ALI FAX®

Believe in Innovation

SIDECAR

FIRST AUTOMATED STREAKING SYSTEM INTEGRATED WITH THE RAPID BACTERIA CULTURE

Alifax presents the real walk-away system for rapid bacterial culture and plate streaking of liquid samples.

The system is composed of two units: **Alfred 60^{AST}** and **Sidecar.**

Thanks to the Light Scattering technology, Alfred 60^{AST} detects the **presence of bacteria** and their **drug resistance** in a few hours with high sensitivity and specificity.

Alfred 60^{AST} monitors the growth phases of bacteria from the inoculum step into specific culture broths providing **real time growth curves** and **quantitative bacterial results in CFU/ml.**

Broth turbidity level is detected by the **McFarland Monitor** and as the sample reaches the 0.5 McF it is buffered into the refrigerated area and then tested with a **customised antibiotic panel.**

Sidecar is an automated streaking system able to store **240 Petri dishes** and up to **12 different media.**

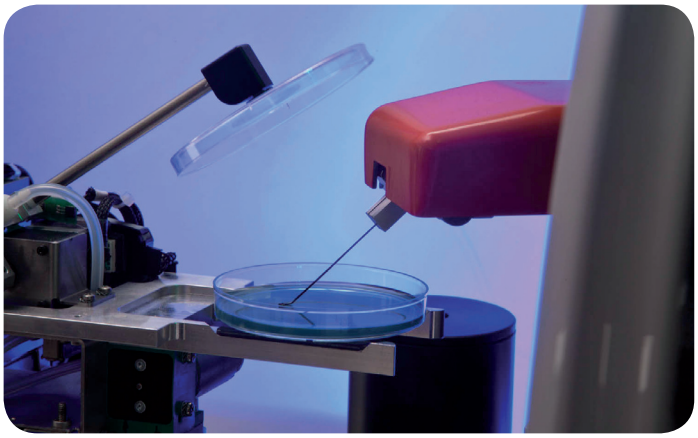
The streaked dishes are **incubated on board at 37°C** for the requested analysis time.

In the main operating setting **only the positive samples are plated automatically.**

Advantages

- **Negative samples are reported in one day**
- **Significant reduction of streaked samples**
- **Saving materials and time for reading**
- **Different streaking patterns**
- **Incubation on board at 37°C**
- **Single sample management with customized analysis profile settings**
- **Automated barcode labelling for single plate**
- **Compatible with different primary disposable tubes**

All the applications currently offered by Light Scattering technology are kept unchanged thus **Bacterial Culture of Biological Liquids** and **MDRO screening results are available in 6 hours while Susceptibility testing results in 3 hours.**

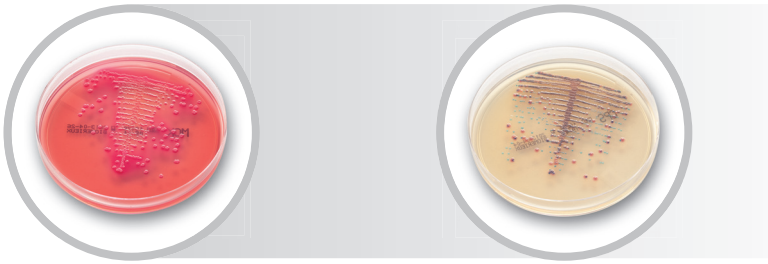


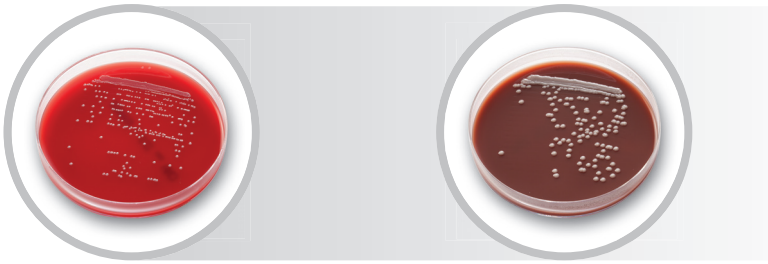
THE FIRST REAL WALK-AWAY SYSTEM!

