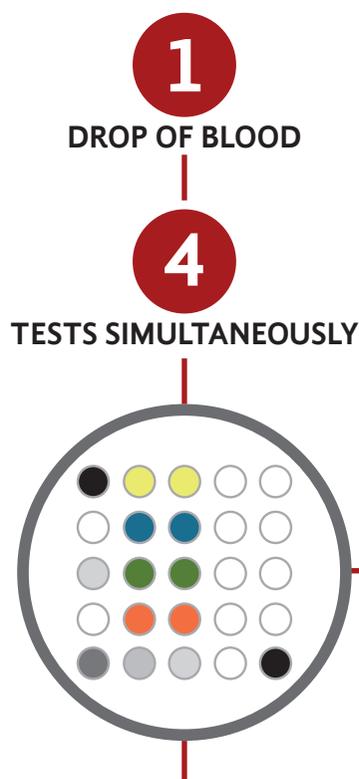


## Multiplex screening for multiple inflammation markers



*C-Reactive Protein (CRP)*

*Procalcitonin (PCT)*

*Interferon  $\gamma$ -inducible protein (IP10)*

*Serum Amyloid A (SAA)*

SPOT	TEST	CLINICAL SIGNIFICANCE
	CRP	Elevated levels of CRP are indicative of inflammation due to infection or a variety of chronic diseases. It has been used as an aid in the diagnosis of a serious bacterial infection based on clinical symptoms such as fever, chills, and rapid breathing and heart rate.
	PCT	PCT levels rise during severe systemic inflammation, particularly due to bacterial causes. This makes it a more specific marker for severe infections compared to most other inflammatory markers.
	IP10	Measurement of IP 10 levels in conjunction with well established markers of bacterial infection such as CRP may assist to differentiate between viral and bacterial infection.
	SAA	The level of SAA increases significantly in response to tissue injury and inflammation. Reports have suggested that SAA is more sensitive than CRP in detection of weak inflammatory signals such as those from viral infections.

Sepsis is a potentially life-threatening complication of an infection and is equally prevalent in resource-poor areas as well as in the developed world. Sepsis has a relatively high mortality rate and immediate treatment is required, necessitating quick, early and accurate diagnosis. Inflammation is one of the key indicators of sepsis, and this multiplex test may be an useful aid in early diagnosis of sepsis.

1 SIMPLE



2 AFFORDABLE

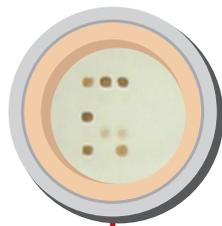


3 ACCURATE

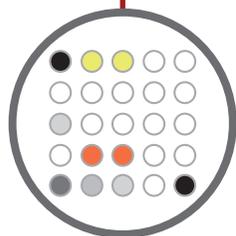


## Multiplex screening for multiple inflammation markers

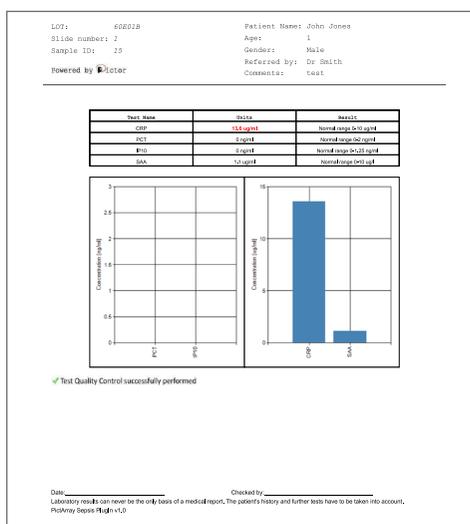
Image shows profile of inflammation markers from a single patient sample



Inflammation Profile



Simple tabular and graphical display of test results



### Benefits

Simple to perform with minimum technical training

Single test can provide levels of four inflammatory markers

Miniaturized and parallel testing reduces labor and cost

Could aid in early detection of sepsis

1 SIMPLE



2 AFFORDABLE



3 ACCURATE

