

Ureaplasma Urealyticum Nucleic Acid Detection Kit

(PCR-Fluorescent Probe Method)

● Clinical Background

Ureaplasma Urealyticum (UU) is also known as mycoplasma urealytium, a kind of prokaryotic microorganism that lies between bacteria and viruses. UU is a common parasitic mycoplasma found in the human urogenital tract, existing symbiotically with the human body. However, under certain conditions, such as changes in the internal environment or a weakened immune system, UU can become pathogenic, typically causing urinary tract infections and reproductive system infections. UU has been associated with infertility, chronic prostatitis, cervicitis, recurrent abortion, stillbirth, and low birth weight in newborns.



● Product Introduction

Fluorescent probe technology is used for the qualitative detection of UU nucleic acids, providing a helpful tool for the clinical diagnosis of UU infections.

● Characteristic Advantages

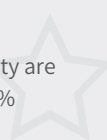
Sensitive

The LOD is 400 copies/mL



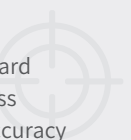
Specific

The accuracy and specificity are 99% above, and CV is <5.0%



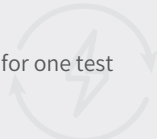
Accurate

β -globulin internal standard control and whole-process monitoring ensure the accuracy



Quick

It only takes 1.5 hours for one test



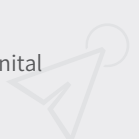
Automatic

It can be matched with CapitalBiotech DxLab-32A to realize the "sample in and answer out"



Convenient

It covers urine and genital secretion swab



● Clinical Application

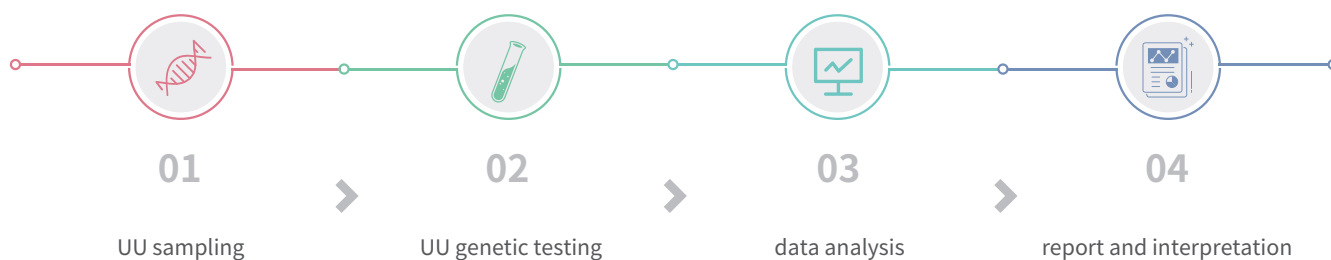
UU qualitative detection is used as the auxiliary diagnosis of UU infection, and suitable for relevant departments, including Obstetrics Department, Reproductive Center, Urology Department, Andrology Department, Dermatology & STD Department and other relevant departments.

● Clinical Significance

- Pre-pregnancy and in-pregnancy pathogen screening
- Diseases tests, including inflammation of urogenital system, STDs, infertility, etc.
- Artificially assisted reproduction examination before the induced abortion



● Test Process



● Applicable Instrument

It is suitable for

1. ABI 7500 Real-time Fluorescent Quantitative PCR Instrument
2. SLAN®-96S Automatic Medical PCR Analyzer
3. DxLab-32A Automatic Nucleic Acid Extraction and Real-time Fluorescent PCR Analysis System



● Product Information

Inspection Items	Spec.	Product No.	Product Qualification	Storage Condition and Validity Period	Sample Type
Ureaplasma Urealyticum ucleic Acid Detection Kit (PCR - Fluorescence Probe Method)	48 tests / kit	/	/	It shall be stored at -20°C±5°C in a dark place and valid for 12 months.	Urine, genital tract swab sample

CapitalBiotech

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