

# Symphony™

## BIOMARKER DETECTION PLATFORM

### Diagnosing Sepsis in Minutes

Introducing *Symphony IL-6*, a rapid point of care diagnostics platform that helps facilitate the diagnosis of Sepsis in minutes. This device employs microfluidics, nanotechnology and controlled motion sensing using whole blood.

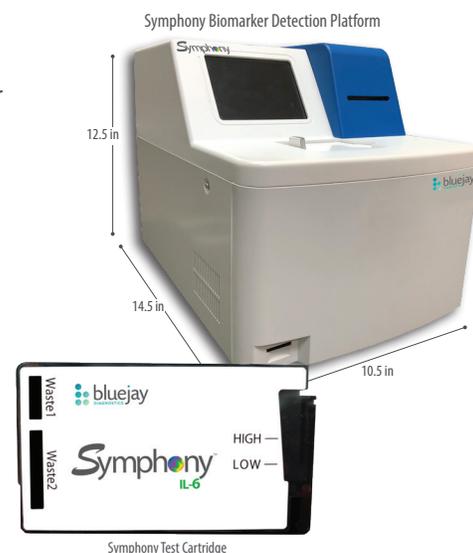
Sepsis is a life threatening condition that is challenging to diagnose early in the emergency department and during chemotherapy. In recent years, researchers have found that Interleukin-6 (IL-6) in the blood is a promising biomarker<sup>2</sup> for early detection of Sepsis. IL-6 levels can rise before other clinical symptoms begin to show<sup>2</sup>. But even at these elevated levels, the concentration of this protein in the blood is still too low for traditional assay devices to detect quickly.

Bluejay's novel point-of care device designed to detect IL-6 at picogram level using only 100 microliters of whole blood, could dramatically accelerate the process of diagnosing sepsis. This test could be used close to care to rapidly diagnose sepsis in 20 minutes.

#### Features and Benefits

- No preprocessing makes this platform easy to use and easily integrated with current workflows.
- Simultaneous detection of up to six samples, including the same biomarker in different samples or different biomarkers in a single sample.
- Allows physicians to take immediate actions in case of emergency, trauma, sepsis, organ failures due to chemo- and radio therapy and other life-threatening diseases that wasn't possible before.
- Results in 20 minutes or less.
- Requires only 100 µl of whole blood.
- Sensitivity: 1.6 pg/ml
- Unit of measurement: Quantitative in pg/ml
- Compact, lightweight instrument easily fits into existing workspace

To learn more about the Symphony biomarker detection platform call Bluejay at +1 978 631 4884 or e-mail [Contact@BluejayDX.com](mailto:Contact@BluejayDX.com)



#### References:

1. Allen, D. (2019, November 6). Diagnosing Sepsis in Minutes. Retrieved from <https://www.mddionline.com/diagnosing-sepsis-minutes>.
2. Matheson, R., & MIT News Office. (2019, July 23). Microfluidics device helps diagnose sepsis in minutes. Retrieved from <http://news.mit.edu/2019/biosensor-diagnose-sepsis-minutes-0723>.