

Xpert®
CT/NG

Xpert®
CT



Detect it in here. Stop it out there.

Xpert® CT/NG & Xpert® CT

The only tests for same-day consultation
and treatment.



*An on-demand test capable of delivering accurate results while patients are still present in the clinic provides a much-needed advantage in our efforts to control infectious diseases such as chlamydia and gonorrhea. Delays in treatment can lead to complications in about 1 in 25 infected women awaiting test results. In addition, the availability of results in less than **90 minutes** is especially important for patients presenting to Emergency Departments and in managing patients who may not return for treatment."*

Dr. Edward W. Hook III

Professor of Medicine and Epidemiology at the University of Alabama, Birmingham, and Director of the STD Control Program for the Jefferson County Department of Health



THE NEED

According to the European Centers for Disease Control and Prevention (ECDC), the rate of chlamydia infections reported doubled during the last decade. Gonorrhea rates are also rising, often as a co-infection. Both carry severe health consequences if left untreated.

What would help laboratories offering CT/NG testing?

- Accurate, reliable, and reproducible tests
- Enable onsite consultation & treatment of patients
- Less time preparing samples and reagents
- More test choices, fewer platforms



THE SOLUTION

Now anyone can run a CT/NG test with confidence. Each test cartridge contains everything you need, including three controls to ensure test integrity and performance. With Xpert® CT/NG, same-day patient consultation and treatment are now practical for clinicians.

On-demand CT/NG testing — a next generation solution:

- Sample adequacy control confirms patient sample is genuine
- CT target unique to Cepheid; selected for superior inclusivity
- Double your confidence with two independent NG targets
- More tests than any platform



THE IMPACT

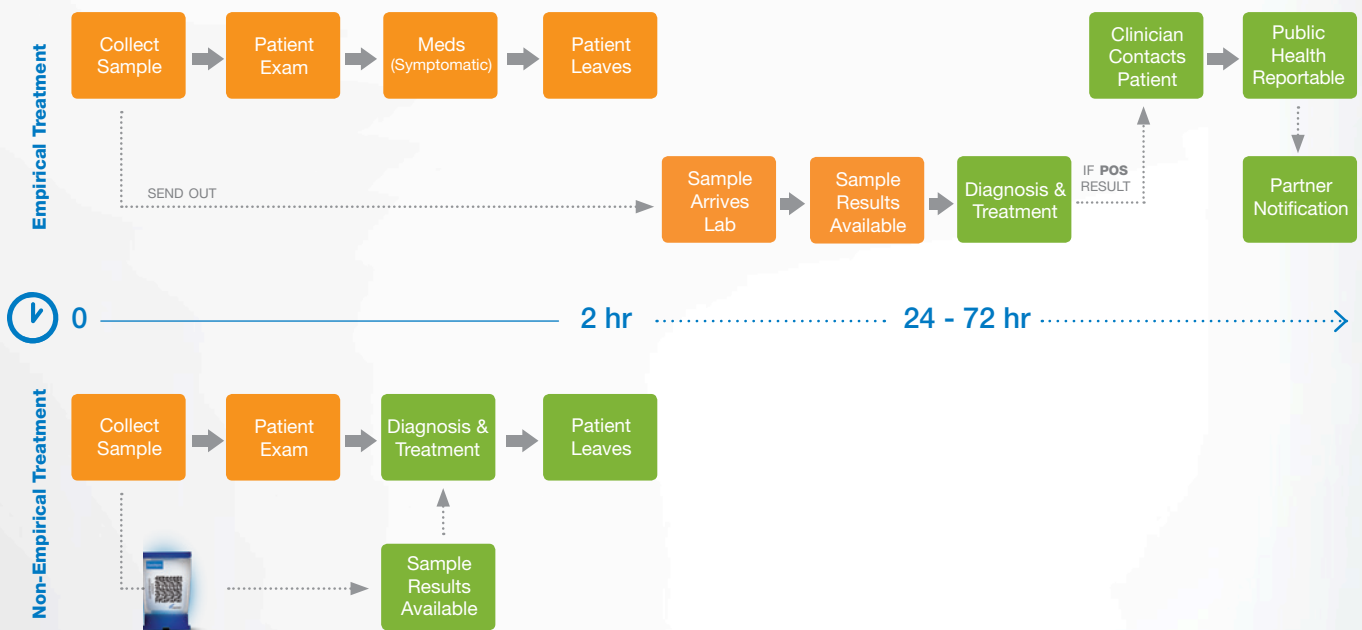
Speed and single-test confidence to make the most efficient use of your highly trained resources. Accelerate your laboratory's workflow with on-demand, random-access flexibility. Combine performance with the ability to run other tests (such as GBS, MRSA, *C. difficile*, and Flu) on the GeneXpert® System to achieve proven increase in overall laboratory level service.

