

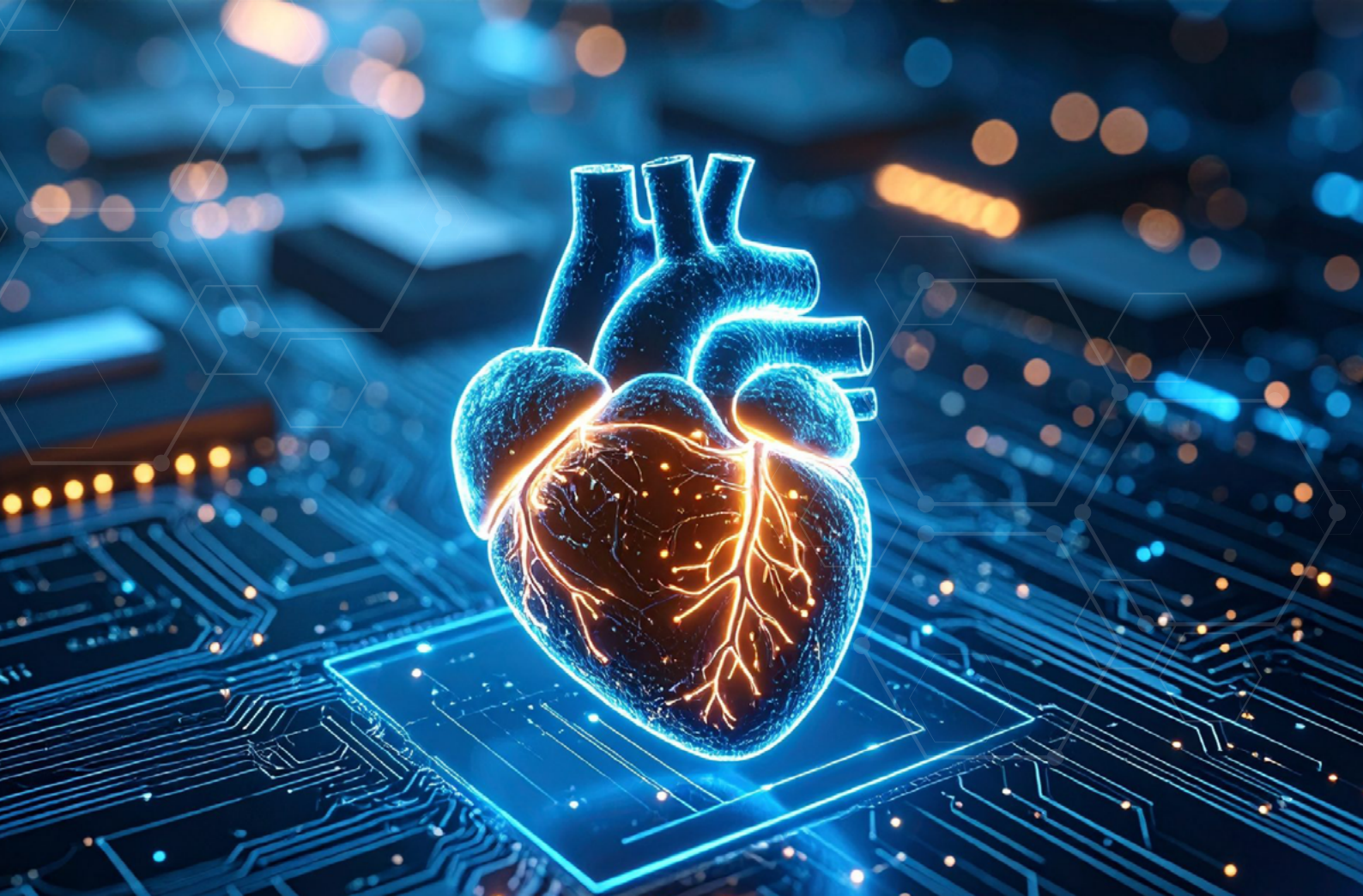


# **Rapid and Accurate Assessment of Patient Inflammatory Status at Point-of-Care**

**Discover the power of inflammalyze to enhance  
diagnosis and monitoring in clinical care.**

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# Clinical Applications of Inflammalyze

**Our multi-analyte device, requiring only a single drop of blood, simultaneously measures a panel of key inflammatory and bacterial markers, and provides results within 30 minutes, completely transforming the way we diagnose and monitor both acute and chronic inflammatory conditions.**

- Portable analyser with cheap, disposable cartridge-based technology.
- Customizable test panels for specific applications.
- Allows for simple repeated measurement for patient monitoring purposes.
- Easy interpretation; User friendly digital screen with analyte concentrations and gradings.
- Easy integration into clinical workflows.
- Overcomes the issues with lengthy remote laboratory testing.



# Inflammalyze for Sepsis Diagnosis

- Sepsis is a medical emergency.
- It is characterised by organ dysfunction due to a dysregulated inflammatory response to infection.
- It causes 11 million deaths per year globally.
- Rapid diagnosis is vital for improving outcomes.
- Current diagnosis requires laboratory confirmation of infection and inflammation – a lengthy testing process, that prevents timely treatment.
- For every hour that sepsis goes unrecognised, the risk of death increases by >8%.

## How Can Inflammalyze Help?

- Inflammalyze detects inflammation and bacterial markers simultaneously at the bedside, providing a rapid diagnosis of sepsis.
- Antibiotics can be confidently administered within the 'golden hour', as per NICE guidelines.
- Repeated testing using this cheap technology allows for antibiotic de-escalation when appropriate.
- Collectively, antibiotic stewardship is greatly improved.







# Inflammalyze for Critical Care

- Novel anti-inflammatory therapies, particularly monoclonal antibodies, are gaining traction in the management of many critical conditions.
- There is currently no way of directly monitoring the immunological response to therapy and hence escalating or de-escalating treatment.
- Access to real-time inflammatory biomarker monitoring is becoming a necessity on the Intensive Care Unit.
- With Inflammalyze, clinicians working in emergency and critical care settings can reliably factor-in accurate inflammatory test results to their clinical decision making.

## How Can Inflammalyze Help?

Inflammalyze has clinical utility in a wide range of conditions in which an inflammatory storm is a key feature, including;

- Respiratory failures,
- Cardiovascular emergencies,
- Post-surgical and trauma care,
- Abdominal emergencies,
- Autoimmune & hematological disorders.

Inflammalyze supports precision medicine in clinical care, improving outcomes and optimising resource utilisation.



# Inflammalyze for assessment of suitability of the potential organ donor

- The majority of organs used for transplant are donated by deceased organ donors.
- The natural process of death causes a state of acute inflammation.
- This can damage organs in a potential deceased organ donor, leading to less favourable transplant outcomes in organ recipients.
- Current clinical approaches for assessing organ quality are imperfect, so many organs are discarded out of caution; >28,000 organs are discarded annually in the USA.
- Currently, there is no way to assess inflammation status of donors during the donor management period.

## How Can Inflammalyze Help?

- Inflammalyze is the first-of-its kind technology for measuring key inflammatory mediators in deceased donors during the donor management period.
- The Inflammalyze test panel for organ donation measures analytes known to be associated with less favourable outcomes in transplant recipients.
- Assessment of donor inflammatory status gives an accurate indication of donor organ quality.
- Integrating Inflammalyze into clinical workflows can reduce organ discard rates and improve transplant success rates.







## Contact us

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