



Cowin Gene

Innovating Diagnostics For A Healthier Future



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# Cowingene Product Catalogue

Innovating Diagnostics For A Healthier Future

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Taizhou Cowingene Biotech Co.,Ltd.

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# COWINGENE

As a young and dynamic company, we specialize in developing and manufacturing molecular POCT in vitro diagnostic reagents. With a professional team and a spirit of innovation, we are committed to advancing health management to be more efficient, accessible, and intelligent—becoming a trusted partner in the field of molecular diagnostics.



High Sensitivity



High Specificity



High Accuracy



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Immunocompromised / Transplant / Neuroinfections

Pharmacogenetics / Antibiotic Resistance / Bloodborne Infections

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Sample Collection Kit

DNA/RNA Extraction Kit

Extraction Machine

# NATBox System Mini II

Molecular point-of-care-test

-  Fully automated
-  Sample in Result out
-  Fast & Portable
-  Accurate



## Product parameters

|                      |                                                                                                                                                                                                   |                  |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Model                | Mini II                                                                                                                                                                                           |                  |
| Throughput           | 2                                                                                                                                                                                                 |                  |
| Extraction           | Magnetic beads                                                                                                                                                                                    |                  |
| Fluorescence channel | FAM, VIC, ROX, CY5                                                                                                                                                                                |                  |
| Time to result       | 60-100 mins                                                                                                                                                                                       |                  |
| Weight               | 1.8 kg                                                                                                                                                                                            |                  |
| Dimension            | 130 mm*130 mm*120 mm                                                                                                                                                                              |                  |
| Temperature range    | 30-99 °C                                                                                                                                                                                          |                  |
| Heating rate         | 5 °C/s                                                                                                                                                                                            |                  |
| Cooling rate         | 2.5 °C/s                                                                                                                                                                                          |                  |
| Temperature accuracy | ±0.1 °C                                                                                                                                                                                           |                  |
| Technology principle | Fluorescence PCR                                                                                                                                                                                  |                  |
| Signal interface     | USB, Bluetooth                                                                                                                                                                                    |                  |
| Power supply         | Portable charger compatible                                                                                                                                                                       |                  |
| Ambient              | Working conditions: Ambient temperature: 10~35℃                                                                                                                                                   | Humidity: 20~80% |
|                      | Storage conditions: Ambient temperature: -20~55℃                                                                                                                                                  | Humidity: 20~80% |
| Sample type          | Plasma, Serum, Whole blood, CSF, Sputum, Cultured cell, Human stool, Vomitus, Nasopharyngeal swab, Nasopharyngeal aspirate, Throat swab, Cervical swab, Anorectal swab, Urine, Vaginal swab, etc. |                  |

## Test Procedure



Test menu



| Cat. No.                        | Product Name                                                                    | Package | Certificate |
|---------------------------------|---------------------------------------------------------------------------------|---------|-------------|
| Human Papillomavirus Infections |                                                                                 |         |             |
| HP01023W                        | Cowingene HPV (2+16) Detection Kit (16, 18 typing and other 16 high-risk types) | 24T     | CE          |
| HP02023W                        | Cowingene HPV (2+12) Detection Kit (16, 18 typing and other 12 high-risk types) | 24T     | CE          |
| HP09023W                        | Cowingene HPV 16/18 Detection Kit                                               | 24T     |             |
| HP10023W                        | Cowingene HPV 16/18/45 Detection Kit                                            | 24T     | CE          |
| HP11023W                        | Cowingene HPV 6/11 Detection Kit                                                | 24T     | CE          |

