

Pioneered true automation of blood cell counting with original technology developed in Japan

Registration No.	Number 00264		
Registration Date	September 10, 2019	Registration Category	Category 1

Name (Model, etc.)	Automated Hematology Analyzer CC-1001
Location	Kobe-shi, Hyogo
	Sysmex Corporation, Solution Center
Owner (Custodian)	Sysmex Corporation
Manufacturer (Company)	TOA MEDICAL ELECTRONICS CO., LTD. (now Sysmex Corporation)
Year Manufactured	1963
Year first appeared	1963
Reason For Selection	An automated blood cell counter that was a Japanese solution for automatic measurement to replace visual blood cell counting using a hemocytometer and a microscope, a method that had been in use for close to 100 years. Though a device using a different method had already been developed in the U.S.A., this company developed the world's first high-precision blood cell counter using its original technology of detecting minute changes in capacitance while injecting high frequency between electrodes during passage through a micropore. This heralded the beginning of true automation. The company did not stop at selling the devices. Founded on its philosophy "to provide accurate count results," it also issued a journal for users with research outcomes and user feedback, such as reagents required or measurement know-how, resulting in permeation nationwide. This device is valuable in having played a noteworthy role in the development of today's rapidly expanded arena of laboratory testing.
Registration Standard	1-A (Show an important aspect or stage of the development of science and technology.)

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Other useful information	