

## INFLAMISTRAT BIOCHIP

EARLY DIAGNOSIS CAN MAKE A DIFFERENCE



### Powered by Biochip Array Technology

Biochip enables rapid and precise multianalyte detection from a single patient sample, utilising a biomarker algorithm to offer a highly sensitive screen for inflammation stratification.



Biochip enables clinicians to **accurately identify and classify inflammatory states**, triage, and intervene immediately.



Biochip **monitors patient response to treatment in real time**, enabling faster tailored clinical intervention.



Biochip **improves patient outcomes** through rapid targeted treatment plans and trials.



Biochip could save **UK hospitals £3.3 million/year** through shorter ICU stays alone.

# Data-Driven Risk Stratification

Studies have shown that clinicians can improve patient survival rates in acute respiratory distress syndrome (ARDS) patients by distinguishing between two consistently identified phenotypes.

It is crucial to identify the hyperinflammatory phenotype quickly so that clinicians can make informed decisions regarding patient management options, which are essential in improving survival.

## APPLICATIONS

Stratifies Into:



**Hyper**inflammatory

or



**Hypo**inflammatory

## PROBLEM

Current lab-based tests often require sample batching and have long turnaround times:

- 1 Delaying phenotype identification
- 2 Prolonging treatment initiation and/or adjustment
- 3 Increasing length of ICU stays
- 4 Escalating pressure on hospital resources
- 5 Increasing morbidity and mortality rates

## SOLUTION

Patient Pathway with Evidence MultiSTAT



1

Patient presents with ARDS symptoms



2

Immediate testing with Evidence MultiSTAT



3

Aids rapid phenotype identification in 36 minutes



4

Tailored and targeted treatment plans

## Biomarkers

Soluble Tumour Necrosis Factor Receptor 1 (sTNFR1)

Interleukin-6 (IL-6)

## Product Information



**Sample Type**  
Plasma



**Samples Per Cartridge**  
2



**Sample Volume**  
250 µl



**Result Type**  
Quantitative



**Time to Result**  
36 Minutes

**InflamiSTRAT Biochip** – For use on the Evidence MultiSTAT analyser

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