

Genitourinary Tract Infection RNA RAPID Detection

Product Information	Target	Package	Mark
Neisseria Gonorrhoeae (NG) Nucleic Acid Assay (RNA Amplification - Lateral Flow Assay)	Neisseria Gonorrhoeae (NG)	50 Tests / kit	CE
Ureaplasma Urealyticum (UU) Nucleic Acid Assay (RNA Amplification - Lateral Flow Assay)	Ureaplasma Urealyticum (UU)	50 Tests / kit	CE
Chlamydia Trachomatis (CT) Nucleic Acid Assay (RNA Amplification - Lateral Flow Assay)	Chlamydia Trachomatis (CT)	50 Tests / kit	/

■ Background Introduction

Genitourinary Tract Infections (GUTS), which commonly caused by viruses, mycoplasma, and chlamydia, are mainly resulted by the Coinfection status of Neisseria Gonorrhoeae (NG), Chlamydia Trachomatis (CT), and Ureaplasma Urealyticum (UU). It tends to develop clinically insidiously and has a variety of complications.

GUTS can lead urethritis, epididymitis, prostatitis and infertility in men; urethritis, cervicitis, pelvic inflammatory disease and infertility, ectopic pregnancy and even abortion in women.

■ Features

Function

Target and product RNA to decrease the possibility of laboratory contamination

Acceleration

~1h to complete test

Strength

High sensitivity & specificity



Technology

Patent technology with low requirements of instruments

Evaluation

Using 18srRNA to control the sample quality

Recent

Positive result reflects present infection.

Components & Storage and Shelf Life

1. Components

Name	
Box A	
Cell Lysis Buffer	1.2 mL × 1
Amplification Enzyme	55 μL × 1
Amplification Buffer	300 μL × 3
Detection Solution	800 μL × 2
Negative Control	30 μL × 1
Positive Control	15 Tests × 1
Box B	
Detection Card	1 Test × 50



- * Type of Specimens: Reproductive tract swab
- * Do not mix reagents from different lots.
- * Reagents and consumables required but not provided:
 - Disposable sampling swab (Disposable flocking swab)
 - Cell Preservation Solution (Wuhan Zhongzhi Biotechnologies INC.)

2. Storage and Shelf Life

Box	Stored Temperature	Transport Temperature	Shelf Life
A	-40°C~-15°C	-40°C~-15°C	12 months
B	2°C~30°C	2°C~30°C	12 months

*Manufacture and expiration dates are shown on the label.

ZBI's Patent RNA Detection

RNA Amplification – Lateral Flow Assay (RGT) is ZBI's patent technology of RNA rapid detection. Cells directly lysis through cell preservation solution, then using RNA isothermal amplification and lateral flow assay to detect pathogens RNA rapidly.

Procedure and Equipment



1. Specimen Collection and Processing

Specimen Vortex



2. RNA Amplification

Specimen Amplification, temperature: 95°C and 42°C



3. Lateral Flow Assay

Amplification mixtures with 42°C

