Studies on the Physico-Chemical and Biochemical Evaluation of Ginseng Spp., the Related Crude Drugs and the Ginseng Preparations

T. Namba
The Toyama Medical and Pharmaceutical University, Japan

The saponin patterns of Ginseng spp. and related crude drugs were investigated by quantitative thin-layer chromatography using equipped with a flame ionization detector (rod-TLC-FID) and a densitometer. Hemolytic and its protective activities of these saponins were also determined in

comparison with the saponin patterns. Then, we applied the Physico-chemical methods of evaluation to the constituents of saponin and essential oil in the Ginseng preparations. These physico-chemical and biochemical data are considered to be useful for the evaluation of these Ginsengs.