

Neisseria Gonorrhoeae Nucleic Acid Detection Kit

(PCR-Fluorescent Probe Method)

● Clinical Background

Neisseria Gonorrhoeae (NG), also known as gonococcus, is one of the main pathogens of gonorrhea and is a strict human parasitic bacterium. It has a special affinity for the single-layer columnar epithelium and transitional epithelial cells of urogenital system, making it prone to infecting the male urethra, female urethra and cervix, leading to infections of urethra, vagina, anus and more. In severe cases, it can cause complications in the reproductive and urinary systems, such as: salpingitis, pelvic inflammatory disease, and even infertility.



● Product Introduction

This product employs fluorescence probe technology to qualitatively detect NG nucleic acid, providing an auxiliary diagnosis for clinical NG infections.

● Characteristic Advantages

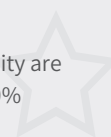
Sensitive

The LOD is 400 copies/mL



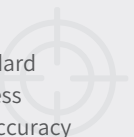
Specific

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



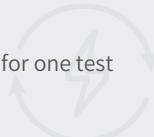
Accurate

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



Quick

It only takes 1.5 hours for one test



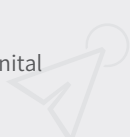
Automatic

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

NG qualitative detection is used as the auxiliary diagnosis of clinical NG 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 operation



● 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
Neisseria Gonorrhoeae Nucleic Acid Detection Kit (PCR - Fluorescence Probe Method)	48 tests / kit	/	/	It shall be stored at $-20^{\circ}\text{C} \pm 5^{\circ}\text{C}$ in a dark place and valid for 12 months.	Urine, genital tract swab sample

CapitalBiotech

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