

CLIA WAIVED

# Xpert® Xpress Strep A

*Rapid, Quality Results. No Compromise.*



➔ **Now** you can have it all.

US-IVD. For In Vitro Diagnostic Use.





## Xpert® Xpress Strep A



### The Need

**Accurately diagnose pharyngitis caused by Group A Streptococcus (GAS).**

- Annually, **616 million people** have GAS pharyngitis, **more than 18.1 million people develop severe GAS** disease and more than **517,000 people die** due to severe GAS disease.<sup>1</sup>

**Reduce overuse of antibiotics for the treatment of pharyngitis**

- Based on recent literature **37% of children** presenting with pharyngitis tested positive for GAS, however **56% of visits were associated with antibiotic prescriptions**. Similarly, **18% of adults** presenting with pharyngitis caused by GAS, but **72% were treated** with antibiotics.<sup>2</sup>



### The Impact

- Accurate diagnosis of GAS supports antimicrobial stewardship and may reduce the amount of patients inappropriately prescribed antibiotics.
- Gain testing efficiencies and reduce costs by eliminating culture confirmation testing<sup>^,3</sup>
- Reduce the risk of GAS complications such as rheumatic fever and glomerulonephritis.
- Improve patient satisfaction with quicker time to result and appropriate prescriptions.



### The Solution

- Cepheid provides on-demand testing for Group A Strep in **as soon as 18 minutes**.<sup>\*</sup>
- Careful selection of the target gene produces quality results.
- Delivering accurate and timely results optimizes fast treatment decisions and eliminates the need to perform culture confirmation of negative results.<sup>^</sup>

<sup>\*</sup> For positive samples only; otherwise, the test runtime is approximately 24 minutes.

<sup>^</sup> Follow-up testing by culture is required if the Xpert Xpress Strep A test result is negative and clinical symptoms persist, or there is an outbreak of acute rheumatic fever (ARF).

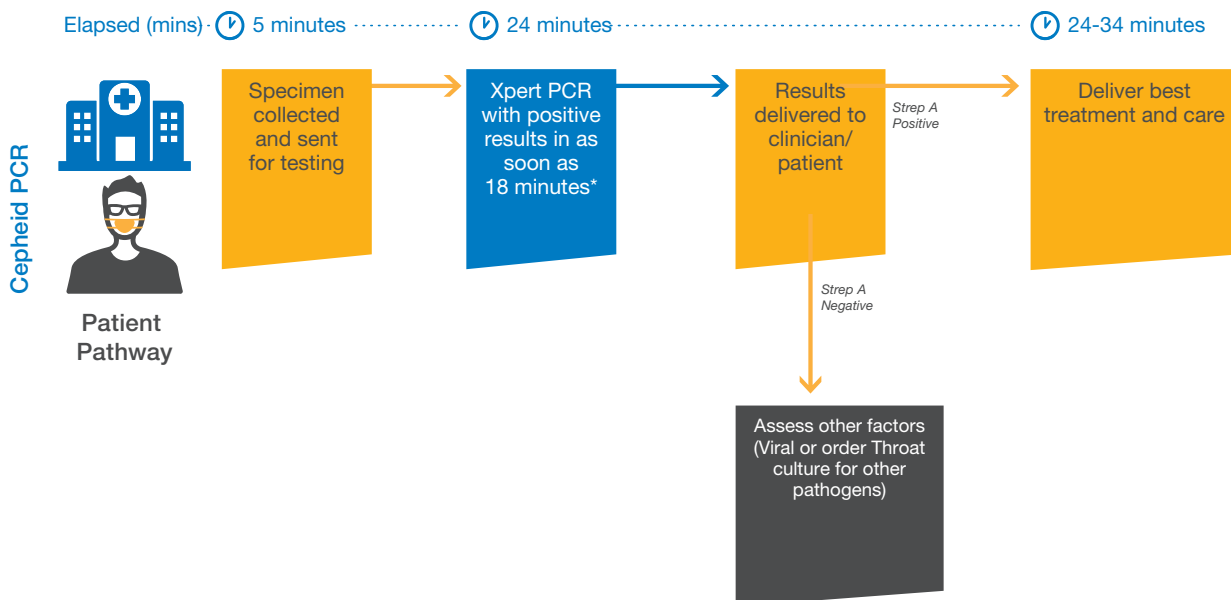
“ National guidelines for Pharyngitis recommend antibiotic therapy only for streptococcal pharyngitis.<sup>2</sup>”

The Infectious Disease Society of America further clarifies that, with the rare exception of infection by certain *Corynebacterium diphtheriae* and *Neisseria gonorrhoeae*, antimicrobial therapy is of no proven benefit as treatment for acute pharyngitis due to organisms other than Group A Streptococcus.<sup>4</sup>

## Impact on Outpatient Pathway

### Improving Patient Satisfaction

Xpert® Xpress Strep A provides medically actionable and timely information to clinicians to support improved patient management and antibiotic stewardship.



\* For positive samples only; otherwise, the test runtime is approximately 24 minutes.



## Workflow:

# 3 Easy Steps

1

Obtain throat swab specimen



2

Transfer sample to cartridge



3

Insert cartridge and start test



### CATALOG INFORMATION

Xpert® Xpress Strep A	10 tests	XPRSTREPA-10
	120 tests	XPRSTREPA-120

### COLLECTION KITS

### CATALOG INFORMATION

Copan ESwab in liquid Amies	480C or 480CFA
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### CPT CODE INFORMATION

### CPT CODE

Xpert® Xpress Strep A	Infectious agent detection by nucleic acid (DNA or RNA); Streptococcus, group A, amplified probe technique	MODERATE: 87651
		CLIA-WAIVED: 87651-QW

### References:

- 1 Sims Sanyahumbi A, Colquhoun S, Wyber R, et al. Global Disease Burden of Group A Streptococcus. 2016 Feb 10. In: Ferretti JJ, Stevens DL, Fischetti VA, editors. Streptococcus pyogenes : Basic Biology to Clinical Manifestations [Internet]. Oklahoma City (OK): University of Oklahoma Health Sciences Center; 2016-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK333415/>
- 2 Fleming-Dutra KE, et al. Prevalence of Inappropriate Antibiotic Prescriptions Among US Ambulatory Care Visits, 2010-2011. JAMA. 2016 May 3;315(17):1864-73.
- 3 Workflow studies conducted by Cepheid Solutions demonstrate that a throat culture confirmation workup costs~ \$9.13 per culture. (Average cost includes reagents, labor cost and time). Data on file.
- 4 Shulman ST, et al. Clinical Practice Guideline for the Diagnosis and Management of Group A Streptococcal Pharyngitis: 2012 Update by the Infectious Diseases Society of America. Clin Infect Dis. 2012 Nov 15;55(10):1279-82.

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