

ALIFAX MICROBIOLOGY LINE

ALI
FAX

ALFRED 60/AST

FOR RAPID BACTERIAL CULTURE
AND RESISTANCE DETECTION

Over the years, the Microbiology laboratory workload exponentially increases, therefore **new faster and more effective methods** of analysis are needed to overcome the limitations of conventional methods that include longtime of analysis and low level of automation. Rapid microbiological method technologies aim to provide more sensitive, accurate, precise, and reproducible test results when compared with conventional ones.

ALFRED 60/AST is the **fully-automated** instrument able to perform, with dedicated reagents, **rapid bacterial culture**, Residual Antimicrobial Activity (**RAA**) test, clinical antimicrobial susceptibility testing (**AST**) and rapid phenotypic screening of Multi-Drug Resistant organisms (**MDRO**), in a few hours with **high sensitivity and specificity**.

Automated process from the sample inoculum step, reading step to the result transmission.



**FULLY
AUTOMATIC**



PHENOTYPIC

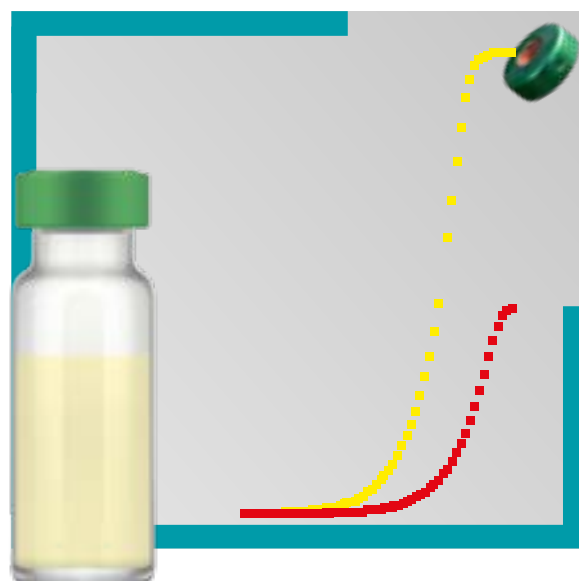


EASY TO USE



Real-time growth curve detection of live microorganisms with single sample management

- Quantitative results expressed in CFU/ml
- Customizable thresholds and incubation time
- Continuous loading
- 37°C incubation
- McFarland Monitor option
- Refrigerated area at + 10°C for positive-sample storage
- Automatic reagents and samples dispensing
- Universal rack compatible with different tube sizes
- Use of closed tubes in compliance with the law in force
- HB&L connection option to increase throughput



TEST AND APPLICATIONS

Urine Culture	3 hours, cutoff 30.000 CFU/ml
Residual Antimicrobial Activity (RAA) test	Simultaneously to the culture test
Human Biological Liquid Bacterial Culture	6 hours, cutoff <50 CFU/ml
Bacteria Culture on special sample	6 hours, cutoff <50 CFU/ml
MDRO culture screening	6,5 hours
Aerobics, Anaerobics and Yeast/Fungi detection for microbiological suitability tests	48 hours
Susceptibility testing with customised antibiotic panel for: Urine, Human Biological Liquids, Positive Blood Culture, Isolated Colonies	3 or 5 hours

ALFRED 60/AST code SI 105.100/AST

CE IVD MARKED

Bibliography available at www.alifax.com

ALIFAX S.r.l.

Via Petrarca, 2/1 - Polverara (PD) - Italy

(+39) 049 0992000 | info@alifax.com | www.alifax.com

Entered in Padova companies register at the n. 04337640280. Company stock € 10.000.000 entirely deposited.

Company with single partner and subjected to direction and coordination of Alifax Holding.