

Urological and Reproductive Tract Microbial Nucleic Acid Test Kit

Fluorescent Probe-Based Real-Time PCR Assay

Urogenital infections are a significant global health burden, often involving mixed pathogens with subtle or overlapping symptoms. Without timely and accurate identification of the causative pathogens, these conditions can progress to chronic inflammation, infertility, malignancies, and adverse pregnancy outcomes, and may increase susceptibility to HIV infection.

This kit integrates the advantages of being comprehensive, rapid, accurate, and cost-effective, enabling the simultaneous detection of 31 key microbes in a single test. Leveraging advanced multiplex real-time PCR technology, it supports clinicians in assessing the vaginal microenvironment and identifying infection sources more quickly and precisely. This provides timely therapeutic guidance for patients and significantly enhances sexual and reproductive healthcare management.

Testing Principle

Multiplex real-time PCR is used to qualitatively detect and differentiate nucleic acids from 31 types of microbes. The assay is intended for use with female cervical swabs, cervical exfoliated cell samples, and male urethral swabs collected from patients or suspected patients with urological or reproductive tract diseases.



Product Features



High Sensitivity

LOD: 250 copies/mL



Quantitative Analysis

Provides relative quantitative results via software



User-Friendly

Lyophilized reagents for easy transport and simplified workflow



Wide Coverage

Simultaneously detects 31 microbes

Target Pathogens

	FAM	HEX/VIC	ROX	CY5
Reaction Well 1	<i>Ureaplasma parvum</i>	<i>Ureaplasma urealyticum</i>	<i>Mycoplasma hominis</i>	<i>Mycoplasma genitalium</i>
Reaction Well 2	<i>Candida albicans</i>	<i>Candida glabrata</i>	<i>Candida tropicalis</i>	<i>Candida auris</i>
Reaction Well 3	<i>Candida krusei</i>	Internal control	<i>Candida dubliniensis</i>	<i>Candida parapsilosis</i>
Reaction Well 4	<i>Streptococcus agalactiae</i>	<i>Corynebacterium minutissimum</i>	<i>Bartonella henselae</i>	<i>Actinomyces israelii</i>
Reaction Well 5	<i>Trichomonas vaginalis</i>	<i>Entamoeba histolytica</i>	<i>Neisseria gonorrhoeae</i>	<i>Haemophilus ducreyi</i>
Reaction Well 6	<i>Chlamydia trachomatis</i>	Herpes simplex virus II	Herpes simplex virus I	<i>Treponema Pallidum</i>
Reaction Well 7	<i>Lactobacillus crispatus</i>	<i>Lactobacillus jensenii</i>	<i>Lactobacillus gasseri</i>	<i>Lactobacillus iners</i>
Reaction Well 8	<i>Bifidobacterium</i>	<i>Fannhyessea vaginiae</i>	<i>Gardnerella vaginalis</i>	<i>Leptotrichia</i>

Application Scenarios

Evaluation of Urogenital Inflammation or Infection	Pre-abortion Pathogen Screening	Pre-conception / Prenatal Screening	Infertility Evaluation	Screening of High-risk Populations
For suspected urogenital inflammation and for recurrent or unexplained infections with negative cultures or poor treatment response.	For women scheduled for induced abortion to reduce the risk of postoperative reproductive tract infections.	For women preparing for pregnancy or already pregnant, to prevent miscarriage, preterm birth, and ectopic pregnancy related to infection.	For individuals with infertility or a history of adverse outcomes such as miscarriage, recurrent pregnancy loss, stillbirth, or preterm birth	For sexually active, immunocompromised, or menopausal individuals, and those with poor hygiene or overuse of vaginal disinfectants.

Ordering Information

Cat No.	Product Name	Format	Sample Types	Shelf Life	Storage	Kit Size	Certification
S08201T2024	Urological and Reproductive Tract Microbial Nucleic Acid Test Kit	Lyophilized	Cervical swabs/ Cervicalexfoliated cell samples/ Urethral swabs	12 months	2-8°C	24 Tests/Kit	CE

*The kit includes free software for automatic PCR result interpretation, providing positive/negative results and relative quantitative concentration values for reference.

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