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For the trade press

Siemens launches new high-volume coagulation analyzer in Canada

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Latest technology enables labs to achieve first-run accuracy

Siemens Healthcare Diagnostics has launched the Sysmex® CS-5100 System, a random access high-volume coagulation analyzer, in Canada.¹ The analyzer's preanalytical sample integrity technology enhances efficiency with automated preanalytical sample management. Preanalytical errors and unsuitable samples account for up to 70 per cent of mistakes in the lab.² For example, under-filling sample tubes may cause significant sample dilution and provide falsely prolonged clotting times.³ Also, hemolytic specimens are the leading cause of preanalytical variability and have been shown to negatively affect medical care.⁴ Leveraging PSI technology, the Sysmex CS-5100 system automates and standardizes sample management, detecting unsuitable samples prior to analysis. This technology enhances results reliability while improving efficiency by minimizing the need for manual sample inspections.

"With steadily increasing patient volumes coupled with growing demand to produce results quickly, hemostasis labs require a solution that allows them to effectively balance higher throughput without compromising clinical excellence," says Stefan Wolf, CEO, Hemostasis, Hematology and Specialty Business Unit, Siemens Healthcare Diagnostics. "To address these challenges we are pleased to offer our customers the Sysmex™ CS-5100 high-volume system which combines our unique preanalytical sample integrity checks (PSI™) to manage unsuitable samples, with efficient 'point in space' automation connectivity and middleware to enhance work-flow."

The Sysmex CS-5100 system also features third-generation cap-piercing technology, which contributes to reduced sample processing time and maintains the analyzer's high throughput capability. Greater efficiency is also gained via a wide optical spectrum, which allows clotting, chromogenic, immunologic and agglutination testing capabilities on a single platform. Additionally, with onboard capacity of up to 3,000 tests⁵ and up to 40 reagents, the Sysmex CS-5100 system delivers extended walkway time to streamline workflow.

Further, in an effort to ensure results consistency and simplify the hemostasis testing process in multi-site labs, Sysmex CS-5100 system test results correlate with all other Siemens Sysmex CS and CA hemostasis systems. Plus, the CS-5100 system also uses the same reagents, controls, calibrators and consumables.⁶

The company plans to connect the Sysmex CS-5100 system to its automation and data management solutions to help labs further consolidate workflow.⁷ The introduction of this new coagulation analyzer is a demonstration of Siemens' efforts to grow its innovative capacity, which is a goal of Siemens Agenda 2013 program.⁸

For more information about the Sysmex CS 5100 system, please click [HERE](#).

¹ Disclaimer: The products/features (mentioned herein) are not commercially available in all countries. Due to regulatory reasons their future availability cannot be guaranteed. Please contact your local Siemens organization for further details. Not available for sale in the United States.

² Lippi G, Banfi G, Buttarello M, et al. Recommendations for detection and management of unsuitable samples in clinical laboratories. *Clin Chem Lab Med*. 2007;45(6):728-736.

³ Favalaro E, Lippi G, Adcock D. Preanalytical and postanalytical variables: the leading causes of diagnostic error in hemostasis? *Semin Thromb Hemost*. 2008;34:612-634.

⁴ Lippi G, Blanckaert N, Bonini P, et al. Haemolysis: an overview of the leading cause of unsuitable specimens in clinical laboratories. *Clin Chem Lab Med*. 2008;46(6):764-772.

⁵ Based on internal validation data from Sysmex Corporation.

⁶ Excludes Sysmex CA Systems consumables.

⁷ The product is still under development and not commercially available yet. Its future availability cannot be ensured.

⁸ Launched by Siemens Healthcare Sector in November 2011, Agenda 2013 program is a two-year global initiative to further strengthen the Healthcare Sector's innovative power and competitiveness. Specific measures will be implemented in four fields of action: Innovation, Competitiveness, Regional Footprint, and People Development.

About Siemens in Canada

For more than 100 years the innovative ideas from Siemens have helped make Canada a better place. From the Atlantic to Pacific oceans, more than 4,500 employees in Canada work together to provide answers that last in the fields of industry, energy, healthcare and infrastructure solutions for cities. Since it was federally chartered in 1912, Siemens has stood for technical achievements, innovation, quality and reliability. Sales for Siemens in Canada in fiscal 2012 (ended September 30), were \$2.1 billion CAD. The company has 53 offices and 14 manufacturing/assembly facilities across Canada.

About Siemens Healthcare

The Siemens Healthcare Sector is one of the world's largest suppliers to the healthcare industry and a trendsetter in medical imaging, laboratory diagnostics, medical information technology and hearing aids. Siemens offers its customers products and solutions for the entire range of patient care from a single source – from prevention and early detection to diagnosis, and on to treatment and aftercare. By optimizing clinical workflows for the most common diseases, Siemens also makes healthcare faster, better and more cost-effective. Siemens Healthcare employs some 51,000 employees worldwide and operates around the world. In fiscal year 2012 (to September 30), the Sector posted revenue of 13.6 billion euros and profit of 1.8 billion euros. For further information please visit:

www.siemens.com/healthcare.

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