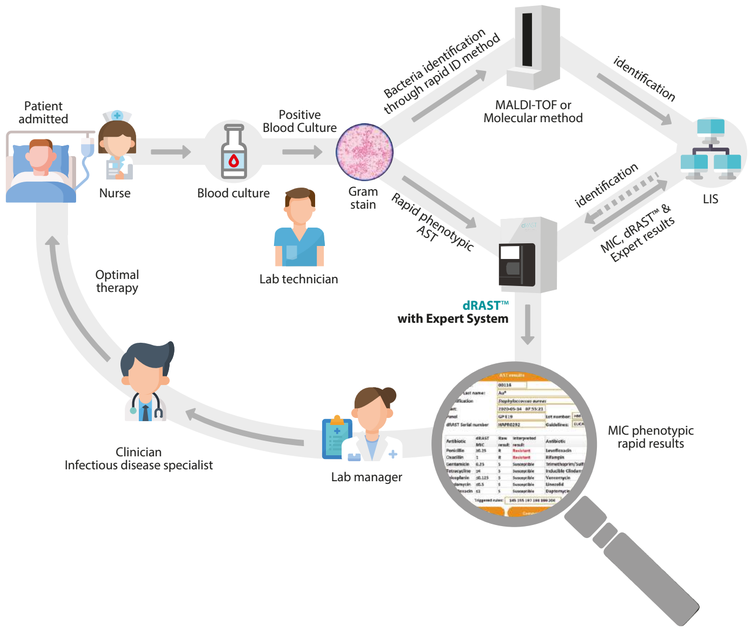
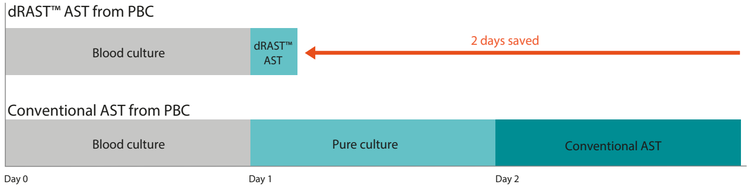
Workflow & Added value

dRAST™ brings Rapid Phenotypic MIC results interpreted with dRAST™ Expert System in as low as 4 hours enabling antibiotic therapy to be adapted for optimal Patient & Stewardship use.



Up to 48 hours saved compared to conventional Antimicrobial Susceptibility Testing methods for the utmost patient & healthcare system benefits.



Our mission

Helping you care for Sepsis patients

1. Improve Patient Health & Comfort
2. Bring innovative solutions in rapid AST testing for laboratories & clinicians
3. Participate in reducing healthcare costs for patients in urgent care
4. Contribute to fighting Antimicrobial Resistance

FAST
Rapid AST with MIC & SIR direct from PBC

COMPREHENSIVE
Full Expert System on board with dynamic algorithm

SIMPLE
Easy to use interface with low hands-on time

RANDOM ACCESS
Continuous loading for optimal handling of urgent care patients

FLEXIBLE
Incorporating international guidelines & recommendations: EUCAST, CLSI & CA-SFM

CONNECTED
LIS Bi-directional with easy Bacteria Identification integration

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Ref. MKT-BDRA002EN C

dRAST™

Rapid AST on Positive Blood Culture

QUANTAMATRIX

dRAST™ provides phenotypic MIC results in as low as 4 hours upon Positive Blood Culture samples (PBC). After a simple gram stain, PBCs are directly run on dRAST™ without any additional prep time.

dRAST™ uniquely combines 2 re-invented reference methods & 21st century technology: broth micro-dilution & drug diffusion in addition to proprietary time-lapse imaging.

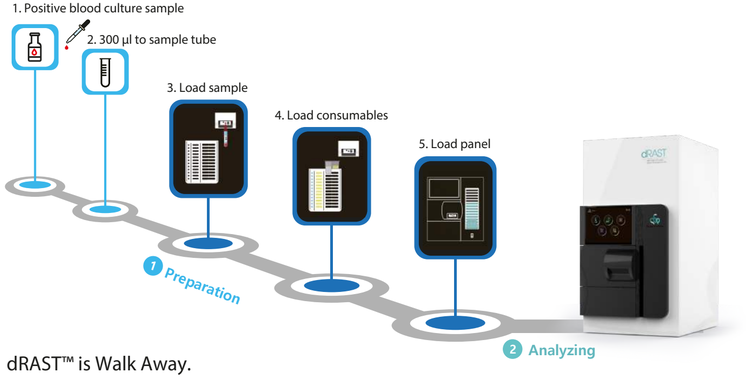
PBC is mixed with liquified agar ultimately forming a solid phase with fixed bacteria. Mueller-Hinton media then rehydrates dried antibiotics to form a liquid phase that interacts in diffusion with fixed bacteria.