|                                 |                                                                         |     |    |
|---------------------------------|-------------------------------------------------------------------------|-----|----|
| Sexually Transmitted Infections |                                                                         |     |    |
| ST02013W                        | Cowingene Chlamydia Trachomatis Detection Kit                           | 24T |    |
| ST03013W                        | Cowingene Chlamydia Trachomatis and Neisseria Gonorrhoeae Detection Kit | 24T |    |
| ST05013W                        | Cowingene Herpes Simplex Virus 1/2 Detection Kit                        | 24T | CE |
| ST06013W                        | Cowingene Group B Streptococcus Detection Kit                           | 24T | CE |
| ST07013W                        | Cowingene Monkeypox Virus Detection Kit                                 | 24T | CE |
| ST08013W                        | Cowingene Monkeypox Virus Typing Detection Kit                          | 24T | CE |
| ST12023W                        | Cowingene Mycoplasma Genitalium and Mycoplasma Hominis Detection Kit    | 24T | CE |
| ST14023W                        | Cowingene STI Multiplex Detection Kit-STI 3 (CT,NG,TV)                  | 24T | CE |
| ST15023P                        | Cowingene STI Multiplex Detection Kit-STI 6 (CT,NG,MH,MG,UU,TV)         | 12T |    |

|                        |                                                                                   |     |    |
|------------------------|-----------------------------------------------------------------------------------|-----|----|
| Respiratory Infections |                                                                                   |     |    |
| RP03023W               | Cowingene Influenza A/B and RSV Detection Kit                                     | 24T | CE |
| RP05023W               | Cowingene Respiratory Syncytial Virus Detection Kit                               | 24T |    |
| RP06023W               | Cowingene Influenza A/B Detection Kit                                             | 24T |    |
| RP07023W               | Cowingene Chlamydophila Pneumoniae Detection Kit                                  | 24T |    |
| RP08023W               | Cowingene Mycoplasma Pneumoniae Detection Kit                                     | 24T |    |
| RP11023W               | Cowingene SARS-CoV-2 & Influenza A/B Detection Kit                                | 24T | CE |
| RP19023P               | Cowingene Respiratory Pathogen Panel Detection Kit-4 panel (InfluA/B/RSV/Covid19) | 12T | CE |
| RP22023P               | Cowingene SARS-CoV-2 Detection Kit                                                | 24T |    |

|                         |                                                    |     |    |
|-------------------------|----------------------------------------------------|-----|----|
| Tuberculosis Infections |                                                    |     |    |
| TB01023W                | Cowingene Mycobacterium Tuberculosis Detection Kit | 24T | CE |
| TB02023W                | Cowingene MTB and NTM Detection Kit                | 24T | CE |

|                             |                                                                |     |    |
|-----------------------------|----------------------------------------------------------------|-----|----|
| Gastrointestinal Infections |                                                                |     |    |
| GI03023W                    | Cowingene Enterovirus Detection Kit                            | 24T |    |
| GI04023W                    | Cowingene Enterovirus Universal, EV71 and CoxA16 Detection Kit | 24T | CE |

|                                                         |                                                                        |     |    |
|---------------------------------------------------------|------------------------------------------------------------------------|-----|----|
| Mosquito-borne Arboviral/Tropical / Zoonoses Infections |                                                                        |     |    |
| FE01023W                                                | Cowingene Dengue Virus, Zika Virus and Chikungunya Virus Detection Kit | 24T | CE |

|                                                  |                                                      |     |    |
|--------------------------------------------------|------------------------------------------------------|-----|----|
| Immunocompromised / Transplant / Neuroinfections |                                                      |     |    |
| NI01023W                                         | Cowingene Cytomegalovirus Detection Kit              | 24T |    |
| NI02023W                                         | Cowingene Epstein-Barr Virus (EBV) Detection Kit     | 24T | CE |
| NI03023W                                         | Cowingene Varicella-Zoster Virus (VZV) Detection Kit | 24T | CE |
| NI09023W                                         | Cowingene Parvovirus B19 Detection Kit               | 24T | CE |

|                                                              |                                                     |     |    |
|--------------------------------------------------------------|-----------------------------------------------------|-----|----|
| Pharmacogenetics/Antibiotic Resistance/Bloodborne Infections |                                                     |     |    |
| HG01023W                                                     | Cowingene Human Leukocyte Antigen B27 Detection Kit | 24T | CE |
| HG06023W                                                     | Cowingene MRSA/SA Detection Kit                     | 24T | CE |
| HG03013W                                                     | Cowingene HBV Detection Kit                         | 24T |    |
| HG04013W                                                     | Cowingene HCV Detection Kit                         | 24T |    |
| HG05013W                                                     | Cowingene HIV-1 Detection Kit                       | 24T |    |

