

AMPLIRUN TOTAL®

INDEPENDENT MOLECULAR CONTROLS
FOR INFECTIOUS DISEASES TESTING



VIRCELL
Molecular

AMPLIRUN® TOTAL

Independent Molecular Controls



Achieve independent assessment of your diagnostic devices and methods, comply with lab accreditation and improve patient care.



MAIN FEATURES

- **Inactivated whole pathogen** - contains the entire genome and is compatible with any analysis.
- **Total control in a matrix that mimics a human specimen** - For monitoring the entire process.
- **Quantified, low positive controls** - Prepared to produce results at a significant clinical concentration.
- **Monodose format and lyophilized presentation** - It guarantees stability and avoids handling and additional transport costs.
- **Non-infectious material with inactivation certificate.**
- **Multiple platform compatibility.**
- **Shelf life: up to 2,5 years from date of manufacture.**



MATRICES

Applicable for a range of matrices: plasma, swab, sputum, exudate, urine, stool and CSF.



MULTIPLE PLATFORM COMPATIBILITY

GeneXpert® (Cepheid), BD MAX™ (Becton Dickinson), Panther® (Hologic), FilmArray® (BioFire), ELITe InGenius® (ELITechGroup), Vivalytic (Bosch) or Liaison® MDX (Diasorin Molecular), among others.



CUSTOM SOLUTIONS

Vircell R&D team has both the experience and capacity to design, develop, and deliver customized biological controls for all kind of instruments and assays. We can produce variations of the existing products in terms of concentration or purification requirements, or we can customize entire new panels to meet your unique needs.



AMPLIRUN® TOTAL

Independent Molecular Controls for infectious diseases testing

Vircell is a leading provider of independent external run controls for Nucleic Acid Testing (NAT) with a long-term trajectory in infectious disease diagnostics.

AMPLIRUN® TOTAL Controls are designed to be used as run controls for routine customer use to guarantee efficient nucleic acid extraction, amplification and detection. These inactivated whole-organism positive controls are provided in a matrix that mimics different human samples formulated to produce low level positive results at a clinically significant concentration. The control should be extracted and amplified alongside unknown samples and treated in an identical manner to a clinical specimen.

Each single-use vial is intended to help laboratories monitor and maintain consistent, accurate and meaningful performance of their molecular infectious diseases assays.

Quality control practices are essential in the routine molecular diagnostic laboratories for infectious diseases to ensure accuracy and reproducibility of lab test results. Start guaranteeing today the integrity and confidence of your results with AMPLIRUN® TOTAL Controls.

GASTROINTESTINAL INFECTIONS

Description	Cat. No.	Class	Fill volume	Pack size
AMPLIRUN® TOTAL CLOSTRIDIUM DIFFICILE RT027 CONTROL (STOOL) <i>Clostridium difficile</i> RT027	MBTC026-R	RUO	500 µL	10 vials
AMPLIRUN® TOTAL GASTROINTESTINAL BACTERIAL PANEL CONTROL (STOOL) <i>Campylobacter jejuni</i> , <i>Clostridium difficile</i> , <i>Escherichia coli</i> (EHEC), <i>Salmonella enteritidis</i> , <i>Shigella flexneri</i> , <i>Yersinia enterocolitica</i>	MBTC021	CE	500 µL	10 vials
STOOL MATRIX NEGATIVE CONTROL	MBTC021	RUO	500 µL	10 vials

INFECTIOUS MONONUCLEOSIS

Description	Cat. No.	Class	Fill volume	Pack size
AMPLIRUN® TOTAL EBV CONTROL (PLASMA) Epstein-Barr virus (International Units - EBV B95-8 strain)	MBTC019	CE	200 µL	10 vials

MENINGITIS

Description	Cat. No.	Class	Fill volume	Pack size
AMPLIRUN® TOTAL MENINGITIS CONTROL (CSF)* Enterovirus, herpes simplex virus 1, herpes simplex virus 2, human herpes virus 6, human parechovirus, varicella zoster virus, cytomegalovirus, <i>Escherichia coli</i> K1, <i>Haemophilus influenzae</i> , <i>Listeria monocytogenes</i> , <i>Neisseria meningitidis</i> , <i>Streptococcus agalactiae</i> , <i>Streptococcus pneumoniae</i> , <i>Cryptococcus neoformans</i>	MBTC025-R	RUO	400 µL	10 vials (5x2)

* Available soon

RESPIRATORY INFECTIONS

Description	Cat. No.	Class	Fill volume	Pack size
AMPLIRUN® TOTAL ATYPICAL BACTERIAL PNEUMONIA CONTROL (SWAB) <i>Bordetella pertussis</i> , <i>Chlamydophila pneumoniae</i> , <i>Chlamydophila psittaci</i> , <i>Coxiella burnetii</i> , <i>Legionella pneumophila</i> , <i>Mycoplasma pneumoniae</i>	MBTC022-R	RUO	500 µL	10 viales
AMPLIRUN® TOTAL FLUA/FLUB/RSV CONTROL (SWAB) Influenza A, Influenza B, respiratory syncytial virus (RSV)	MBTC028	CE	500 µL	10 viales
AMPLIRUN® TOTAL RESPIRATORY VIRAL PANEL CONTROL (SWAB) Adenovirus 4, coronavirus, influenza A H3N2, influenza B, novel influenza A H1N1, parainfluenza 1, parainfluenza 2, parainfluenza 3, RSV (subtype A), RSV (subtype B)	MBTC020	CE	200 µL	10 viales
AMPLIRUN® TOTAL SARS-CoV-2 CONTROL (SWAB) SARS-CoV-2	MBTC030	CE	500 µL	10 viales
AMPLIRUN® TOTAL SARS-CoV-2/FluA/FluB/RSV CONTROL (SWAB) SARS-CoV-2, influenza A, influenza B, RSV	MBTC031	CE	500 µL	10 viales
RESPIRATORY SWAB MATRIX NEGATIVE CONTROL	MC110	RUO	500 µL	10 viales
SPUTUM NEGATIVE CONTROL	MC129	RUO	500 µL	10 viales

