

Quality Survey of Amoxicillin Oral Preparations in Taiwan Area

MEI-LING YEH, TZU-HUI WANG, MEI-LIE TSAI, FONG-LING HSU,
JIA-CHUAN HSU, SHU-HWA LIAN, YI-NING CHIOU, WEI-MING YANG,
YU-HSUAN CHEN AND CHIA- PO LIN

Drug Biology Division

ABSTRACT

The purpose of this study was to survey the quality of antibiotic drugs in Taiwan area to ensure the medication safety. Seventy-two amoxicillin oral preparations were sampled from hospitals, clinics, manufacturers and importers in different counties by local health authorities from January to July, 2007. Excluding the repeated lots, 70 samples, including amoxicillin capsules, amoxicillin tablets, and amoxicillin particles for suspension, were tested by analytical methods described in Ch. P. VI, USP 29 and the original manufacture analytical method to evaluate their qualities.

The results showed that 64 samples (91.4%) met the requirements of pharmacopeia and government regulations. Six amoxicillin samples failed to meet the dissolution test requirements, and the local health authorities were notified for penalty according to Pharmaceutical Affairs Act.

Key words: amoxicillin capsules, amoxicillin tablets, amoxicillin particles for suspension

