

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	<p>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.</p>		
Registration Standard	1-A (Show an important aspect or stage of the development of science and technology.)		

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Other useful information	
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