SEXUALLY TRANSMITTED DISEASES

Description	Cat. No.	Class	Fill volume	Pack size
AMPLIRUN® TOTAL CT/NG CONTROL (EXUDATE) <i>Chlamydia trachomatis</i> , <i>Neisseria gonorrhoeae</i>	MBTC006	CE ₀₃₁₈	1 mL	10 viales
AMPLIRUN® TOTAL CT/NG CONTROL (URINE) <i>Chlamydia trachomatis</i> , <i>Neisseria gonorrhoeae</i>	MBTC003	CE ₀₃₁₈	1 mL	10 viales
AMPLIRUN® TOTAL CT/NG/TV/MGE CONTROL (SWAB) <i>Chlamydia trachomatis</i> , <i>Neisseria gonorrhoeae</i> , <i>Trichomonas vaginalis</i> , <i>Mycoplasma genitalium</i>	MBTC024-R	RUO	1 mL	10 viales
AMPLIRUN® TOTAL MACROLIDE RESISTANT MGE CONTROL PANEL (SWAB) 4 vials x <i>Mycoplasma genitalium</i> sensitive type strain 3 vials x <i>Mycoplasma genitalium</i> harboring the A2059G mutation in 23S rRNA gene 3 vials x <i>Mycoplasma genitalium</i> harboring the A2058G mutation in 23S rRNA gene	MBTC029	CE	1 mL	10 viales (4+3+3)
AMPLIRUN® TOTAL MONKEYPOX VIRUS CONTROL (SWAB) Monkeypox virus	MBTC032-R	RUO	500 µL	10 viales
AMPLIRUN® TOTAL GENITAL ULCER CONTROL (SWAB)* <i>Chlamydia trachomatis</i> serovar LGV, herpes simplex 1, herpes simplex 2, <i>Treponema pallidum</i> , <i>Haemophilus ducreyi</i> , varicella-zoster virus and mpox virus	MBTC034-R	RUO	500 µL	10 viales
AMPLIRUN® TOTAL GENITAL PANEL CONTROL (SWAB)* <i>Lactobacillus crispatus</i> , <i>Candida albicans</i> , <i>Atopobium vaginae</i> , <i>Gardnerella vaginae</i> , <i>Trichomonas vaginalis</i> , <i>Candida krusei</i>	MBTC033-R	RUO	500 µL	10 viales (5x2)

* Available soon

TORCH

Description	Cat. No.	Class	Fill volume	Pack size
AMPLIRUN® TOTAL CMV CONTROL (PLASMA) Cytomegalovirus (International Units - hCMV Merlin strain)	MBTC018-R	RUO	200 µL	10 vials
AMPLIRUN® TOTAL HSV-1/HSV-2/VZV CONTROL (EXUDATE) Herpes simplex virus & Varicella-zoster virus	MBTC016	CE	200 µL	10 vials

MYCOBACTERIAL INFECTIONS

Description	Cat. No.	Class	Fill volume	Pack size
AMPLIRUN® TOTAL MDR-TB VERIFICATION & CONTROL PANEL (SPUTUM) 2 vials x <i>Mycobacterium tuberculosis</i> 2 vials x <i>Mycobacterium tuberculosis</i> RIF resistant rpoB mutation (S531L) 2 vials x <i>Mycobacterium tuberculosis</i> RIF resistant rpoB mutation (H526D) 2 vials x <i>Mycobacterium tuberculosis</i> INH resistant katG mutation (S315T) 2 vials x <i>Mycobacterium tuberculosis</i> INH resistant inhA mutation (C15T)	MBTC027	CE	1 mL	10 vials (5x2)
AMPLIRUN® TOTAL MTB CONTROL (SPUTUM) <i>Mycobacterium tuberculosis</i>	MBTC013	CE	1 mL	10 vials
AMPLIRUN® TOTAL MTB INH RESISTANT CONTROL (SPUTUM) 5 vials x <i>Mycobacterium tuberculosis</i> katG mutation (S315T) 5 vials x <i>Mycobacterium tuberculosis</i> inhA mutation (C15T)	MBTC015	CE	1 mL	10 vials (2x5)
AMPLIRUN® TOTAL MTB RIF RESISTANT CONTROL (SPUTUM) 5 vials x <i>Mycobacterium tuberculosis</i> rpoB mutation (S531L) 5 vials x <i>Mycobacterium tuberculosis</i> rpoB mutation (H526D)	MBTC014	CE	1 mL	10 vials (2x5)

VECTOR-BORNE INFECTIONS

Description	Cat. No.	Class	Fill volume	Pack size
AMPLIRUN® TOTAL ZIKV/DENV/CHIKV CONTROL (PLASMA) Zika virus, dengue virus (1-4), chikungunya virus	MBTC023	CE	200 µL	10 vials



More information

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Products may be for Research Use Only and not for use in diagnostic procedures in the USA and Canada.