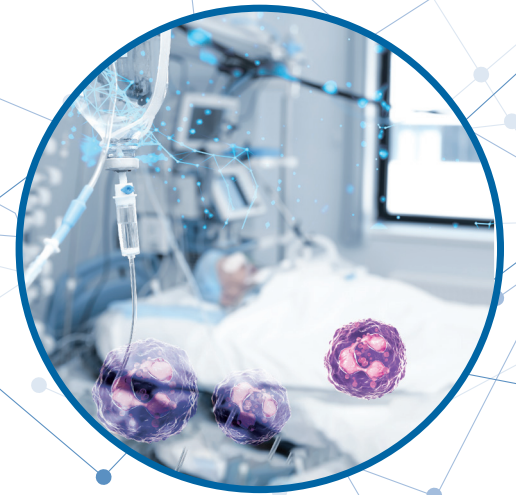


# Calprotectin

An early biomarker for the diagnosis of bacterial infections and sepsis [1,2]

## The value of calprotectin in infection

- Differentiates between bacterial and viral infections [3,4]
- Predicts serious events in critically ill patients [2,5]
- Superior to traditional biomarkers for prediction of severe events in clinical sepsis [5]
- Calprotectin levels can indicate current and future severity in COVID-19 patients [6,7]



## Prediction of severe events

Calprotectin has shown to be a useful biomarker for prediction of early severe events in sepsis. A recent study has shown that the level of plasma calprotectin is significantly higher in sepsis patients who subsequently developed severe events. This study also indicates that plasma calprotectin performs better than traditional biomarkers such as Procalcitonin (PCT), neutrophil-lymphocyte-ratio and C-reactive protein (CRP) for prediction of severe events in patients with sepsis [5]. Recent studies have shown that calprotectin levels strongly implicate neutrophils as active perpetrators of inflammation and respiratory compromise in COVID-19 [6,7], which support calprotectin use in early prediction of severe events in infections.

## Other calprotectin advantages

- Helps to identify which patients need antibiotic treatment [2,3]
- Differentiates between sepsis and trauma [8]
- Can be used in patients with liver disease and pediatric population [9-11]
- Can be used in patients treated with IL-6 inhibitors and TNF [12-13]

## Gentian Calprotectin (GCAL®) Immunoassay - early access to accurate results

GCAL® has potential applications for early detection and monitoring of sepsis and other severe bacterial and viral infections, for example COVID-19, where it is critical to get access to the results as soon as possible. Since GCAL® is a Particle-Enhanced Turbidimetric Immunoassay (PETIA), the assay is rapidly performed in only 10 minutes. The immunoassay is CE-marked and for RUO in the US.

## WE INNOVATE DIAGNOSTIC EFFICIENCY

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