PRESS NEWS

New publication by Gradientech and Uppsala University on rapid AST platform

Uppsala, February 26, 2020. Gradientech today announces the scientific publication of a novel multiplex fluidic chip for rapid antibiotic susceptibility testing (AST). The chip can generate AST results within 2-4 hours, which is at least 20 hours faster than current AST methods used in hospital laboratories.

There is an unmet need for faster and more precise AST methods that can determine which antibiotics will be most effective against a bacterial infection in a timely manner. This is particularly important for time-critical conditions like sepsis, where every minute without appropriate treatment reduces the chance of survival.

The results obtained with the multiplex fluidic chip serve as a proof-of-concept for the commercial QuickMIC® AST system that Gradientech is currently developing, which is based on the same proprietary technology. This rapid AST technology has the potential to enable faster and targeted treatment initiation in sepsis patients, thereby contributing to improved clinical outcomes, reduced healthcare costs and help in the fight against antibiotic resistance.

The study findings have been published in mBio, a prestigious open access journal from the American Society for Microbiology. To access the full article, follow the link below:
https://mbio.asm.org/content/11/1/e03109-19

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TO THE EDITORS

About Gradientech AB (publ)

Gradientech is a Swedish biotech and diagnostic company focusing on innovative microfluidic product development. We provide systems for high-quality analysis of cell behaviour in response to gradients of biomolecules. Gradientech is currently developing QuickMIC®, an ultra-rapid system for antibiotic susceptibility testing. QuickMIC is designed to offer personalized treatment options for sepsis patients, thereby contributing to increased survival, reduced healthcare costs and lower antibiotic resistance. www.gradientech.se