

Pharmaceutical Sciences: Analytical Methods

Hideharu Shintani*

Chuo University, School of Science, 1-13-27, Kasuga Bunkyo 112-0003 Tokyo, Japan

Analytical methods used in pharmaceutical science must be sufficiently accurate, specific, sensitive, selective and precise to conform to the regulatory requirements as set out in the relevant guidelines of "The International Conference of Technical Requirements for the Registration of Pharmaceutical for Human Use" (ICH). It must recognize that the analysis conditions of pure sample and that of crude sample significantly differ. The analysis of the former is quite easy, but the latter conditions are quite tough and furthermore so often we must analysis sample in crude status, for example sample in blood or

body fluid. For example in case of HPLC analysis of crude samples, the pretreatment procedure requires significantly. Several methodologies for pretreatment such as solid phase extraction (SPE), Ultrafiltration, dialysis and so on are reported and commercially available. The editor compared these methods and one method is found to be recommendable. But this recommendation is restricted to hydrophilic compounds in body fluid, so if target differs, the result will differ. In that sense, readers themselves must validate which is most appropriate for your purpose.

***Corresponding author:** Hideharu Shintani, Chuo University, School of Science, 1-13-27, Kasuga Bunkyo 112-0003 Tokyo, Japan, Tel: +81425922336; E-mail: shintani@mail.hinocatv.ne.jp

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