Siemens Healthineers Launches Atellica COAG 360 System
High-Volume Specialty Hemostasis Analyzer

- Unifies five methodologies, including high-sensitivity immunoassay and platelet aggregation testing, for the first time on one testing platform
- True continuous reagent and consumable loading and real-time monitoring extend walkaway time and provide uninterrupted sample measurement
- Automates determination of prothrombin fragment F1+2 with a fast assay turnaround time—four times faster than the current testing protocol

Today Siemens Healthineers announced the launch of the CE-marked Atellica COAG 360 System1, a fully automated high-volume coagulation analyzer designed to streamline and unify hemostasis testing.

The Atellica COAG 360 System1 is the first analyzer to unify five methodologies on one testing platform—clotting (optical and optomechanical), chromogenic, immunologic, high-sensitivity luminescence based immunoassay (LOCI) technology, and platelet aggregation testing.2 This unification enables laboratories to potentially replace up to three stand-alone systems with just one analyzer, saving space, simplifying inventory management, reducing maintenance—reducing the overall cost of ownership.

"The Atellica COAG 360 System is a game changer in hemostasis testing," said Franz Walt, President, Laboratory Diagnostics, Siemens Healthineers. "By combining five technologies in one platform—a first in hemostasis testing—the system reduces manual processes, labor, and costs, enabling labs to stay competitive. It also gives hemostasis professionals control and simplicity so they can focus on driving better business and clinical outcomes and spend less time managing operations."

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Reference number: PR2016110077HCEN
The system also provides intelligent reagent and consumable management—including true continuous loading and unloading, and real-time monitoring—extending walkaway time, providing uninterrupted sample measurement, and enabling faster availability of test results. PSI checks and advanced preanalytics detect underfilled or overfilled samples and accurately identify assay-specific hemolytic, icteric, and lipemic (HIL) interferences using nine pre-defined levels.

"The dedicated, automated module for the detection of HIL interferences improves consistency and reproducibility of results compared to a visual check of samples," said Dr. Doerges, Internist for Hematology and Hemostasis, Geesthacht, Germany. "This helps us to advance our preanalytical protocol and improve the quality of hemostasis test results."

By integrating high-sensitivity immunoassay using LOCI technology and platelet aggregation testing, Atellica COAG 360 System provides faster test results for all samples and increases insight into hemostatic disorders. Patented LOCI technology from Siemens Healthineers enables labs to test small volume samples with a high level of precision, while reducing the risk of interference. Additionally using LOCI technology, determination of F1+2 (a coagulation factor that aids in risk assessment of thrombosis and anticoagulant therapy monitoring) is automated with an assay turnaround time of less than 15 minutes—four times faster than the current testing protocol.

To support labs in need of fully automated multidisciplinary testing, the Atellica COAG 360 System connects with Aptio Automation. With a rapid throughput on samples requiring multiple specialty tests, the Atellica COAG 360 System complements the fast routine testing throughput of the Sysmex CS-5100 System.

The system is now available in Europe.

¹ Not available for sale in the U.S. Product availability varies by country.
² Siemens applications are under development.
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For further information on the Atellica COAG 360 System, please see
https://www.healthcare.siemens.com/hemostasis/systems/atellica-coag-360-system
For further information on Siemens Healthineers, please see www.healthcare.siemens.com.

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