

Biocartis Announces Presentation of Three Idylla™ Studies at 32nd European Congress of Clinical Microbiology & Infectious Diseases (ECCMID)

Mechelen, Belgium, 25 April 2022 – Biocartis Group NV (the 'Company' or 'Biocartis'), an innovative molecular diagnostics company (Euronext Brussels: BCART), today announces that three Idylla™ study posters, of which two on the [SeptiCyte® RAPID](#) (developed in collaboration with Immunexpress) and one on the [Idylla™ SARS-CoV-2 Test](#) (CE-IVD) and [Idylla™ SARS-CoV-2/Flu/RSV Panel](#) (CE-IVD), were presented at the 32nd European Congress of Clinical Microbiology & Infectious Diseases ([ECCMID](#)) between 23 – 26 April in Lisbon, Portugal.

Herman Verrelst, Chief Executive Officer of Biocartis, commented: *"We are pleased to see three study presentations on Idylla™ tests during this annual conference of Europe's leading society in clinical microbiology and infectious diseases. The studies underline once more that the strength of Idylla™ tests lies in the combination of both fast and accurate results, enabling rapid clinical decision-making. Especially in the case of sepsis, this can save lives. Finally, these studies show how Idylla™ testing can be easily integrated within the routine diagnostic process of hospitals."*

The first study¹ (abstract #04729) was presented in a poster session and evaluated whether [SeptiCyte® RAPID](#) could be used as a triage tool for COVID-19 patients at a hospital² in France. Results demonstrated SeptiCyte® RAPID's ability to distinguish between COVID-19 patients showing higher extents of lung damage as defined by lung CT scans (critical and severe) from those with a milder presentation (mild, moderate, absent). The SeptiScore®, as evaluated by SeptiCyte® RAPID, of critical and severe patients in the ICU was higher relative to the moderate and mild cases not in ICU. Also, the utility of the SeptiScore® for longitudinal monitoring of patients with severe cases was suggested by repeat testing on selected patients.

Rollie Carlson, Ph.D., Chief Executive Officer of Immunexpress, added: *"During the COVID-19 pandemic, sepsis incidence increased. This study shows that the SeptiCyte® RAPID on the Idylla™ platform can distinguish COVID-19 cases with severe or critical presentation on a CT scan from those with mild or moderate presentation. This is essential to identify and triage patients in need of timely sepsis specific medical care."*

The second study³ (abstract #04693) was presented in an online poster session and evaluated the performance of SeptiCyte® RAPID as an everyday tool in the management of ICU patients at two clinical sites in Portugal⁴. Results demonstrated a significant correlation between the diagnosis of sepsis and an elevated SeptiScore®. From eight patients diagnosed with either septic shock or sepsis, six had elevated scores and two had intermediate-elevated scores. The study concluded that the SeptiCyte® score pinpointed all cases while also suggesting the diagnosis of patients of whom sepsis was not detected by most traditional methods, found to be severely lacking in this setting⁵.

Severe COVID-19 can be considered an example of viral sepsis. Sepsis is a life-threatening medical emergency associated with high morbidity and mortality, making early sepsis detection of utmost importance. Today's gold standard for detecting sepsis in the laboratory setting is microbiological culture identification. However, the prediction of positive blood culture results remains a very difficult task since positive blood culture results in approx. only 20% of the cases⁶ due to low sensitivity. Also, it can take days to report results. Studies such as the ones presented at ECCMID show that newer methods such as the SeptiCyte® RAPID, running on Biocartis' Idylla™ platform, combine fast and accurate results, enabling rapid clinical decision-making.

Finally, the third study⁷ (abstract #04963), presented in a poster session, highlighted the performance data of the Idylla™ SARS-CoV-2 Test (CE-IVD) and the Idylla™ SARS-CoV-2/Flu/RSV Panel (CE-IVD) and concluded that both Idylla™ assays provide quick, accurate results with minimal hands-on-time, making them suitable for an NHS (National Health Service, UK) setting.

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1 Victor Gravrand et al., 'SeptiCyte® RAPID in COVID-19 severity stratification and triage', first published online during ECCMID, 23-26 April 2022, Lisbon (Portugal). The study was supported by the Biomedical Advanced Research and Development Authority (BARDA)

2 94 COVID-19 positive patients were evaluated at Hospital Foch, Paris (France)

3 João Antunes et al., 'Using SeptiCyte RAPID as an everyday tool in ICU patient care management', first published online during ECCMID, 23-26 April 2022, Lisbon (Portugal)

4 The study enrolled 25 adults, 17 of whom were post-surgery and 8 of whom were COVID-19 positive. Using standard microbiological culture, presumptively causative pathogens were identified in 48.6% of cases

5 Due to the design of the study and small sample cohort, further studies will be needed to finetune the positioning of SeptiCyte® RAPID

6 Previsdomini M, Gini M, Cerutti B, Dolina M, Perren A. Predictors of positive blood cultures in critically ill patients: a retrospective evaluation. *Croat Med J.* 2012;53(1):30-39. doi:10.3325/cmj.2012.53.30

7 Brookes et al., Comparative study assessing the utility of a rapid based COVID-19 assay for use in a clinical diagnostic laboratory, first published online during ECCMID, 23-26 April 2022, Lisbon (Portugal). The aim was to compare the Idylla™ SARS-CoV-2 Test and the Idylla™ SARS-CoV-2/Flu/RSV Panel against the Genesis SARS-CoV-2 batch assay. The secondary aim was to assess suitability in an NHS setting

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About Biocartis

Biocartis (Euronext Brussels: BCART) is an innovative molecular diagnostics (MDx) company providing next generation diagnostic solutions aimed at improving clinical practice for the benefit of patients, clinicians, payers and industry. Biocartis' proprietary MDx Idylla™ platform is a fully automated sample-to-result, real-time PCR (Polymerase Chain Reaction) system that offers accurate, highly reliable molecular information from virtually any biological sample in virtually any setting. Biocartis is developing and marketing a continuously expanding test menu addressing key unmet clinical needs, with a focus in oncology, which represents the fastest growing segment of the MDx market worldwide. Today, Biocartis offers tests supporting melanoma, colorectal and lung cancer, as well as for COVID-19, flu, RSV and sepsis. More information: www.biocartis.com. Follow us on [Twitter](https://twitter.com/Biocartis_): @Biocartis_.

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