

quickMIC[®]

Ultra-rapid phenotypic AST



Precise Antibiotic Guidance. In Record Time.



Distributed by



QuickMIC®

Bringing the Benefits of Ultra-Rapid AST to **Every Lab.**

✓ **Ultra rapid.**
Results in 2–4 hours.

QuickMIC is the fastest AST system on the market, delivering MIC values directly from positive blood cultures in 2–4 hours.¹

✓ **Superior precision.**
Clinically actionable results.

QuickMIC facilitates phenotypic antibiotic susceptibility testing with high precision and accuracy.¹

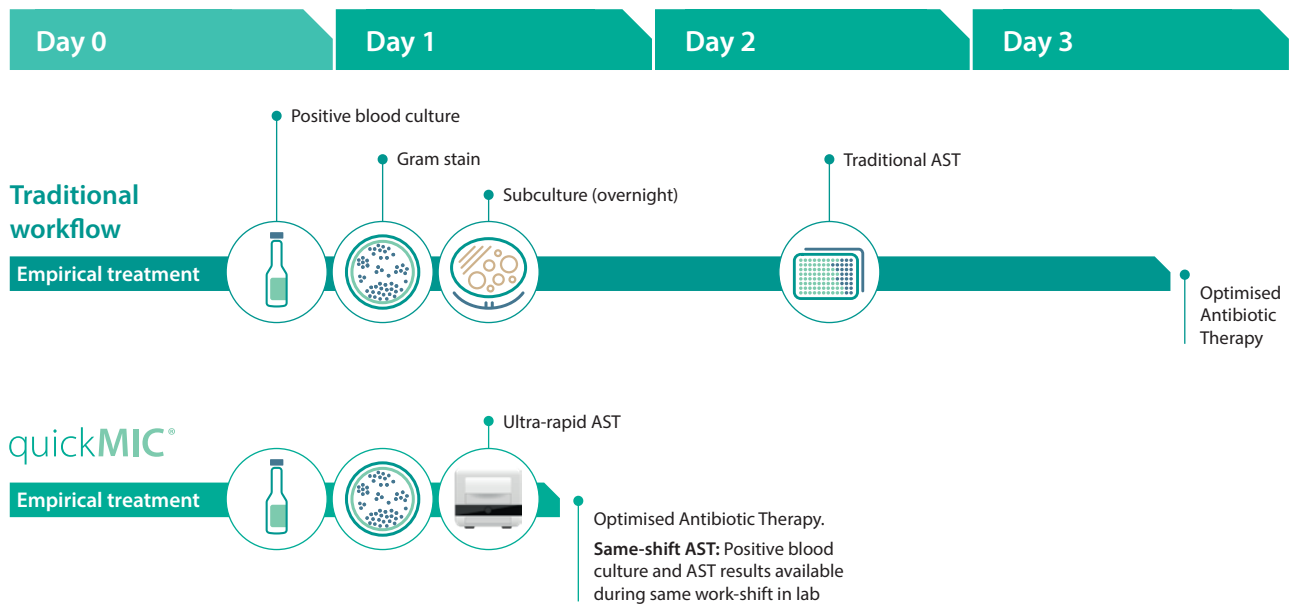
✓ **Start small.**
Scale up as needed.

QuickMIC is small and modular and allows laboratories to stack up to 12 instruments for increased capacity – as needed.



Saving Antibiotics. Saving Days. Saving Lives.

Traditional AST methods can delay targeted therapy by up to 48 hours, putting sepsis patients at greater risk. QuickMIC® addresses this delay by providing precise MIC values in just hours, enabling clinicians to select the most appropriate antibiotics faster for optimised treatment.



From Days to Hours. Same-shift Antibiotic Decisions.

With an average time to result of 3 hours and 13 minutes¹, QuickMIC enables same-shift antibiotic treatment decisions. Ultra-rapid AST reduces unnecessary broad-spectrum antibiotic use, minimising selective pressure and supporting therapeutic strategies – benefiting patients, hospitals, and society.



