



complete genome



matrix that mimics human specimens



daily control

# AmpliRun<sup>®</sup> Total

## Sexually Transmitted Infections Panel Control

### AMPLIRUN<sup>®</sup> TOTAL CT/NG/TV/MGE CONTROL (SWAB)

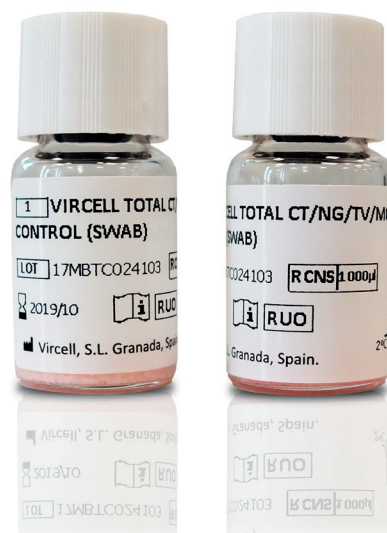
Each vial includes a pool of lyophilized microorganisms involved in Sexually Transmitted Infections:

*Chlamydia trachomatis*, *Neisseria gonorrhoeae*, *Trichomonas vaginalis*, *Mycoplasma genitalium*

Ref. MBTC024 · 10 Vials · 1 mL · Extraction + Amplification Control

### Product Features

- ✓ Independent external run controls, with great lot-to-lot consistency, to monitor the accuracy and precision of the **complete analytical process (extraction and amplification)**
- ✓ Controls that contain the **complete inactivated microorganism** in a matrix that **mimics human specimens**
- ✓ **Differential diagnosis** of sexually transmitted infections - Control for single and multiplex molecular assays (NAATs)
- ✓ **Lyophilized presentation** to ensure stability and avoid extra transport costs



**Sexually Transmitted Infections (STIs)** refer to a variety of bacterial, viral and parasitic infections that are acquired through sexual contact or from mother to child during pregnancy and childbirth. Having STIs a profound impact on sexual and reproductive health, appropriate diagnostic methods should be a global priority. The World Health Organization estimates that more than 1 million STIs are acquired every day worldwide.

More than 30 pathogens are known to be the cause of STIs and 8 of them are linked to the greatest incidence. In the **AmpliRun® Total CT/NG/TV/MGE** control have been included 4 common microorganisms pooled that have been inactivated to render them non-infectious and formulated in transport medium.

Microorganism	Strain
<i>Chlamydia trachomatis</i>	Lymphogranuloma venereum (LGV II) strain 434
<i>Neisseria gonorrhoeae</i>	Type strain
<i>Trichomonas vaginalis</i>	Clinical isolate
<i>Mycoplasma genitalium</i>	Type strain

**AMPLIRUN® TOTAL CT/NG/TV/MGE CONTROL (SWAB)** is intended to validate and control sample processing, amplification and detection in nucleic acid assays based on the molecular identification of microorganisms related to STIs, using the product as an external run control.

Microorganisms were grown in the laboratory, inactivated and diluted in a transport medium containing cells obtained from epithelial human cell lines.

Each microorganism is in a concentration that ranges from **20.000-50.000 copies/ml** (precise information about the concentration is included in the product insert of the kit).

The use of **AmpliRun® Total Controls** will enable your lab to:

- Enhance the quality of the whole testing process: extraction and amplification
- Monitor all aspects of sample testing and instrument performance in the long term
- Monitor variations in laboratory procedures, including batches of assay reagents
- Validate and verify new assays
- Obtain reliable and comparable results
- Train laboratory personnel or use them for trial purposes
- Take corrective actions prior assay failure and detect and troubleshoot suspect results
- Comply with lab accreditation requirements