|                             |                                                 |                         |    |
|-----------------------------|-------------------------------------------------|-------------------------|----|
| Supporting Reagents/Machine |                                                 |                         |    |
| CW03021Q                    | Cowingene Sample Collection Kit (Cervical Swab) | 1 test/kit              | CE |
| CW04021Q                    | Cowingene Sample Collection Kit (Urine)         | 1 test/kit              | CE |
| CW06021Z                    | Cowingene Sample Diluent Reagent                | 10 mL/bottle, 10 bottle | CE |
| CW08021Q                    | Cowingene Sample Collection Kit                 | 1 test/kit              | CE |
| CW07023Q                    | Cowingene NATBox System                         | 1 unit                  | CE |
| CW09021Q                    | Cowingene Sample Diluent Reagent                | 1 mL/vial, 24 vials     | CE |





## Cowingene HPV (2+12) Detection Kit

Cat. No. HP02023W (mini II )

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 detecting the rest of the high-risk types (31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66 and 68).

|                         |                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage:                | 2-8 °C for 12 months                                                                                                                                                 |
| LOD:                    | The detection limit of the 14 HPV types within the detection range of the kit (i.e., HPV 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66 and 68) is 100 Copies/mL |
| Compatible Instruments: | NATBox® Mini II                                                                                                                                                      |

## Cowingene STI Multiplex Detection Kit-STI 3

Cat. No. ST14023W (mini II )

|                         |                                                                                    |
|-------------------------|------------------------------------------------------------------------------------|
| Detection Target:       | Chlamydia trachomatis (CT), Neisseria gonorrhoeae (NG), Trichomonal vaginitis (TV) |
| LoD:                    | CT: 400 Copies/mL<br>NG: 400 Copies/mL<br>TV: 400 Copies/mL                        |
| Validated Specimen:     | Vaginal swab, Cervical swab, Urethral swab, Urine                                  |
| Storage:                | 2-8 °C for 12 months                                                               |
| Compatible Instruments: | NATBox® Mini II                                                                    |

## Cowingene Respiratory Pathogen Panel Detection Kit

Cat. No. RP19023P (mini II )

|                         |                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------|
| Detection Target:       | SARS-Cov-2, Influenza A, Influenza B, RSV                                                                   |
| LoD:                    | SARS-Cov-2: 400 Copies/mL<br>Influenza A: 400 Copies/mL<br>Influenza B: 400 Copies/mL<br>RSV: 400 Copies/mL |
| Validated Specimen:     | Nasopharyngeal swab                                                                                         |
| Storage:                | 2-8 °C for 12 months                                                                                        |
| Compatible Instruments: | NATBox® Mini II                                                                                             |

## Cowingene Mycobacterium Tuberculosis Detection Kit

Cat. No. TB01023W (mini II )

|                         |                                  |
|-------------------------|----------------------------------|
| Detection Target:       | Mycobacterium tuberculosis (MTB) |
| LoD:                    | 500 Copies/mL                    |
| Validated Specimen:     | Sputum                           |
| Storage:                | 2-8 °C for 12 months             |
| Compatible Instruments: | NATBox® Mini II                  |

## Cowingene MTB and NTM Detection Kit

Cat. No. TB02023W (mini II )

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Detection Target:       | Mycobacterium tuberculosis(MTB) and other bacteria included as nontuberculous mycobacteria(NTM) |
| LoD:                    | MTB: 500 Copies/mL<br>NTM: 500 Copies/mL                                                        |
| Validated Specimen:     | Sputum                                                                                          |
| Storage:                | 2-8 °C for 12 months                                                                            |
| Compatible Instruments: | NATBox® Mini II                                                                                 |

# Cowingene Dengue Virus, Zika Virus and Chikungunya Virus Detection Kit

Cat. No. FE01023W (mini II )

|                         |                                 |
|-------------------------|---------------------------------|
| Detection Target:       | Dengue, Zika, Chikungunya Virus |
| LoD:                    | DENV: 500 Copies/mL             |
|                         | ZIKV: 500 Copies/mL             |
|                         | CHIKV: 500 Copies/mL            |
| Validated Specimen:     | Plasma, Serum                   |
| Storage:                | 2-8 C for 12 months             |
| Compatible Instruments: | NATBox® Mini II                 |