Sepsis patient

Survival and improved health

8% decrease in survival for every hour until effective antibiotic treatment.²

Hospital

Cost savings per patient

Implementing rapid AST can save €1 600² – €3 000^{3,4} per sepsis patient solely from shortened length of stay.

Society

Preserve antibiotics for future

Rapid AST will reduce time on empirical broad-spectrum antibiotics and fight AMR.

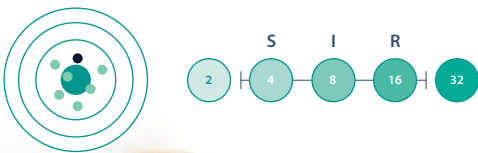
1. A multicenter evaluation of a novel microfluidic rapid AST assay for Gram-negative bloodstream infections. Berinson et al., (2024, J of Clin Microbiology) <https://pubmed.ncbi.nlm.nih.gov/39324811/>
 2. Duration of hypotension before initiation of effective antimicrobial therapy is the critical determinant of survival in human septic shock. Kumar et al. (2006, Crit Care Med) <https://pubmed.ncbi.nlm.nih.gov/16625125/>
 3. The Economical Value of Rapid AST in Reducing Length of Stay of Septic Patients. Bains et al. (2022, Anaesthesia & Surgery) <https://irispublishers.com/asoaj/pdf/ASOAJ.MS.ID.000530.pdf>
 4. Health economic model for AST using QuickMIC – external validation, Nordic Health Economics 2016

How QuickMIC® Leverages Linear Antibiotic Gradients for **Precise Results.**

QuickMIC delivers AST results with high precision and low variability¹. Unlike conventional AST methods that rely on broad dilution steps, QuickMIC uses continuous linear antibiotic gradients, providing accurate and precise MIC values that enable confident, informed antibiotic treatment decisions.

2-fold dilution steps

Broth microdilution uses 2-fold dilution steps, leading to higher variability and increased risk of errors.



Linear MIC values on a continuous linear scale

QuickMIC and its linear antibiotic gradient technology delivers precise MIC values with high precision and low variability.



From Setup to Result. We Are with You All the Way.

- ✓ Bi-directional LIS connectivity.
- ✓ QuickMIC can be combined with your rapid ID method of choice.
- ✓ Fast and easy to update with the latest version of EUCAST breakpoint tables and expert rules.
- ✓ Comprehensive, tailored training and dedicated support to ensure seamless implementation and optimal use.
- ✓ Validated for *E. coli*, *K. pneumoniae* complex, *K. oxytoca*, *K. aerogenes* and *K. variicola*, *P. aeruginosa*, *A. baumannii-calcoaceticus* complex, *Enterobacter cloacae* complex, *P. mirabilis*, *P. vulgaris*, *C. koseri*, *C. freundii* and *S. marcescens*.

QuickMIC GN Panel:

- Amikacin
- Cefepime
- Ciprofloxacin
- Colistin
- Cefotaxime
- Ceftazidime/ Avibactam
- Ceftazidime
- Gentamicin
- Meropenem
- Piperacillin/ Tazobactam
- Tigecycline
- Tobramycin

Join the Ultra-Rapid AST Revolution Today.



“The QuickMIC® system, owing to the speed and short time to result has enabled us to completely change our workflows within the lab and change our way how we communicate results to the clinician. In the future, we hope that these changes will translate into lives being saved.”

Holger Rohde, MD Prof. Molecular Microbiology

Deputy Head of the Institute for Medical Microbiology, Virology and Hygiene
at Universitätsklinikum Hamburg-Eppendorf



Speed. Precision. Confidence.

QuickMIC® delivers ultra-rapid, reliable MIC values – giving clinicians the precision they need to make informed antibiotic decisions when time is critical. Discover how QuickMIC can enhance your lab's workflow and support life-saving treatments.

Learn more at www.gradientech.se



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The QuickMIC system and its Gram-negative panel are CE marked. The QuickMIC system is not FDA 510(k)-cleared and not available in the U.S.
The QuickMIC system has received Breakthrough Device Designation from the U.S. Food and Drug Administration (FDA).