No need for extra chemical or dye, the bacteria integrity is preserved. The algorithm dynamically analyses the interaction between bacteria and drugs for optimal MIC determination. The built-in dRAST™ Expert System then interprets the results allowing the Microbiology lab to get results within same shift of PBC.

dRAST™ Key Features

- Dedicated to Positive Blood Culture samples
- Provides phenotypic MIC in as low as 4 hours
- Random access with up to 12 samples simultaneously
- Expert system on board with choice of international guidelines
- Easy start with no Mc Farland required, no sample prep
- 2 panels: 1 Gram Neg. + 1 Gram Pos.
- Easy to use, fast to operate
- No daily maintenance

Hands on time less than 1 min



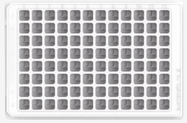
dRAST™ is Walk Away.

- Simply take aliquot from PBC sample, load it on dRAST™ with consumables, panels and walk away
- Let dRAST™ handles everything else – preparation, incubation & analysis

Technology

The best of both worlds

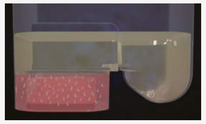
Broth microdilution re-invented for optimal phenotypic MIC



96 well plate with unique
2 compartments in each well allowing interaction
of fixed bacteria and rehydrated antibiotic

Variation of drugs and concentrations in wells provide optimal phenotypic MIC

Diffusion in liquid-solid media

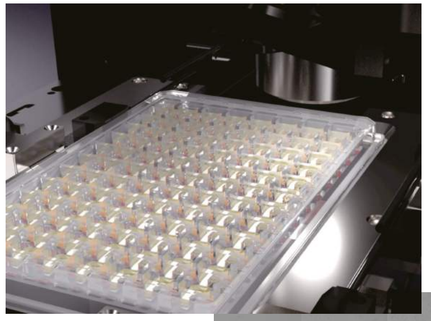


Heterogeneous phase brings fixed bacteria in solid media to interact with various concentrations of multi-drug panel

Agar to be mixed with positive blood culture

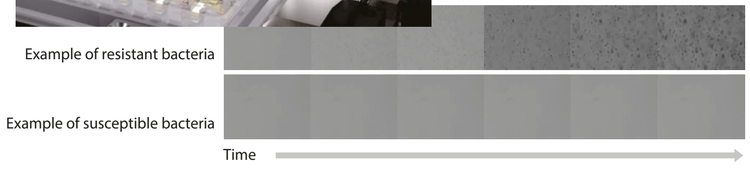
Mueller-Hinton media to rehydrate drugs and constitute liquid phase

Time-lapse imaging featuring proprietary QuantaMatrix® algorithm



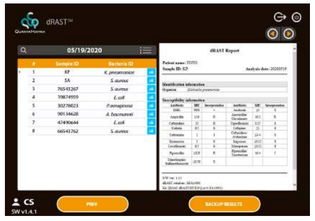
Dynamic reading optimizes interpretation to shorten time to results with bug-drug combinations in as low as 4 hours.

dRAST™ prompts the User whenever a result is ready to be reviewed providing unmatched added-value into the demanding microbiology lab.



Intuitive User interface

- Intuitive interface with minimal training
- Easy navigation & operation
- dRAST™ prompts for results to be validated



dRAST™ Expert System with international & local guidelines

Maintained by QuantaMatrix, dRAST™ Expert System.
Integrates the latest recommendations by EUCAST, CLSI & CA-SFM.
Raw data and interpreted results available and displayed at all times.

Results are displayed in a single screen with MICs and SIR determination.
All information is gathered for optimal decision making.

Activated comments and rules are listed for each sample allowing the User to get all relevant information to be provided to Clinicians and Infectious Disease Specialists.