# Cowingene Enterovirus Universal, EV71 and CoxA16 Detection Kit

Cat. No. GI04023W (mini II )

|                         |                                       |
|-------------------------|---------------------------------------|
| Detection Target:       | EVU, EV71 and CoxA16                  |
| LoD:                    | EVU: 400 Copies/mL                    |
|                         | EV71: 400 Copies/mL                   |
|                         | CA16: 400 Copies/mL                   |
| Validated Specimen:     | Oropharyngeal swab, Herpes fluid swab |
| Storage:                | 2-8 C for 12 months                   |
| Compatible Instruments: | NATBox® Mini II                       |

# Cowingene MRSA/SA Detection Kit

Cat. No. HG06023W (mini II )

|                         |                                                             |
|-------------------------|-------------------------------------------------------------|
| Detection Target:       | 16 SrRNA of SA, mec A of MRSA                               |
| LoD:                    | SA: 400 copies/mL; MRSA: 400 copies/mL.                     |
| Validated Specimen:     | Nasal swab and skin or soft tissue infection site specimens |
| Storage:                | 2-8 C for 12 months                                         |
| Compatible Instruments: | NATBox® Mini II                                             |

# 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 |
| HP08021X | Cowingene HPV (3+15) Detection Kit                  | 16, 18, 52 typing and other 15 high-risk types ( 26, 31, 33, 35, 39, 45, 51, 53, 56, 58, 59, 66, 68, 73, 82)                                                                                                                                    | 48 tests/kit        |    | Liquid      |
| HP08022X | Cowingene HPV (3+15) Detection Kit                  |                                                                                                                                                                                                                                                 | 48 tests/kit        |    | Lyophilized |
| HP11021X | Cowingene HPV 6/11 Detection Kit                    | 6, 11                                                                                                                                                                                                                                           | 48 tests/kit        | CE | Liquid      |
| HP03021V | Cowingene HPV 15 Genotyping Detection Kit           | 16, 18, 31, 33, 35, 39, 45, 51, 52, 53, 56, 58, 59, 66, 68                                                                                                                                                                                      | 20 tests/kit        | CE | Liquid      |
| HP03022U | Cowingene HPV 15 Genotyping Detection Kit           |                                                                                                                                                                                                                                                 | 16 tests/kit        | CE | Lyophilized |
| HP04021V | 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                                                                                                                                   | 20 tests/kit        | CE | Liquid      |
| HP04022S | Cowingene HPV 28 Genotyping Detection Kit           |                                                                                                                                                                                                                                                 | 8 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      |
| HP13022S | Cowingene HPV Genotyping Detection Kit-HPV-40 Panel |                                                                                                                                                                                                                                                 | 8 tests/kit         | CE | Lyophilized |



| 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      |
| ST01022U | Cowingene 14 Kinds of Sexually Transmitted Infection Detection Kit      |                                                           | 16 tests/kit | CE          | 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      |
| ST13022U | Cowingene STI Multiplex Detection Kit-STI 7                             |                                                           | 16 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 |





| Cat. No. | Product Name                                                         | Package      | Certificate | Status      |
|----------|----------------------------------------------------------------------|--------------|-------------|-------------|
| RP03021X | Cowingene Influenza A/B and RSV Detection Kit                        | 48 tests/kit | CE          | Liquid      |
| RP03022X | 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 |
| RP04021X | Cowingene SARS-Cov-2, Influenza A/B and RSV Detection Kit            | 48 tests/kit |             | Liquid      |
| RP04022X | Cowingene SARS-Cov-2, Influenza A/B and RSV Detection Kit            | 48 tests/kit |             | Lyophilized |
| RP14021W | Cowingene Respiratory Pathogen Panel Detection Kit *                 | 24 tests/kit | CE          | Liquid      |
| RP14022U | Cowingene Respiratory Pathogen Panel Detection Kit *                 | 16 tests/kit | CE          | Lyophilized |
| RP05021X | Cowingene Respiratory Syncytial Virus Detection Kit                  | 48 tests/kit |             | Liquid      |
| RP05022X | Cowingene Respiratory Syncytial Virus Detection Kit                  | 48 tests/kit |             | Lyophilized |
| RP06021X | Cowingene Influenza A/B Detection Kit                                | 48 tests/kit |             | Liquid      |
| RP06022X | Cowingene Influenza A/B Detection Kit                                | 48 tests/kit |             | Lyophilized |
| RP07021X | Cowingene Chlamydia Pneumoniae 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      |
| 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      |
| RP22021X | Cowingene SARS-CoV-2 Detection Kit                                   | 48 tests/kit |             | Liquid      |

