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|------------------|---|
| Title            | Sitosterol-stimulative production of plasminogen activator in cultured endothelial cells from bovine carotid artery   |
| Sub Title        |   |
| Author           | 萩原, 啓実(Hagiwara, Hiromi)<br>下仲, 基之( Shimonaka, Motoyuki)<br>森崎, 益雄( Morisaki, Masuo)<br>池川, 信夫( Ikekawa, Nobuo)<br>稲田, 裕二( Inada, Yuji)   |
| Publisher        | 共立薬科大学  |
| Publication year | 1984  |
| Jtitle           | 共立薬科大学研究年報 (The annual report of the Kyoritsu College of Pharmacy). No.29 (1984. ) ,p.37- 37  |
| JaLC DOI         |   |
| Abstract         |   |
| Notes            | 抄録  |
| Genre            | Technical Report  |
| URL              | <a href="https://koara.lib.keio.ac.jp/xoonips/modules/xoonips/detail.php?koara_id=AN00062898-00000029-0037">https://koara.lib.keio.ac.jp/xoonips/modules/xoonips/detail.php?koara_id=AN00062898-00000029-0037</a> |

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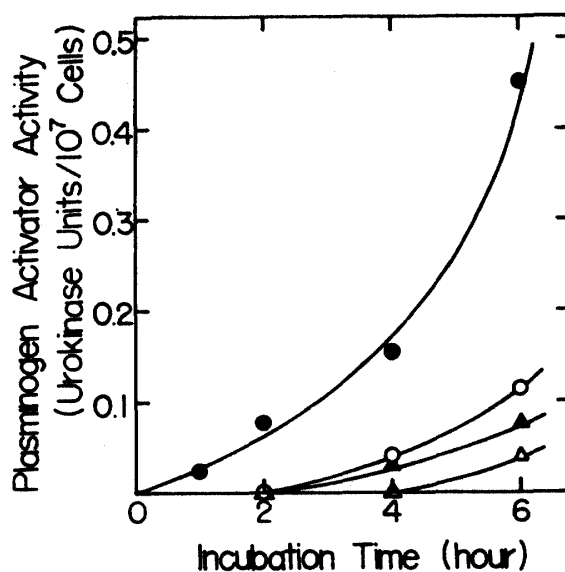
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## Sitosterol-Stimulative Production of Plasminogen Activator in Cultured Endothelial Cells From Bovine Carotid Artery\*

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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 $\beta$ -ol and others.



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

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

\* 本報告は *Thrombosis Res.*, 33, 363 (1984) に発表

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