

# 10X Essentials

Geisinger

Diagnostic Medicine Institute

## Infectious Disease Diagnostics

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**NEW: Rapid Blood Culture Molecular Testing for BOTH  
Aerobic and Anaerobic bottles will launch on Jan 16, 2019.**

As of Jan 16, 2019, hospitals at Geisinger Shamokin Community Hospital, Geisinger Bloomsburg, Geisinger Lewistown, and Geisinger Community Medical Center will perform standardized Blood Culture PCR (BCID) on BOTH aerobic and anaerobic bottles from the BACTEC Blood Culture System. The first bottle to flag positive will be tested; subsequent bottles will have Gram stain performed and repeat PCR will only occur IF there is a new Gram morphology noted or 72 hrs. elapse from the first positive bottle. Susceptibility testing will be performed as usual.

**NEW: FluWorks Launches at CareWorks !**

In a collaboration with Geisinger Careworks, Geisinger Medical Laboratories and the Community Practice Service Line (CPSL), launched molecular testing for influenza A and B, strains at ALL 15 CareWorks sites. The launch is a milestone for Geisinger's vision of population health and personalized medicine. Patients will be accurately diagnosed in as little as 20 minutes with the on-site testing platform so that antiviral therapy can be focused on the patients for which it is intended – those with influenza A and B infections. Check out this link to read about the CareWorks launch. <https://www.citizensvoice.com/news/flu-season-in-full-swing-in-nepa-1.2431572>. Many rapid flu tests are highly inaccurate (as low as 40% accurate) but the Careworks Flu test is highly accurate (> 95-98%). Geisinger launched the on-site Flu/RSV testing in its Geisinger Regional Laboratory in 2016 and named it FluWorks. The extension of flu testing to CareWorks is an example of our commitment to patients, providing leading edge technology, close to home for our patients.

You can read about the first FluWorks launch, which statistically improved stewardship of antiviral medication in the Geisinger Regional Laboratory. <https://www.sciencedirect.com/science/article/pii/S0732889318306631>



**REMINDERS**

Blood Culture PCR will automatically be tested on first positive blood culture bottles, and on any NEW gram morphology, and every 72 hrs. if bacteremia persists.

FluWorks testing milestones at CareWorks and GRL!

Check out 10X Essentials on YAMMER <https://www.yammer.com/>



## Respiratory View

In 2019 MMWR CDC Week 2, influenza A is the predominant virus, followed by RSV, and rhino/enterovirus.

Treatable virus infection (influenza A and B) represent 35% of total viruses present in the Geisinger region. Of Influenza A, Strain H1 2009 greatly predominates.

