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• 計畫中文名稱	鋰鹽參與免疫調解之機轉(I)	
• 計畫英文名稱	Mechanisms of Lithium in Immunomodulation (I)	
• 主管機關	行政院國家科學委員會	• 計畫編號 NSC91-2314-B038-021
• 執行機構	臺北醫學大學細胞及分子生物研究所	
• 本期期間	9108 ~ 9207	
• 報告頁數	4 頁	• 使用語言 英文
• 研究人員	呂思潔 Leu, Sy-Jye	
• 中文關鍵字	--	
• 英文關鍵字	--	
• 中文摘要	查無中文摘要	
• 英文摘要	<p>For the past year, the H₂O₂ induced apoptosis of Jacket and HL-60 cell line were investigated. HL-60 (1 x 10⁶ cells) were cultured in the 24-well plate for overnight. Quercetin (20, 30, 40, 50 mM; a gift from Dr. CY Chen from Taipei Medical University) were added to the culture plate for 12 hour. Quercetin is well known to induce apoptosis in HL-60 cell, therefore, we used as a positive control for the apoptosis assay. HL-60 treated cells were harvest, and DNA ladder were performed. Briefly, DNA lysis buffer were added to the tube and incubate the tubes for 56 .degree.C overnight, RNAase were added and phenol/chloroform were used for extraction DNA. DNA ladder were visualized by 2% agarose gel electrophoresis. However, the effect of H₂O₂ induced apoptosis in Jacket cell and HL-60 were not obvious, and the proposed anti-apoptosis effect of Li on these cell could not clearly seen. The various conditions on these cells are still under investigation.</p>	