TESTS 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
MRSA culture screening	**6,5 hours**
MDRO culture screening	**6,5 hours**
Susceptibility testing with customised antibiotic panel for: · Urine · Human Biological Liquids · Positive Blood Culture · Isolated Colonies	**3 hours**

lightscattering





FEATURES

- Light Scattering Technology
- Quantitative results expressed in CFU/ml
- Automated susceptibility testing with customised antibiotic panels
- Real time detection of bacterial growth curves
- Automatic reagent and sample dispensing
- Continuous loading of primary closed tubes
- Automatic results reading and reporting
- Built-in barcode reader for automatic sample identification
- LIS bidirectional interface and Query Host application
- Connection to HB&L for increased capacity
- Refrigerated area at + 4°C for the storage of primary samples, antibiotics and 0.5 McFarland positive samples
- Storage area for 240 petri dishes
- Up to 12 different culture media
- Incubator at 37°C for 240 petri dishes
- Automated labelling system for single plate
- Calibrated Loop automated sterilisation with heat before and after each streaking procedure
- Different streaking procedures
- Single sample management with customised analysis profile: incubation time, analytical protocol, cut-off and solid media selection
- Batch and expiry date management software
- User friendly software with touch screen
- HEPA filter

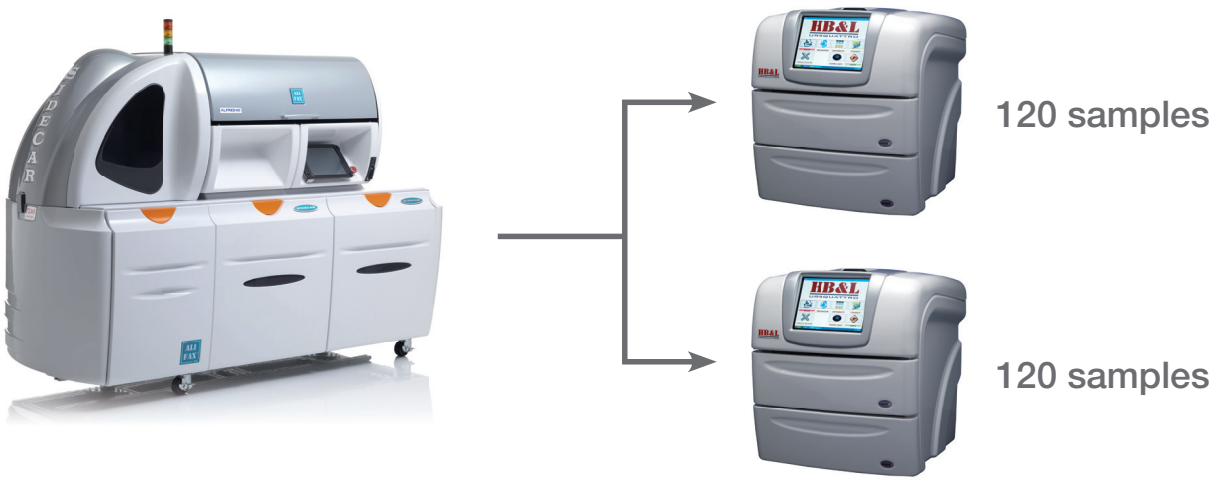
WORKING PROCEDURES

1. Rapid Bacterial Culture through Alfred 60AST
2. Streaking of primary samples detected positive at Rapid Bacterial Culture
3. Streaking of samples such as Urine, liquid swabs, other liquid samples in different primary disposable tubes
4. Streaking of bacterial suspension from positive culture vial (URO-QUICK SCREENING KIT, HB&L culture kit, MDRO kit)

SIDECAR & HB&L CONNECTION

Following sample inoculation into the vials through Alfred 60^{AST}, all vials can be transferred to one or more HB&L along with the growth curve data allowing continuous analysis.

60 samples



Alfred 60^{AST} Sidecar system - technical features

Size: 2250x860x1600 mm
Weight: 570 Kg

Power supply: 230VAC ± 10% or 115VAC ± 10%
Power consumption: 530 W

Frequency: 50 or 60 ± 2 Hz
Room operating temperature: +15÷30 °C

1500 VA UPS requested

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