

Urological and Reproductive Tract Microbial Nucleic Acid Test Kit

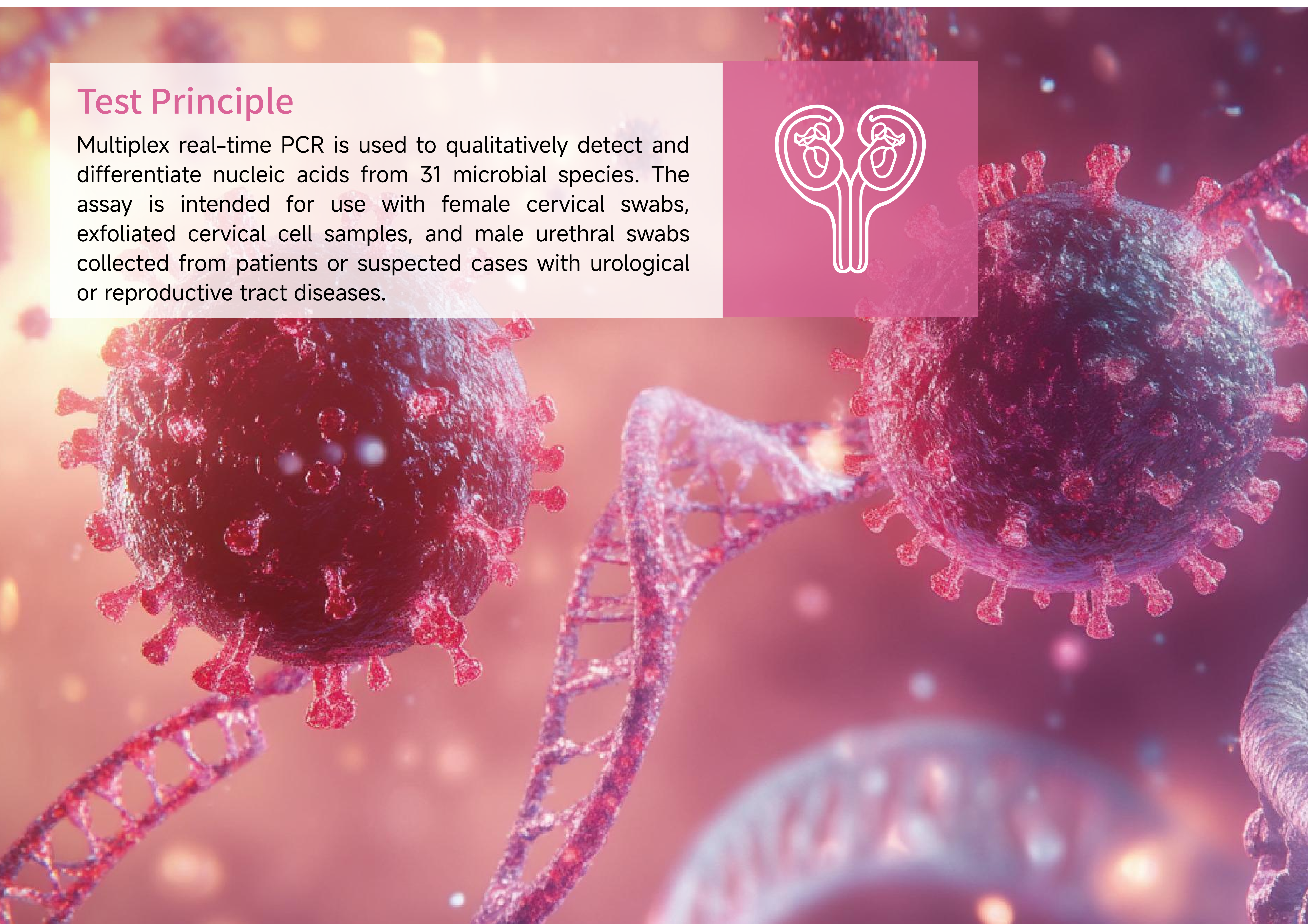
Fluorescent Probe-Based Real-Time PCR Assay

Urological and reproductive tract 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 comprehensiveness, rapidity, accuracy, and cost-effectiveness, 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.

Test Principle

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



Product Features

Wide Coverage Simultaneously detects 31 microbes	High Sensitivity LOD: 250 copies/mL
Relative Quantitative Analysis Provides relative quantitative results via software	User-Friendly Lyophilized reagents for easy transport and simplified workflow

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> (RUO)	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>Fannyhessea vaginae</i>	<i>Gardnerella vaginalis</i>	<i>Leptotrichia</i>

Application Scenarios

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

CE-IVD

Cat. No.	Product Name	Parameter	Format	Sample Types
S08201T2024	Urological and Reproductive Tract Microbial Nucleic Acid Test Kit	31-Plex (Well 1-8)	Lyophilized	Cervical swabs/ Cervical exfoliated cell samples/ Urethral swabs (male)
S08202T2024		15-Plex (Well 1/3/5/6)		
S08203T2024		23-Plex (Well 1/2/3/5/6/8)		

Shelf Life: 12 months Storage: 2-8°C Kit Size: 24 Tests/Kit

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

