SMG
STEPHENS MOLECULAR GROUP

PHARYNGITIS PANEL

21-Target Multiplex Real-Time PCR Assay

Accurate Detection.
Better Outcomes.



PRODUCT CODE
SMG-PHR-2101

21 TARGETS
ACCURATE.
RELIABLE. TRUSTED.

CLINICAL OVERVIEW

The SMG Pharyngitis Panel is a 21-target multiplex real-time PCR assay designed for the rapid detection of viral and bacterial pathogens commonly associated with pharyngitis and respiratory tract infections. This comprehensive panel supports accurate diagnosis, timely treatment decisions, and improved patient outcomes.

CLINICAL APPLICATIONS

- Hospital Laboratories
- Physician Office Laboratories
- Urgent Care & Walk-In Clinics
- Long-Term Care Facilities
- Reference Laboratories
- Outpatient & Ambulatory Settings

KEY FEATURES

HIGHLY ACCURATE
Multiplex real-time PCR technology for reliable results

SIMPLE WORKFLOW
Easy-to-use protocol with minimal hands-on time

FAST TURNAROUND
Results in approximately 2–3 hours

BROAD COVERAGE
Detects a wide range of bacterial and viral pathogens in one panel

CLINICALLY VALIDATED
Designed and validated for accuracy and reliability

VALIDATION MATERIALS & SUPPORT AVAILABLE
Comprehensive documentation and validation assistance provided

COMPATIBLE PLATFORMS

Validated on leading real-time PCR instruments.



Thermo Fisher QuantStudio™ 5



Thermo Fisher QuantStudio™ 12 Flex

Other Compatible Real-Time PCR Systems

TARGETS INCLUDE:

Bacteria

- Bordetella pertussis
- Chlamydia pneumoniae
- Group A Streptococcus (GAS)
- Haemophilus influenzae
- Haemophilus influenzae type B
- Moraxella catarrhalis
- Mycoplasma pneumoniae
- Neisseria meningitidis
- Staphylococcus aureus
- Streptococcus agalactiae
- Streptococcus pneumoniae
- Streptococcus pyogenes

Viruses

- Adenovirus
- Coronavirus 229E
- Coronavirus HKU1
- Coronavirus NL63
- Coronavirus OC43
- Human Metapneumovirus (hMPV)
- Human Rhinovirus/Enterovirus
- Influenza A
- Influenza B

Internal Control

- RNase P (RPP30)

High analytical sensitivity and specificity for reliable results you can trust.

WHY STEPHENS MOLECULAR GROUP?

We do more than supply reagents. We partner with your laboratory for long-term success.

ASSAY IMPLEMENTATION
Expert guidance for smooth assay adoption and integration.

VALIDATION PLANNING
Customized plans to meet regulatory and accreditation requirements.

SOP DEVELOPMENT
Comprehensive standard operating procedures tailored to your lab.

WORKFLOW OPTIMIZATION
Improve efficiency, reduce costs, and maximize productivity.

STAFF TRAINING
Hands-on training and resources for your laboratory team.

ONGOING TECHNICAL SUPPORT
Responsive molecular expertise when you need it.

MOLECULAR LABORATORY CONSULTING
Strategic support for growth and operational excellence.

INSPECTION READINESS ASSISTANCE
Support for CAP, CLIA, and other regulatory inspections.

VALIDATION MATERIALS & SUPPORT AVAILABLE
Ask about our comprehensive validation materials and support.