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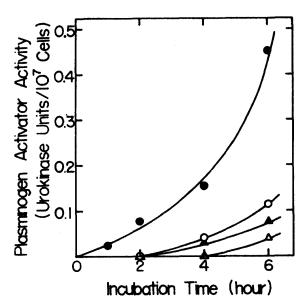
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## Sitosterol-Stimulative Production of Plasminogen Activator in Cultured Endothelial Cells From Bovine Carotid Artery\*

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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  $50\mu\rm M$  each steroids.

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

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