction kit	64 tests/kit	CE	Pre-packaged, multi-serving - human genome
CW05021X	Cowingene DNA/RNA Extraction kit	48 tests/kit	CE	Universal sample types, magnetic bead, manual
CW11022Q-16	NATPure System	1 unit	CE	16-channel, model: CWNP-16
CW11022Q-32	NATPure System	1 unit	CE	32-channel, model: CWNP-32

Cowingene Sample Collection Kit



Cat. No. CW03021Q (Cervical Swab)

Cat. No. CW04021Q (Urine)

Cat. No. CW08021Q (Swab Inactivation Type)

Validated specimen: Specialized for HPV, STI, Cervical swab/Urine

Storage: Cervical swab/Urine can be stored at room temperature for 30 days

Cowingene DNA/RNA Extraction Kit



Cat. No. CW05021X

NOTE: Nucleic acid (RNA, DNA) extraction from wide-range of biological materials

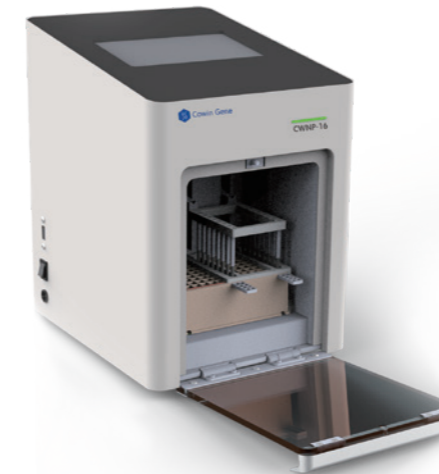
Cowingene Viral DNA/RNA Column



Cat. No. CW01021Y — Specialized for DNA

Cat. No. CW10021Y — RNA, mRNA

NATPure System



Cat. No. CW11022Q-16
Model: CWNP-16



Cat. No. CW11022Q-32
Model: CWNP-32

- Contamination Control:** UV light, HEPA filter
- Sample Volume:** 20 µL - 1000 µL
- Large Screen Display:** 7 inches / 10 inches
- Throughput:** CW11022Q-16: 1-16 samples
CW11022Q-32: 1-32 samples
- Program Customization:** Editable preset programs, which can be shared with other devices
- Wide Range of Sample Types:** Suitable for oropharyngeal swabs, nasopharyngeal swabs, sputum, bronchoalveolar lavage fluid, whole blood, serum, plasma, lymph fluid, environmental samples, solid tissues, various virus preservation solutions, etc.
- Power Requirements:** AC 110V-220V, 50Hz-60Hz
- Disinfection Method:** HEPA filter, UV sterilization

Cat. No.	Product Name	Package	Certificate	Note
CW05021N	Cowingene DNA/RNA Extraction kit	40 tests/kit	CE	Pre-packaged, single serving - universal sample types
CW05021M	Cowingene DNA/RNA Extraction kit	64 tests/kit	CE	Pre-packaged, multi-serving - universal sample types
CW05021N-HG	Cowingene DNA/RNA Extraction kit	40 tests/kit	CE	Pre-packaged, single-serving - human genome
CW05021M-HG	Cowingene DNA/RNA Extraction kit	64 tests/kit	CE	Pre-packaged, multi-serving - human genome

Test Procedure