Shift your lab from reactive to proactive

- Achieve same-day containment and improve patient management
- Deliver same-day results to clinicians with a 90 minute, on-demand test
- Contact patient faster
- Help more patients live healthier lives



IMPACT ON PATIENT PATHWAY: "TEST AND TREAT"







CLINICAL PERFORMANCE*

Clinical performance characteristics of the Xpert® CT/NG Assay were determined in a multi-site prospective investigational study at 36 US and UK institutions by comparing the Xpert CT/NG Assay to a patient infected status (PIS) algorithm based on results from two currently marketed NAAT tests.


Patient Collected Vaginal Swabs

	CT	NG
 Sensitivity	99.5%	100%
Specificity	99.1%	99.9%


Urine

	CT	NG
 Sensitivity	98.1%	94.4%
Specificity	99.8%	>99.9%

Endocervical Swabs

	CT	NG
 Sensitivity	96.0%	100%
Specificity	99.6%	>99.9%

Urine

	CT	NG
 Sensitivity	98.5%	98.3%
Specificity	99.8%	99.9%

* All performance results at 95% confidence interval. For details, refer to Package Insert.



CONFIDENT AND IN CONTROL

Each self-contained Xpert® cartridge controls for three specific failure modes:

- Sample Adequacy Control (SAC)
 - Confirms adequate patient sample is collected
 - Indicates sample is efficiently mixed and lysed
 - Deflects false negatives where no human cells are present
- Sample Processing Control (SPC), ensures the sample was correctly processed
- Probe Check Control (PCC), monitors reagent preparation and system in each and every cartridge



GeneXpert I



GeneXpert II

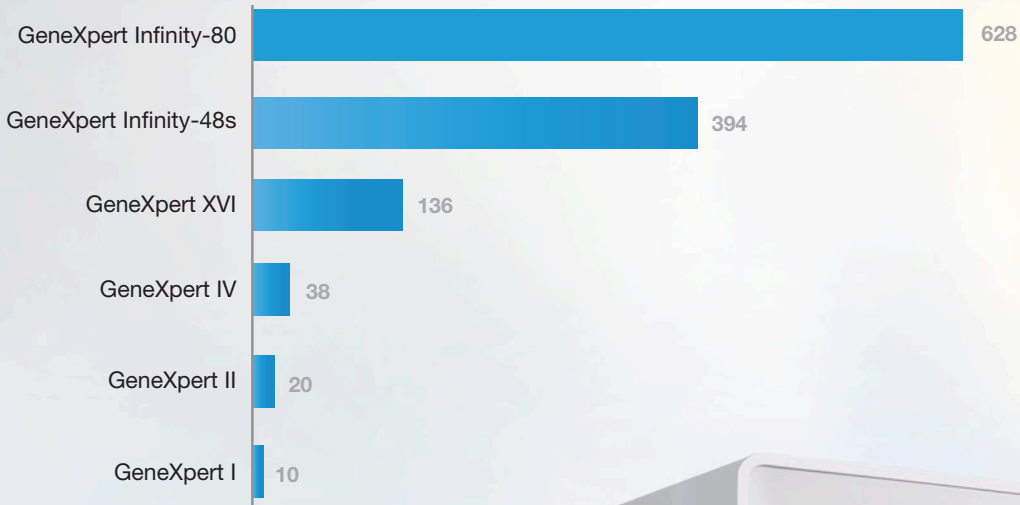


GeneXpert IV





REAL-WORLD SYSTEM THROUGHPUT*



* Operational throughput per 8-hr shift based on CT/NG testing; internal analysis.



GeneXpert XVI

GeneXpert Infinity Systems



WORKFLOW:

3 EASY STEPS

Total hands-on time: <1 Minute

1

Obtain either Urine or Swab samples previously stored in the Cepheid Transport Reagent



2

Transfer the sample to the cartridge



3

Insert cartridge and start assay



> **Xpert® CT/NG is a qualitative real-time PCR test for automated detection and differentiation of *Chlamydia trachomatis* (CT) and *Neisseria gonorrhoeae* (NG)**

CATALOG INFORMATION

Xpert CT/NG (10 tests)GXCT/NG-CE-10

> **Xpert® CT is a qualitative real-time PCR test for automated detection of *Chlamydia trachomatis* (CT)**

CATALOG INFORMATION

Xpert CT (10 tests) GXCT-CE-10

SPECIMEN KITS REQUIRED FOR PRIMARY SAMPLE COLLECTION AND TREATMENT:

Xpert Vaginal/Endocervical Specimen Collection Kits (50 ready-to-use individual kits) SWAB/A-50

Xpert Urine Specimen Collection Kits (50 ready-to-use individual kits) URINE/A-50

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