\*Targets:Flu A/Flu B/MPV/RSV/AdV/MP/SARS-Cov-2



| 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 |



| 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 |             | Liquid      |
| GI05022U | Cowingene Diarrhea Virus Panel 6 Detection Kit *                | 16 tests/kit |             | Lyophilized |

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





| 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 |
| 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 |



| 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 |
| 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 |
| 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 |



| 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 identifiestypes 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℃ for 18 months<br>Lyophilized: 2-30℃ 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:                    | The detection limit of the 40 HPV types within the detection range of the kit is 100 Copies/mL.                                                                                                                                                                                                                                                                      |
| Validated Specimen:     | Cervical swab, Urine                                                                                                                                                                                                                                                                                                                                                 |
| Storage:                | Liquid: ≤20℃ for 18 months<br>Lyophilized: 2-30℃ 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<br>NTM: 500 Copies/ mL                                                        |
| Validated Specimen:     | Sputum                                                                                            |
| Storage:                | Liquid: ≤20℃ for 18 months<br>Lyophilized: 2-30℃ 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

### 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),<br>Rotavirus (RotV)            |
| LoD:                    | NoV-GI: 400 copies/mL.; NoV-GII: 400 copies/mL; RVG4: 400 copies/mL; SV: 400 copies/mL.<br>AdV: 400 copies/mL; AstV: 400 copies/mL. |
| Validated Specimen:     | Human stool, Vomitus                                                                                                                |
| Storage:                | at≤20℃ for 18 months                                                                                                                |
| Compatible Instruments: | 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), Trichomonal vaginitis (TV), Group B streptococcus (GBS), Haemophilus ducreyi (HD), and Treponema pallidum (TP) in urine, male urethral swab, female cervical swab, and female vagin al 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:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | The LoD of the kit for detecting CT, NG, UU, UP, HSV1, HSV2, MG, MH, GBS, TP, HD, CA, TV and GV is 400 Copies/mL.                                                                                                                                                                                                                                                                                       |
| Validated Specimen:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Cervical swab, Vaginal Swab, Urethral Swab, Urine                                                                                                                                                                                                                                                                                                                                                       |
| Storage:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Liquid: ≤-20℃ for 18 months<br>Lyophilized: 2-30℃ 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℃ for 18 months<br>Lyophilized: 2-30℃ 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.<br>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:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Influenza A: 400 Copies/mL; Influenza B: 400 Copies/mL<br><br>Metapneumovirus: 400 Copies/mL; Respiratory syncytial virus: 400 Copies/mL<br><br>Adenovirus: 400 Copies/mL; Mycoplasma pneumoniae: 400 Copies/mL<br><br>SARS-Cov-2: 400 Copies/mL |
| Validated Specimen:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Nasopharyngeal swab, Nasopharyngeal aspirate, Bronchoalveolar lavage, Throat swab                                                                                                                                                                |
| Storage:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Liquid: ≤-20℃ for 18 months<br><br>Lyophilized: 2-30℃ 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 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℃ for 18 months<br><br>Lyophilized: 2-30℃ 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 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℃ for 18 months                                                           |
|                         | Lyophilized: 2-30℃ 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℃ 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℃ for 18 months                                                           |
|                         | Lyophilized: 2-30℃ 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 | 1 mL/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 HPV-DNA

Cat. No. CW10021Y — RNA, mRNA

NATPure System



Cat. No. CW11022Q-16      Cat. No. CW11022Q-32

Model: CWNP-16      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:** AC110V-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 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

