

Registration No.	Number 00072		
Registration Date	October 6, 2010	Registration Category	Category 2

Name (Model, etc.)	Keizo Uenaka's Laboratory Notebook on Adrenalin		
Location	Nishinomiya City, Hyogo Pref		
	Kyogyo-ji Temple		
Owner (Custodian)	Personal Library		
Manufacturer (Company)	Keizo Uenaka		
Year Manufactured	1900		
Reason For Selection	<p>In 1900, Jokichi Takamine and his assistant, Keizo Uenaka, were working on a very important medical research topic at that time—the isolation and purification of physiologically active substances from adrenal extracts. Their efforts led to the successful crystallization of a substance that they named “adrenalin.” This was the first time that a hormone was isolated and purified. This laboratory notebook was written by Keizo Uenaka, who did the actual experiments performed from July 20 to November 15, 1900. After Takamine’s death, a controversy arose regarding the priority of the purification process. In the US, adrenalin had been known and used in medicine as “epinephrine.” Because this experiment notebook proves that Takamine and Uenaka were the first to crystallize adrenalin, it is considered a very important historical item not only in Japan but also abroad. This notebook is currently stored at Kyogyoji Temple, Keizo Uenaka’s bodaiji in in Najio, Nishinomiya-shi.</p>		
Registration Standard	1 - B		

Open/Closed to Public	Closed to Public
-----------------------	------------------

Photo	
Other useful information	