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***Bai Hu Tang, Si Ni Tang, and Xue Bi Tang amplify pro-inflammatory activities and reduce apoptosis in endothelial cells in a cell culture model of sepsis***

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## **Abstract**

### *Ethnopharmacological relevance:*

Sepsis is a systemic inflammatory response of the body to a severe infection or massive tissue injury. Despite intensive research, sepsis continues to have a high mortality rate and successful treatment options are strongly needed. Bai Hu Tang (BHT), Si Ni Tang (SNT), and Xue Bi Tang (XBT) are ancient traditional Chinese formulas derived from Chinese herbs that are used to treat Sepsis, but their mechanisms of activity are largely unknown.

### *Aim of the study:*

We aimed to examine dose-dependent effects of BHT, SNT, and XBT in a cell culture model of Sepsis, with special focus on endothelial cell apoptosis and the expression of monocyte chemoattractant protein-1 (MCP-1), interleukin (IL)6, IL8, the surface adhesion molecule

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