detection limit, quantification limit, linearity, and range must be validated. As an example, the development and validation of a quantitative method for the determination of hyperforin in herbal drugs, herbal drug preparations, and herbal medicinal products is mentioned (49). Hyperforin can be separated from any other component of the samples. The UV spectrum of the analyte is identical to that of the reference material. No matrix effect was found during recovery experiments.

Quantification is performed by scanning densitometry in the absorbance mode at 310 nm. The linear working range for the determination is 40–120 ng absolute. LOD was found to be 3.8

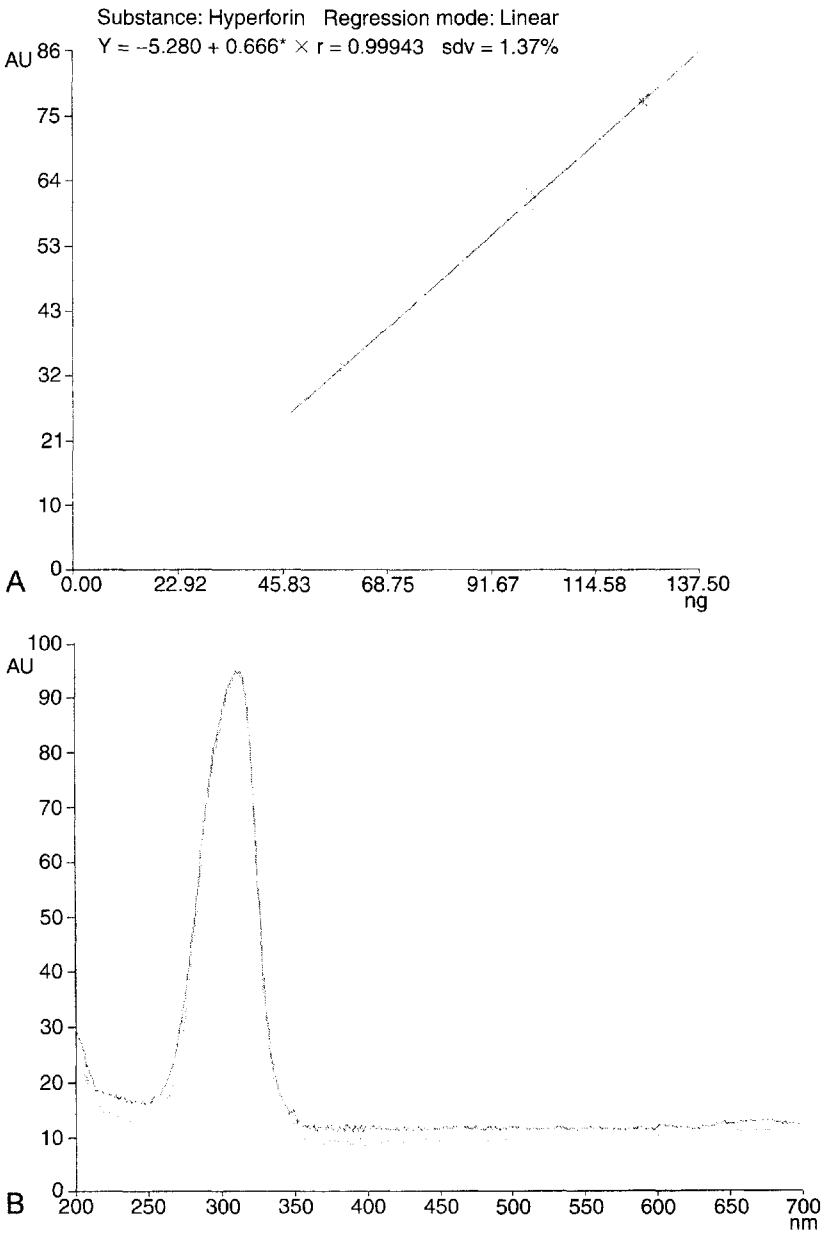

Figure 18 Quantification of hyperforin by HPTLC. (A) Calibration curve; (B) UV spectra of analyte (upper curve) and reference (lower curve).