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Author	萩原, 啓実(Hagiwara, Hiromi) 下仲, 基之(Shimonaka, Motoyuki) 森崎, 益雄(Morisaki, Masuo) 池川, 信夫(Ikekawa, Nobuo) 稲田, 裕二(Inada, Yuji)
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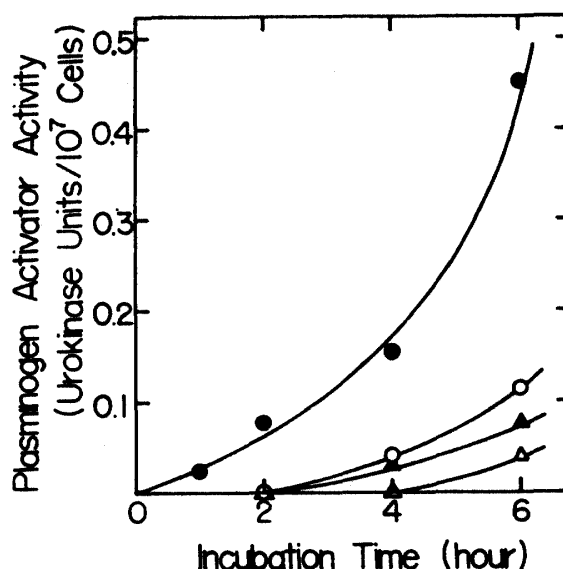
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Sitosterol-Stimulative Production of Plasminogen Activator in Cultured Endothelial Cells From Bovine Carotid Artery*

H. HAGIWARA**, M. SHIMONAKA**, M. MORISAKI**,
N. IKEKAWA** and Y. INADA**

萩原啓実**, 下仲基之**, 森崎益雄, 池川信夫**, 稲田裕二**

The endothelial cell is a rich source of plasminogen activator that is associated with fibrinolytic activity in blood vessel. Addition of sitosterol to the culture medium of endothelial cells from bovine carotid artery gave to a marked increment in the activity of plasminogen activator. Removal of sitosterol from the culture medium resulted in a decrease of plasminogen activator activity back to normal levels. Enhancement of plasminogen activator activity in cultured endothelial cells was not observed by cholesterol, 5-androsten-3 β -ol and others.



Enhancement of plasminogen activator activity in medium by sitosterol-treated cells. Endothelial cells were subcultured in the presence of 50 μ M each steroids.

Values are represented as means of values obtained from two different samples. Sitosterol-treated (—●—), untreated (—○—), cholesterol (—▲—), and 5-androsten-3 β -ol (—△—).

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** 東京工業大学理学部