

THE KEY TO DIFFERENTIATE BACTERIAL FROM VIRAL INFECTIONS

Today, providers cannot reliably determine if the cause of infections is viral or bacterial, and [20-40% of all antibiotic prescriptions are unnecessary and inappropriate](#). This risks the individual patient's health, increases the cost associated with treating them, and puts others at risk of acquiring drug-resistant infections.

Conventional tests and methods to help prescribers distinguish bacterial and viral infections are often unreliable. Biomeme's novel HR-B/V Test is here to change that.



INTRODUCING

HR-B/V TEST

by Biomeme

To reduce the unnecessary use of antibiotics, [Biomeme](#), a leader in automated real-time PCR testing solutions, is launching a fast, affordable, accurate, and easy-to-use blood-based Host Response Test (HR-B/V) on their Franklin® ISP platform to quickly help providers differentiate bacterial from viral infection.

CAPABILITIES



25 TARGETS

Simultaneously measure 22 host response targets, two normalizing genes, and one control to determine bacterial and/or viral infection.



RT-QPCR

The gold standard of molecular testing ensures rapid, reliable results in a wide variety of settings, including, but not limited to, ERs, hospitals, outpatient clinics, nursing homes, and pharmacies.



MRNA GENE SIGNATURES

Three unique mRNA host gene expression signatures to reliably detect and differentiate bacterial and viral infections.



ACTIONABLE RESULTS

Highly accurate qualitative results to help providers respond with a clear and accurate action plan based on actionable data.



FULLY AUTOMATED CAPABILITY

A hand-held, battery-operated instrument with integrated sample prep, the Franklin® ISP platform is ideal for syndromic pathogen detection and measuring host gene expression.

ADDITIONAL HOST RESPONSE USES

In addition to differentiating bacterial from viral infections, we are currently pursuing research opportunities to determine other conditions and applications for which the assay may have utility.

Areas of interest include:

- Fungal Infection Identification
- De-escalation of antibiotic therapies
- Infection Severity
- Pre-symptomatic viral detection



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